

UNIVERSITY OF DAR ES SALAAM

UNDERGRADUATE PROSPECTUS
2026/2027

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WELCOMING NOTE FROM THE VICE CHANCELLOR

We are delighted that you have decided to undertake your tertiary education at the University of Dar es Salaam. This Prospectus describes the range of courses and different activities conducted at the University which provide you with a flavour of life in our various campuses. The University of Dar es Salaam is a unique community of students and staff dedicated to bringing out the best in all its members. Our aim is to provide the best possible environment for teaching, learning, research and public services, and our track record of success is well known in East Africa, Africa and the rest of the world. We will continue to ensure that your years at this University are filled with excitement and experiences that you can treasure for a lifetime. We also recognise that the quality of student experiences derives from more than academic studies. That is why the University encourages students to join and actively participate in activities of the students' union and use various sports and recreational facilities available, e.g. swimming pool, cricket, athletics and soccer fields. The University of Dar es Salaam is also at the interface of national and international higher education innovations and initiatives.

The University has taken requisite steps to make sure that the information in this prospectus about course contents, structure, teaching facilities and staffing is accurate and up-to-date. Students are, however, warned that due to logistical limitations, the University cannot guarantee that all the elective courses featured in this prospectus will necessarily be offered during this academic year.

I hope that you will find this prospectus useful and interesting. Should you not find what you are looking for, please do not hesitate to contact the Directorate of Undergraduate Studies for further assistance.

Once again, I warmly welcome you to the University of Dar es Salaam and look forward to working with you towards the achievement of your academic ambitions.

Professor William-Andey Lazaro Anangisye
VICE CHANCELLOR
October 2026

GENERAL INFORMATION

The University of Dar es Salaam (UDSM) is the oldest and most popular public teaching and research University in Tanzania offering bachelor, master and doctoral degrees and professional development programmes leading to the award of certificates and diplomas. The University comprises the Mwalimu Julius K. Nyerere Mlimani Campus, which is the Main Campus located 13 kilometers West of the Dar es Salaam City Centre and consists of various academic and non-academic units including the College of Agricultural Sciences and Food Technology (CoAF), College of Humanities (CoHU), College of Information and Communication Technologies (CoICT), College of Engineering and Technology (CoET), College of Natural and Applied Sciences (CoNAS), and College of Social Sciences (CoSS). Others are the University of Dar es Salaam School of Education (SoEd), School of Journalism and Mass Communication (SJMC), University of Dar es Salaam School of Law (UDSoL), University of Dar es Salaam Business School (UDBS), School of Mines and Geosciences (SoMG), School of Aquatic Sciences and Fisheries Technology (SoAF), University of Dar es Salaam School of Economics (UDSE), University of Dar es Salaam Wilbert Chegula Library, Institute of Gender Studies (IGS), Institute of Kiswahili Studies (IKS), Institute of Resource Assessment (IRA), Institute of Development Studies (IDS), Confucius Institute at the University of Dar es Salaam (CI-UDSM), Centre for Virtual Learning (CVL), Centre for Population Studies and Research (CPSR), Centre for Climate Change Studies (CCCS), Centre for Forced Migration Studies (CFMS), Centre for Educational Research and Professional Development (CERPD) and Centre for Communication Studies (CCS). Other units at the Main Campus include the Quality Assurance Unit (QAU), Directorate of Innovation and Entrepreneurship (DIEN), University Computing Center (UCC), Dar es Salaam University Press (DUP), University Consultancy Bureau (UCB), Technology Development and Transfer Centre (TDTC), Bureau for Industrial Cooperation (BICO) and University Students Accommodation Bureau (USAB).

Other campuses are the Dar es Salaam University College of Education (DUCE) in Dar es Salaam, Mkwawa University College of Education (MUCE) in Iringa, Mbeya College of Health and Allied Sciences (MCHAS) in Mbeya, Institute of Marine Sciences (IMS) in Zanzibar, and the University of Dar es Salaam – Mineral Resourses Institute (UDSM-MRI) which has two campuses: Dodoma and Nzega.

A: STUDENTS' WELFARE

Office of the Dean of Students

The Department of Students' Welfare at the Mwalimu Nyerere Mlimani Campus is under the auspices of the Dean of Students who is responsible for provision of students' welfare services. These range from residence to students counselling and career guidance, students' governance, health and catering services. The University of Dar es Salaam – Mineral Resourse Institute (UDSM-MRI), the Institute of Marine of Sciences (IMS), Dar es Salaam University College of Education (DUCE), Mbeya College of Health and Allied Sciences (MCHAS), and Mkwawa University College of Education (MUCE) have their own departments of Students Administration headed by Dean of Students. The following are some of the students' welfare services:

i) University Students Accommodations Bureau (USAB)

The University offers a range of quality accommodation in the Halls of Residence on-campus and off-campus. This is handled by a semi-independent unit known as University Student Accommodation Bureau (USAB) whose offices are located near Hall V at the main campus. Thereare 7 Halls of residence, the COICT hostels, Dr. John Joseph Pombe Magufuli Hostels located on Campus and MCHAS hostels which are charged at the rate of TZS 800/= per day. Other accommodation facilities are, Mabibo Hostels located at Mabibo, 4 kilometres from the Mwalimu Julius K. Nyerere Mlimani Campus and Mazizini Hostels in Zanzibar which are charged at the rate of TZS500/= per day. Transport from the University to Mabibo Hostels is available 14 hours a day. Residential places for Mlimani Main Campus and DUCE students are also available at Kijitonyama and Ubungo Hostels. The University of Dar es Salaam

– Mineral Resourse Institute (UDSM-MRI), Dar es Salaam University College of Education (DUCE), Mbeya College of Health and Allied Sciences (MCHAS), the Institute of Marine Sciences (IMS) and Mkwawa University College of Education (MUCE) campuses have their own students' accommodation facilities.

ii) Students' Governance Unit

Students' Governance Unit deals with students' leadership under the auspices of Dar es Salaam Student Organization (DARUSO) and student associations. It is the responsibility of this unit to guide, counsel and coordinate the organizations' activities to ensure that they are fairly run with integrity and mutuality among students by taking into consideration gender balance. On the other hand, the unit plays the role of bridging the gap between students and UDSM management. It also supervises the implementation of Student By-Laws.

iii) Dar es Salaam University Students Organization (DARUSO)

DARUSO is the students' union which is responsible for organising students' activities and their governance which include academic, political, social, outreach and recreational activities. Current students organisations include the Dar es Salaam University Economic Association, Dar es Salaam University Marketing Association, Accounting Association of the University of Dar es Salaam, Geological Association of Students, University of Dar es Salaam Law Society, Dar es Salaam University Finance Association, International Relations Association, University of Dar es Salaam Education Students Association, International Students Association, Uganda Students Association in Tanzania, Dar es Salaam University Political Science Students Association (DUPSA), University of Dar es Salaam Industrial Engineering and Management StudentsOrganisation (UDIEMSO), Institution of Engineers Tanzania (IET), Chapter and Innovation Forum (IC), to mention only few.

iv) Health and Catering Unit

Health and Catering Unit supervises sanitation in all catering services and assists sick students in collaboration with the University Health Centre (UHC) to find medical treatment. In addition, this unit handles National Health Insurance Fund (NHIF) activities in collaboration with NHIF Office to make sure that all students get their NHIF cards to use whenever they fall sick. As for Catering Services, the University offers cafeteria services to students at subsidised rates. There are two cafeterias on the main campus which have the capacity to serve the present student population. Other food outlets available on the main campus are found at CoET, Mama Lishe, Hill Park, Yombo and UDASA Club.

v) Games and Sports

The University main campus has a range of sporting facilities. These include an internationalsize track field, a swimming pool, tennis courts, soccer pitches, netball and basketball courts,hockey and cricket fields. A well-equipped gymnasium, badminton and squash courts are also available. Students can therefore participate in athletics, swimming, lawn tennis, table tennis, soccer (football), basketball, netball, hockey, badminton, cricket, handball and boxing. The Tanzania University Sports Association (TUSA) to which DARUSO is affiliated organizes a variety of competitions within the country. Students also take part in the East, Central and Southern Africa Universities Sports Association (ECSAUSA) competitions, the Federation of African University Sports (FASU) competitions and the Federation of International University Sports (FISU) competitions.

B. COUNSELLING UNIT

The Counselling Unit is under the Directorate of Social Services which is under the Deputy Vice Chancellor Administration. This Unit provides integrated guidance and counselling services as well as support to students and staff of the University of Dar es Salaam in various areas such as:

i. Psycho-social concerns: e.g. sexual harassment, social abuse, discrimination, stigmatization, bullying, anger and stress management, anxiety and depression, retirement and retrenchment, marital issues, grief/loss, work and life balance, prevention, special needs, rehabilitation, conflict resolution, sexuality, relationships, and suicide.
ii. Academic concerns: e.g. academic underperformance, low productivity, absenteeism, professional misconduct and work related stress, career guidance and counselling.
iii. Health related concerns: e.g. diabetes, HIV/AIDS, cancer, high and low blood pressure and psychological disorders.
iv. Economic and Financial concerns; e.g. handling of finances, debt and other economic challenges.

Contact address:

Head of Counselling Unit,
University of Dar es Salaam,
P.O. Box 35091,
Dar es Salaam.
Tel: +255 736393936

C: MEDICAL SERVICES

The University of Dar es Salaam Hospital provides preventive, curative and restorative health services to students, staff and general public. The Hospital is located within the Mwalimu J. K. Nyerere Mlimani Campus. The University also runs dispensaries located at Mabibo students' hostels, Institute of Marine Sciences (Zanzibar), first AID services at Dr. John Joseph Pombe Magufuli hostel, School of Journalism and Mass Communication and College of Information and Communication Technologies.

The Hospital and its dispensaries are accredited to offer services to National Health Insurance Fund (NHIF) beneficiaries. All students are required to join NHIF by paying a specified amount of money by following specified procedures on ARIS3. Students who fulfill the above will be provided with NHIF membership, that will allow access treatment at the Hospital and other accredited health facilities countrywide. Students who fall sick during examinations are advised to report to their respective departments and the Hospital for treatment and further directives. If a student wants to postpone examinations or studies on medical ground, he/she must submit an authentic medical report from a recognized hospital.

HIV and AIDS continue to pose significant health challenges, particularly among individuals aged 15 to 49 years. Current data shows that over 40% of new HIV infections occur in young people aged 15 to 24. Preventive measures include abstinence, being faithful to one uninfected partner, limiting the number of sexual partners, and the consistent and correct use of condoms. The UDSM Hospital provides free HIV counselling, testing and treatment, ensuring strict confidentiality.

Each student is encouraged to register for the online Life Skills Course, namely Comprehensive Sexuality Education (CSE) offered free of charge through the UDSM website. This course equips students with knowledge and skills related to health issues and managing various challenges at university. The course consists of five modules:

(a) Adolescence and Sexuality,
(b) Sexual and Reproductive Health, HIV/AIDS and STIs,
(c) Relationships,
(d) Gender-Based Violence, and
(e) Resource Management.

Students may register for the CSE online course at https://www.udsm.ac.tz

Username:	Your Registration Number
Password:	Cvl@2023
Search for the course:	CSE 2021 (space between CSE and 2021)
Enter enrolment key:	CSE2021 (no space)

In case of an emergency please dial any of the following numbers for assistance: 0739260861 (Medical Officer in Charge), 0737830053 (Ambulance Services), 0737828559 (Emergency Section, University of Dar es Salaam Hospital).

D: DIRECTORATE OF LIBRARY SERVICES

The University Library is the heart of the University's academic and research endeavors that provides information services to support teaching, learning, research, and innovation. The library is operating in two librry buildings (i.e. Dr. Wibert Chagula and University Library (New) by both academic (20) and administrative staff (119) whereby the former are involved in teaching, research, consultancy services as well as managerial functions, and the latter are involved in the direct provision of library services. The Library is a national depository, which collects materials published in Tanzania and are housed in the East Africana Collection. These materials include books, journals, research reports, Government, and University publications. It also includes materials on the former East African Community, the Liberation Movement, and SADC publications.

The library has three managerial departments namely: Reader Services, Technical Services, and Research and Publication. Each department is headed by an academic member of staff who oversees the functions of the respective departments. The library has three subject-based collections namely; Arts and Social Sciences, Law and Science and Engineering. Along these, the library houses other collections including Reference and Document Delivery and East Africana. These collections provide specialized services to users undertaking research and courses in various subject areas. These collections consist of books, journals, and other materials in the respective subject areas, both in print and electronic information services. Currently, the library has subscribed to eleven (11) databases: (https://www.udsm.ac.tz/web/index.php/institutes/library/subscribed-e-resources) and provides access to forty-nine (49) free access scholarly databases (https://sites.google.com/site/udsmvirtuallibrary/), and seven (7) e-theses and dissertations databases: (https://www.udsm.ac.tz/web/index.php/institutes/library/e-theses-and-dissertations).

These resources are accessible on-campus using the University Internet and off-campus to illegible members of the University academic community.

The library has the ICT section which is managed by systems administrators who oversee the smooth running of the ICT network and equipment. In addition, the Library has a training wing known as Information Studies Programme that offers Bachelor's, Master's and PhD degree programmes in Library and Information Studies as well as Records and Archives Management. Besides these, the library provides reading space to 2500 students, staff, and other external users at a time.

Library Opening Hours:

DURING SEMESTER TIME			
DAYS	**DAY TIME**	**BREAK**	**NIGHT**
Monday - Saturday	8:00 - 18:30 Hours	1 Hour	19:30 - 22:30 Hours
Sunday	14:00 - 18:30 Hours	1 Hour	19:30 - 22:30 Hours
Public Holidays	8:00 - 18:30 Hours	1 Hour	19:30 - 22:30 Hours
DURING VACATION			
Monday - Friday	8:00 - 17:00 Hours	Closed	
Saturday	8:00 - 15:30 Hours	Closed	
Sunday & Public Holidays	Closed	Closed	

For more information about the library services, resources and programmes visit our library web page through https://www.udsm.ac.tz/web/index.php/institutes/library.

E: INNOVATION, ENTREPRENEURSHIP AND OUTREACH

The University of Dar es Salaam offers innovation, creativity and entrepreneurship training and skills development through the Directorate of Innovation and Entrepreneurship (DIEN) and other relevant units that are based in the Colleges, Schools and Institutes. The mission of the Directorate is to promote development of knowledge, skills and technologies that are geared towards solving societal problems through innovations. Our aim is to produce graduates who are job creators rather than job seekers. Students are urged to get involved in the activities of this Directorate.

F: TRANSPORT SERVICES

Transport services for students are available at a reasonable price. Students residing at Mabibo Hostels are served by shuttle busses available daily. The services run from 06.00 hrs to around 22.00 hrs during the semester and from 06.00 to 20.00 hrs during vacations. Commuter buses (Daladala) from Mwenge via the University to Ubungo or Changanyikeni are also available.

G: WORSHIP AND SPIRITUAL COUNSELING SERVICES

Students and staff have complete freedom of worship based on their spiritual beliefs, within the limitations of the laws of the country and Student By-Laws. At present, facilities are available for Christians and Muslims.

H: SECURITY AND SAFETY MANAGEMENT SYSTEMS

The University of Dar es Salaam Security and Safety Management Systems consist of the National Police Station, the University Auxiliary Police Unit and the Private Security Companies; which have security contract with the University Management. All students are cautioned to secure themselves and their colleagues by instilling in their minds the attitude of being always alert with security consciousness spirit and self-awareness against unpredicted crimes. Whenever Police assistance is needed, you are advised to report immediately by using the following telephone numbers:

Office	Contact Telephone Numbers
UDSM Auxiliary Police Station	+255 22 2410266
UDSM Police Station	+255 22 2410379

I: SHOPPING FACILITIES

Shopping services are available at Hill Park near the Police Station, 'Kariakoo' near USAB offices, Hall IV and Mlimani City Shopping Mall along Sam Nujoma Road about 3 kilometres from Mwalimu J. K. Nyerere Mlimani Campus and Mabibo Complex. Major Banks, Bureau de Change, Travel Agent and mobile telephone service providers are also located in the mall. Students admitted at MCHAS, UDSM-MRI and IMS may wish to consult the Office of the Dean of Students at their respective locations for assistance.

J: BOOKSHOP

The University has a Bookshop located at the Mwalimu J. K. Nyerere Mlimani Campus near Cafeteria 1 and 2. Students can also buy books from other bookshops available within their vicinity.

K: BANK SERVICES

UDSM staff and students can access bank services of major banks (CRDB, NBC and NMB) which have their branches at the Mwalimu J. K. Nyerere Mlimani Campus. ATM services are also available on campus. More banks and financial services, including Bureau de Change area vailable at the Mlimani Shopping Mall, which is situated on campus.

L: POSTAL SERVICES

There is a Post Office located at the Mwalimu J. K. Nyerere Mlimani Campus near Cafeteria 1 and 2. The office provides all postal services.

M: MUSEUMS

The University of Dar es Salaam museum trail consists of two beautiful museums and a botanical garden. The two Museums are located at the Heritage Building and the Zoology Museum located at the Science Complex. The botanical garden is a tranquil extension of the University Museum's Natural History. The Museum displays objects from our cultural and natural historic collections which are an invaluable and international infrastructure for research.

Museums Opening Hours:

The Museum at the Heritage Building	
During Semester Time and During Vacation	
Days	**Time**
Monday - Friday	9:00 - 16:00 Hours
Saturday, Sunday & Public Holidays Open upon Booking	10:00 - 14:00 Hours

N.B.: Please note there is entrance fee and that booking is required. For more enquiries, you can contact us via the following email: museum@udsm.ac.tz.

SENIOR OFFICERS OF THE UNIVERSITY

PRINCIPAL OFFICERS OF THE UNIVERSITY

CHANCELLOR
Dr. J. M. Kikwete, BA (Dar), LL.D. – Honoris Causa (Dar), LL.D. – Honoris Causa (St. Thomas – Minesota), L.H.D – Honoris Causa (Kenyatta – Nairobi), PhD – Honoris Causa (Faith – Instabul), Dr. P.H- Honoris Causa (MUHAS – Dar), Hon. Doctorate (UDOM – Dodoma), LL.D. – Honoris Causa. (Guelph – Ontario), LL.D. – Honoris Causa (Newcastle), D.Litt. – Honoris Causa (OUT – Dar)

VICE CHANCELLOR
Prof. W. A. L. Anangisye, BAEd, MAEd (Dar), PhD (Edinburgh)

DEPUTY VICE CHANCELLOR – ACADEMIC
Prof. R. A. Upor, BAEd, MA (Dar), PhD (Georgia)

DEPUTY VICE CHANCELLOR – PLANNING, FINANCE AND ADMINISTRATION
Prof. B. Killian, BA, MA (Dar), PhD (Los Angeles)

DEPUTY VICE CHANCELLOR – RESEARCH
Prof. N. M. K. Boniface, BSc, MSc (Dar), PhD (Kiel)

CHIEF CORPORATE COUNSEL AND SECRETARY TO COUNCIL
Dr. D. A. M. Shayo, LL.B. (Dar), LL.M (Konstanz), Dr. jur (Konstanz)

DIRECTOR, POSTGRADUATE STUDIES
Prof. K. F. Kilulya, BSc, MSc (Dar), PhD (Johannesburg)

DIRECTOR, UNDERGRADUATE STUDIES
Dr. J. J. E. Munissi, BSc, MSc, PhD (Dar)

DIRECTOR, RESEARCH AND PUBLICATION
Dr. M. A. Senga, BA, MA (Dar), PhD (Dublin)

DIRECTOR, PUBLIC SERVICES
Prof. N. G. Mori, BCom, MBA (Dar), PhD (Agder)

DIRECTOR, INNOVATION AND ENTREPRENEURSHIP
L. D. Kaale, BSc, MSc (Dar), PhD (Trondheim)

DIRECTOR, QUALITY ASSURANCE UNIT
Prof. D. D. Tibuhwa, BSc, MSc, PhD (Dar)

DIRECTOR, OFFICE OF THE VICE CHANCELLOR
Dr. R. Henry, BA, MA, PhD (Dar)

DIRECTOR, INTERNATIONALISATION, CONVOCATION AND ADVANCEMENT
Dr. A. C. Alexander, BScEng, MSc (Dar), PhD (Tshwane)

DIRECTOR, HUMAN RESOURCES MANAGEMENT AND ADMINISTRATION
Ms. H. T. Kinanga, BA, MPA (Mzumbe), MSSS (NDC)

DIRECTOR, FINANCE (BURSAR)
CPA. J. A. Silayo, ADA (IFM), MBA (Dar), CPA (T)

DIRECTOR, PLANNING, DEVELOPMENT AND INVESTMENT
Dr. O. Z. Kalovya, BCom, MBA (Dar), PhD (Beijing), ACCA (UK)

DIRECTOR, SOCIAL SERVICES
Dr. L. S. Mahai, Dip (Morogoro), BEd, MAEd (Dar), PhD (Edinburgh)

DIRECTOR, ESTATES SERVICES
Dr. D. S. Augustino, BSc (Dar), MSc (Linneaus), PhD (PAUSTI-JKUAT)

DIRECTOR, STUDENTS SERVICES
Ms. P. Mabuga, Dip (Kleruu), BAEd, MA (Dar)

DIRECTOR, INFORMATION AND COMMUNICATION TECHNOLOGY
Dr. S. H. Maro, BSc (Dar), MSc, PhD (Gothenburg)

PRINCIPALS OF CONSTITUENT COLLEGES
Dar es Salaam University College of Education (DUCE)
Prof. A. Lusekelo, BAEd, MA (Dar), PhD (Botswana)

Mkwawa University College of Education (MUCE)
Prof. M. S. Semiono BAEd, MA, PhD (Dar)

Mbeya College of Health and Allied Sciences (MCHAS)
Prof. P. S. Muganyizi, MD, MMED (Dar), PhD (Uppsala)

PRINCIPALS OF CAMPUS COLLEGES
College of Agricultural Sciences and Food Technology (CoAF)
Prof. M. L. K. Manoko, BSc (Dar), MSc (Addis Ababa), PhD (Nijmegen)

College of Engineering and Technology (CoET)
Dr. I. J. Macha, BScEng (Dar), MSc (Stockholm), PhD (Sydney)

College of Humanities (CoHU)
Dr. M. Y. M. Silkiluwasha, BAEd, MA (Dar), PhD (Illinois)

College of Social Sciences (CoSS)
Prof. C. N. Pallangyo, BA, MA (Dar), PhD (CapeTown)

College of Natural and Applied Sciences (CoNAS)
Prof. F. J. Magige, BSc, MSc (Dar), PhD (Trondheim)

College of Information and Communication Technologies (CoICT)
Prof. B. J. Maiseli, BSc, MSc (Dar), PhD (Harbin)

DEANS OF SCHOOLS
University of Dar es Salaam School of Economics (UDSE)
Prof. B. K. Mkenda, BA (Lusaka), MA & MPhil (Sussex), PhD (Gothenburg)

University of Dar es Salaam Business School (UDBS)
Prof. O. K. Mbura, BCom, MBA (Dar), MA (The Hague), Licentiate of Philosophy (Umea), PhD (Dar)

School of Education (SoED)
Dr. N. L. Mgonda, Dip (Korogwe), BEd, MA (Dar), PhD (Leipzig)

University of Dar es Salaam School of Law (UDSoL)
Dr. L. L. Mussa, LLB, LLM, PhD (Dar)

School of Journalism and Mass Communication (SJMC)
Dr. M. N. Mwakalinga, BA, MA (Dar), PhD (Kansas)

School of Acquatic Sciences and Fisheries Technology (SoAF)
Dr. B. R. Lugendo, BSc, MSc (Dar), PhD (Radboud)

School of Mines and Geosciences (SoMG)
Prof. E. E. Mshiu, BSc, MSc (Dar), PhD (Halle)

DIRECTORS OF INSTITUTES AND LIBRARY

Institute of Gender Studies (IGS)
Prof. S. E. Kisanga, Dip (Korogwe), BEd, MA (Dar), PhD (Nottingham Trent)

Institute of Development Studies (IDS)
Dr. C. Msoka, BA, MA (Dar), PhD (Minnesota)

Institute of Kiswahili Studies (IKS)
Prof. A. K. Mutembei, BAEd, MA (Dar), MA, PhD (Leiden)

Institute of Marine Sciences (IMS)
Dr. M. M. Mangora, BSc, MSc (Morogoro), PhD (Dar)

Institute of Resource Assessment (IRA)
Prof. J. N. Kirway, BSc (Dar), MSc (Dar), PhD (Yokohama)

Confucius Institute (CI) at UDSM
Dr. M. M. Hans, BEd Arts, MA, PhD (Dar)
Dr. X. Qian, BA (Hubei), MA, PhD (Zhejiang)

Directorate of Library Services
Prof. K. Mwantimwa, BAEd, MA (Dar), PhD (Antwerp)

University of Dar es Salaam Mineral Resources Institute (UDSM-MRI)
Eng. E. M. Kapira, BSc (ARU), MSc (Halstad)

DIRECTORS OF CENTRES

Centre for Virtual Learning (CVL)
Dr. F. S. Ikuja, BSc, MSc, PhD (Dar)

Centre for Communication Studies (CCS)
Dr. P. C. Mdukula, BAEd, MA, PhD (Dar)

Centre for Educational Research and Professional Development (CERPD)
Dr. R. M. Boniface, BEd, MEMA (Dar), PhD (Linnaeus)

Centre for Climate Change Studies (CCCS)
Dr. E. B. Mabhuye, BA, MSc, PhD (Dar)

Centre for Population Studies and Research (CPSR)
Prof. H. Hambati, BA, MA, PhD (Dar)

MANAGERS AND COORDINATORS OF CENTRES AND BUREAUS

University Consultancy Bureau (UCB)
Dr. H. Makundi, BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

Technology Development and Transfer Centre (TDTC)
Dr. E. E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)

Bureau for Industrial Co-operation (BICO)
Dr. A. Mwasilu, BScEng (Dar), PhD (Dongguk)

Centre for Disability Services
Dr. J. Mkongo, BEd, MAASP (Dar), PhD (Munich)

SENIOR STAFF LIST

OFFICE OF THE VICE CHANCELLOR

Internal Audit Office
Chief Internal Auditor
S. B. Kayanda, BCom, MBA (Dar), CPA (T)

Procurement Management Unit
Manager
J. K. Mwamwenda, ADPSM, CPSP (T)

Communication and Marketing Unit
Head and Senior Lecturer
Dr. D. P. Kuhenga, BA (Dar), MA (Rhodes), MA, PhD (Dar)

OFFICE OF THE DEPUTY VICE CHANCELLOR (ACADEMIC)
Directorate of Postgraduate Studies
Coordinator and Senior Lecturer
Dr. D. Koloseni, BSc, MSc (Dar), PhD (LUT, Finland)

Directorate of Undergraduate Studies
Coordinator and Senior Lecturer
Dr. G. D. Kikumi, BScEd, MSc (Dar), PhD (Arusha)

OFFICE OF THE DEPUTY VICE CHANCELLOR (PFA)
Manager, Information Management Unit (IMU)
Dr. C. Tarimo, BSc (Dar), PhD, MPhilCS (Stockholm)

Directorate of Social Services
Counseling Unit
Head and Senior Lecturer
Dr. B. G. Rushahu, BEd, MAEd (Dar), PhD (Oldenburg)

UDSM Hospital
Medical Officer-In-Charge and Principal Medical Officer I
A. J. Msasu, Dip. Health Systems Management (Galilee Institute), BMed, MSc (Dar)

Auxiliary Police Unit
Acting Auxiliary Police Commander
AP. SSP A. S. Msaghaa, Cert. Law, Dip. Law, LLB (Dar)

Direcorate of Students Services
University Students Accommodation Bureau (USAB)
Manager
Z. A. Swima, LLB, MBA (Dar)

OFFICE OF THE DEPUTY VICE CHANCELLOR (RESEARCH)
Intellectual Property Management Office (IPMO)
Manager and Lecturer
Dr. J. J. Iddy, Bcom (Dar), Msc Logistics (Molde), PhD (Agder)

Directorate of Research and Publication (DRP)
Research Grants Coordinator and Senior Lecturer
Dr. L. P. Binamungu, BSc (Dar), MSc (Hyderabad), PhD (Manchester)

Coordinator UDSM – Sida Programme
Dr. M. Wilson, BCom, MBA, PhD (Dar), CPA (T)

Dar es Salaam University Press (DUP)
Acting Manager and Senior Lecturer
Dr. C. Masanja, BCom, MIT, PhD (Dar), (CPA) (T)

Directorate of Public Services (DPS)
Continuing Education Centre
Head and Principal Administrative Officer II
L. B. Kisaka, BCom (Nairobi), PGD (Dar), IHRM (Cambridge), MBA (Dar)

University Consultancy Bureau
Manager and Senior Lecturer
Dr. H. R. Makundi, BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

Industrial Liaison Office
Head and Senior Lecturer
Dr. Eva I. Shayo, BSc, MSc, PhD (Dar)

Directorate of Innovation and Entrepreneurship (DIEN)
Entrepreneurship Coordinator and Senior Lecturer
Dr. W. Nguni, BCom (Dar), MITL (Molde), PhD (Dar)

Innovation Coordinator and Senior Lecturer
Dr. M. I. Mchome, BSc, MSc, PhD (Dar)

ADMINISTRATIVE STAFF LIST

OFFICE OF THE VICE CHANCELLOR

Council Secretariat
Principal Administrative Officer
G. E. Marandu, BA, MBA (Dar), PEHRO (TPSC)

Principal Legal Officer
Adv. P. E. Mselewa, LLB, LLM (Dar), PGDL (LST)

Senior Legal Officer
Adv. O. N. Rutashobya, LLB (Tumaini), LLM (Dar), PGDL (LST)

Legal Officer
Adv. M. A. Kamugisha LLB (Dar), PGDL (LST)

Assistant Accountant
E. Nkwabi, BA (Dar)

Principal Office Management Secretary
J. M. Mgaya, Certificate in Secretarial Studies (TPSC), Diploma in Secretarial Studies (Cambridge International College)

Principal Office Assistant
J. W. Lukuwi, Certificate in Records Management (TPSC)

Driver
W. J. Kafipa, Certificate in Basic Driving of Motor Vehicle, Certificate in Advance Drivers Grade II (VIP), Certificate if Forklift Operator and Certificate in Motor Driver Mechanics Level II

Audit Section
Internal Auditors
Y. Tumaini MBA-ITM, CPA(T)
B. Kaijage, ADA(IFM), MBA (Dar), CPA (T)
R. Tanganyika, ADA (CBE), CPA (T)
R. Nchenga, ADA (DIA), CPA(T)
S. Mwenda, BAF (Mzumbe), MBA PRM, CPA(T)
H. M. Likunama, ADA, PGD (Arusha), CPA (T) (MAF)
J. Kisani, ADA (Arusha), MSc (Mzumbe), CPA (T)
A. Munishi, BAF (Mzumbe), CPA (T) MBA (Finance)
S. E. S. Maingu, ADA(IFM), MBA (South Korea)
J. S. Farijala, BAAF (Moshi), CPA (T)
M. Katura, BA-IFM, CPA(T)
F. Azizi BA (Arusha)

Principal Office Management Secretary
S. Sindato, Dip. Secretarial Studies II (TPSC) (Dar)

Office Assistant
D. Luambano, (OS Library Assistant II) Bagamoyo

Driver II
R. Salumu, (PSV) (Mtwara)

Directorate of Internationalisation, Convocation and Advancement
Principal Administrative Officer / Convocation Liaison Officer
D. M. Stephen, BA, MBA, SPGDL (Dar)

Senior Administrative Officer / Internationalization Officer
D. S. Muya, LLB (Dom), MPA (Mzumbe)

Human Resource Officer
M. S. Mwaita, BA (Inst. Social Work)

Marketing Officer
Y. I. Massawe, BBA (Dar)

Marketing Officer
S. L. Kuzwa, BBA (MUST)

Public Relations Officer
E. J. Manyanga, BA, (TUDARCo)

Office Management Secretary
A. Y. Sarumbo, Dip, MDEA I (Dar)

Driver II
I. S. Munisi, NIT Grade II (Dar)

Quality Assurance Unit
Principal Planning Officer
Vacant

Administrative Officer
B. I. Shao, BA, MA (Mzumbe)

Senior Office Attendant
E. L. Kazoya, Certificate of Records Management (TPSC) (Dar)

Office Management Secretary
N. C. Mchome, Dipl (TPSC) (Dar)

Driver II
A. K. Joseph, Magu Driving School (Tabora), NIT Grade II (Dar)

Procurement Management Unit
Procurement/Supplies Officers
E. Kibua, ADPS (Dar), CPSP (T)
F. Makala, BBA, NBMM (Dar)
A. Kasambala, PSPTB – FT, DSA (Dar)
E. Edward, (NMMD), NBMM (Dar)
M. Nchimbi, CPSP, Atec II, NSC (Dar)
V. Makero, ADPS, NSKC (Dar)
J. Mwiguta, ADMM (Dar), CPSP

S. Hamidu, DPLM, BPLM, (Dar) CPSP (T)
P. E. Riziki, CPSP (T) , BSCP (Mwanza)
Y. I. Masoli, DPPSM, BPSM (Dar)
A. W. Missango, BPLM, MSc-PSCM (Dar), CPSP
E. J. Kashimba, MSc PSCM BPLM (Dar), CPSP (T)
G. N. Kaaya, MBA-CM) – MU, PSPTB, ADipl (IAA)
J. H. Killo, (CPSP) – PSPTB, BA (SAUT)
D. S. Maganiko, BPSM – CBE (Dodoma), CPSP (T)
R. C. Olomi, BPSM (Dar)
S. G. Mwasanguti, DPLM, BPLM, CPSP (T)
L. M. Khamis, CPSA (T), (CPSP) – PSPTB, BPLM (IAA) (Arusha)
S. M. Wemmao, BPS, DPS (Dar), BCPS (Dodoma)
Z. A. Mzee, DPLM, CPLM (Mbeya)
E. A. Urassa, (CPSP-T), PSPTB, BPSM (Moshi)
I. J. Mtanga, CPSP Professional III, FCPSM, PSPTB (Dar)
Y. A. Kingalu, PSPTB, FCPSM
L. S. Nimrod, BPSCM (Mwanza)
R. H. Chubwa, CPSP (PSPTB), BBAPLM (Morogoro)
F. N. Malekano, NSC, NMMD (Dar), NPSM (PSPTB)
C. S. Mpumpah, (CPSP) – PSPTB, BPSM, CLSCM (Mwanza)
D. A. Mkama, BPS, DRMA (TPSC) (Dar)
O. Q. Ndunguru, BPSM (Mocu), PSPTB, DPLM, CPLM (IAA)
A. C. Nzumi, CPSP, BPLM, DPLM (Mbeya)
A. C. Rashidi, PSPTB, BSCP (Mwanza)
A. C. Kilima, DPLM, BPLM, PSPTB (Dar)
K. J. Mhozya, BPLM – IAA (Arusha)
N. U. Maliwa, BPLM-TIA (Dar), PSPTB

Principal Office Managemnt Secretary II
E. I. Mpakama, Dip. Secretarial Services, MDEA I & II (TPSC) (Dar)

Senior Office Attendant II
F. J. Pondelo, 'O' Level Secondary Certificate (Tanga)

Records Management Assistant I
B. S. Ngonyani, DRMA (TPSC) (Dar)

Driver II
D. N. Ngwakule, ADV, VIP II (Mwanza)

Communication and Marketing Unit
Principal Office Management Secretary I
J. E. Mgimbe, TPSC (Dar)

Principal Office Assistant I
E. Y. Jerome, CSEE

Public Relations Officers
M. W. Machange, BA (Dar)
R. R. Sailo, BA (Dar)
E. M. Kisoli, BA (Dar)

Journalist
S. A. Nambimbi, BA (DarTU)

Marketing Officer
A. M. Mambele, BA (Dar), MSc. (Mzumbe)

Assistant ICT Officer
D. S. Boneka, Diploma (St. Joseph), BSc (Dodoma)

Librarian Assistant I/ Photographer
D. D. Kyamurusa, Diploma (SLADS-Bagamoyo), Bsc. (Mzumbe)

Driver I
A. J. Mhando, O' Level (Dar), Certificate (NIT), PSV (VETA), ADG II-VIP (NIT)

OFFICE OF THE DEPUTY VICE CHANCELLOR (ACADEMIC)
Directorate of Postgraduate Studies
Senior Administrative Officer I & Ag. Head - General Administration
J. M. Besha, BA (Dar)

Examination Office
Senior Administrative Officer II
G. C. Mgonda, BHRM (Mwanza)

Human Resource Officer I
W. W. Matoke, BASO (Dodoma)

Admission Office
Human Resource Officer I
D. D. Mtesigwa, BHRM (Kilimanjaro)

Human Resource Officer II
Q. I. Mwalukunga, BA (Dar)

Accounts Officer II
K. M. Laurent, B. Accountancy (Dar)

Office Management Secretary
H. T. Mbululo, BSSA (Dar)

Senior Office Management Secretary
J. O. Salakana, Dip (Dar)

Supplies Officer II
S. M. Wemmao, Cert (Dodoma), Dipl, BPS (Dar)

Records Management Assistant I
D. S. Shalali, Dip (Tabora)

Records Management Assistant II
M. M. Mosi, Dip (Dar)
E. B. Elias, Dip (Dar)

Driver
J. C. Daniel, Cert (Mwanza)

Directorate of Undergraduate Studies
Office of the Director
Office Management Secretary II
J. S. Kidyalla, Secretarial Upgrading Course (TPSC) (Dar)

Accountant
O. M. Sadiki, BA (Arusha), CPA (T) (Dar)

Senior Driver
W. Mhando, Cert. (Dar)

Driver II
O. A. Kiteve, Cert (Arusha)

Senior Office Assistant I
S. C. Ayo, CSEE

Admissions Section
Senior Administrative Officer I and Head
E. D. Chuwa, BA (Dar)

Human Resources Officers I
S. A. Sudi, BA, MA (Dar)
B. H. Malenda, Diploma (TPSC), BHRM (Dar)

Human Resources Officers II
G. D. Emmu, Diploma (TPSC), BHRM (Dar)
D. L. Mataro, Cert. Bachelor Human Resource Management ( )

Administrative Officer II
U. J. Mdemu, BA (Arusha)

Records Management Assistant I
S. M. Mohamedi, Diploma (TPSC) (Mtwara)

Records Management Assistant II
S. S. Gora, Diploma (TPSC) (Singida)
N. F. Mwinuka, Diploma (Morogoro)

Office Management Officer II
E. L. Njaila, Cert, Diploma, Bachelor of Secretary and Administration (TPSC) (Dar)

Senate, Examinations and Undergraduate Programmes Section
Principal Administrative Officer II and Head
M. Magezi, BA, MBA (Dar)

Principal Human Resources Officer II
M. U. Omary, BA (Dar), MA (Dar)

Human Resources Officer I
E. B. Kyebyala, BA, MA (Dar)

Administrative Officer I
O. P. Komeka, BA (Kilimanjaro)

Administrative Officer II
A. E. Kasoba, BA (Dar)

Principal Records Management Assistant II
B. I. Maduhu, Diploma (TPSC) (Dar)

Records Officer II
S. N. Remmy, Diploma, Bachelor (TPSC) (Dar)

Office Management Officer Secretary I
S. M. Hassan, Diploma (TPSC) (Dar)

Records Management Assistant II
A. R. Shomary, Diploma (TPSC) (Tanga)

Senior Office Assistant Attendants
R. L. Rupho, CSEE
E. W. Mwasyika, CSEE
P. T. Ngusa, CSEE

Information and Communication Technology Artisan II
D. V. Birika, CSEE, Cert. in Computer Science
A. J. Khamis, CSEE, Cert. in Computer Science
J. D. Lukobe, CSEE, Cert. in Computer Science
I. S. Kachuru, CSEE, Cert. in Computer Science
M. M. Kushaba, CSEE, Cert. in Computer Science
L. M. Mwambungu, CSEE, Cert. in Computer Science
P. H. Manamla, CSEE, Cert. in Computer Science
S. I. Ambali, CSEE, Cert. in Computer Science

Master Timetable Coordinator
M. Mkandawile, BSc (Kampala), MSc, PhD (Dar)

Assistant Master Timetable Officer
S. M. Pastory, BSc (Dar)

Student Financing Unit
Principal Human Resources Officer and Loan Officer
L. L. Mwakyusa, BA (Dar), MSc (Morogoro)

Administrative Officer II
A. Kapinga, BA (Dar)

Smart Card Unit
Information and Communication Technology Officer II and Head
J. Mwengele, BSc (Dar)
Information and Communication Technology Artisan II
D. V. Birika, CSEE, Cert. in Computer Science (Dar)

Student Databases
Information and Communication Technology Officer II and Head
H. S. Mohamed, BSc (Dar), MSc (Skovde)

Senior Information and Communication Technology Officer I
K. L. Samizi, BSc (Dar)

Information and Communication Technology Officer II
A. Solomon, BSc (Dar)

OFFICE OF THE DEPUTY VICE CHANCELLOR (PFA)
Directorate of Planning, Development and Investment

Administrative Officer
D. P. Kikoti, BA (Dar)

Senior Office Management Secretary

J. O. Salakana, Dip (Dar)

Principal Office Assistants
I. M. Mgeni, CSE, (Dar)
S. S. Hatibu, CSE (Dar)

Investment Section
Resource Mobilisation Manager
T. E. Busagara, Bcom, MA, PhD (Dar)

Ag. Head of Investment Section
G. N. Rugazia, BSc (Morogoro), MA (Alabama)

Planning and Development Section
Ag. Head of Section
M. E. Ndyamkama, BSc, MSc (Dar)

Planning Officers
L.E. Buswelu, BA (Dodoma)
R.R. Kimario, Bcom, MBA (Dar)
B.L. Luyombya, BA (Dar)
M.A. Mgaza, BA (Dodoma)
E.P. Mgawa, BA (Dar)
D.G. Makule, BSc (Dar)
M.A. Angelo

Accountant
M. B. Ramadhani, BCOM (Dodoma), CPA (Dar)

Transport Unit
Senior Transport Officer and Head of Unit
S. M. Lwiza, BA, MA (Dar)

Transport Officer
D. A. Abel, BLTM (Dar)

Insurance Section
Manager
H. M. Fintan, BBM (Bangalore, India), MIT, PhD (Dar)

Insurance Officer
K. G. Mang'enya, BSc (Dar)

Research Flats
Ag. Manager
J. C. Akhweso, BA, MA (Dar)

Environmental, Social and Governanance Focal Person
E. C. Akhweso, BCom, MBA, PhD (Dar)

Directorate of Information and Communication Technology
Principal System Administrator
D. L. Kawa, BSc, MSc (Dar)

Senior System Administrator
B. Rashid, BSc (Dar)

Dirctorate of Human Resources Management and Administration
Planning, Policy and Operations
Principal Administrative Officer and Head of Section
N. J. Mziray, BSc (Sokoine), MBA (Dar)

Senior Human Resource Officer
N. G. Mwangota, BA (Dar)

Human Capital Management Information Systems (HCMIS) Section
Human Resource Officer and Head of Section
R. S. Wilson, BCom (Dar), MPA (Mzumbe)

Recruitment and Appraisal Section
Senior Human Resource Officer and Head of Section - Administrative
F. F. Justinian, BA (Dar)

Human Resource Officer
M. S. Mbise, BA PA (Dodoma)

Administrative Officer
B. M. Godfrey, BA, PA (Mzumbe)

Senior Human Resource Officer and Head of Section - Academic
A. P. Chilemba, BA (Dar)

Administrative Officer
W. E. Ngonja, BA (Dodoma)

Administrative Officer
Y. M. Ngulo, BA HRPM (IRDP)

Administrative Officer
F. E. Laizer, MA, BA (Dar)

Finance Office, Compensation and Benefits Section

Head of Section
U. B. Payovela, ADA, (IAA), (CPA)(T)

Insurance Officer (Pensions Management)
M. O. Mwanyange, BSc, MSc, (IFM, Dar)

Staff Training and Development Section
Senior Human Resource Officer and Head of Section
J. M. Rwebangira, BA (Dar)

Human Resource Officer
R. M. Ndalifanye, BAHRM (ISW)

Labour Relations Section
Principal Administrative Officer and Head of Section
D. L. Njau, LLB, MBA, (Dar)

Human Resource Officer
J. G. Mongi, BAHRM (ISW)

Principal Information Communication Technology
A. M. Majaliwa, BSc (Kampala), MSc (Dar)

Office of the Director of Finance (Bursar)
Office Management Secretary I
P. I. Kaminambeo, Dip in Secretarial studies (TPSC) (Dar)

Records Management Assistant I
A. A. Kapungu, Dip in Records Management (TPSC) (Mbeya)

Records Management Assistant II
E. A. Mwaipopo, Dip in Records, Archives and Information Management (Dodoma)

Principal Office Assistant
R. M. Kigambo, O-Level (Dar)

Senior Office Assistants
P. F. Machaku, O-Level (Dar)
G. A. Mzenza, O-Level (Dar)

Salaries Section
Accountant and Head of Section
D. T. Kabulika, BCom, MBA (Dar), CPA (T)

Accounts Officers
G. B. Mchau, BA (Dar)
S. R. Makeha, BCom (Dodoma)
M. H. Paul, BCom (Dodoma)

Accounts Assistants
G. J. Moshi, Dip (TIA)
E. A. Mushi, Dip (TIA)

Revenue Section
Accountant and Head of Section
CPA. H. R. Mishoni, BAF (Morogoro), CPA (T)

Accountants
CPA. C. R. Nkwera, ADA (Arusha), Msc A&F (Mzumbe), CPA (T)
CPA. I. A. Msomvu, BAF (Morogoro), CPA (T)

Accounts Officers
H. Y. Masisi, ADA, BACC, MBA
A. O. Nyaki, PGDA (IAA), ATEC
M. S. Mwapili, PGDA (TIA)

Accounts Assistant
D. S. Goima, DA (TIA)

Expenditure Section
Principal Accountant and Head of Section
M. R. Mwanga, ADA (IAA), MBA (Dar), CPA (T)

Accountant
F. Sekkaya, BA (CBE), CPA (T)

Accounts Officers
Z. Y. Igohe:BAC (TIA),CPA(T)
G. S. Shoo, BAF-IT(RUCU)
J. Kamwelal, BAC (IFM)
M. Mmari, ADA (IFM)
S. R. Mbio, ADA (TIA)

Inspection Section
Accountant and Head of Section
Y. A. Sihembe, CA, ADA

Account Officers
B. S. Kasitu, ATEC II, BA, MBA.
J. J. Kidayi, CA, DA, BA
G. J. Lihuluku, DA, ADA

Accounts Assistant
F. A. Lyimo, ATEC II

Fixed Assets Management Section
Head of Section
CPA. M. J. Kigwande, BCom, MBA (Dar), CPA (T)

Assitsant Accountants
D. N. Gatahya, DBA, BBA, MBA

General Ledger Section
Head of Section
CPA. E. J. Bundala, ADA (IAA) CPA (T)

Account Officers
E. Kalokola BBA A &F (Sauti), Msc A&F (Mzumbe)
B. Msuya, BA (IFM)
C. B. Shirima BAT (MoCu)
V. Moshi ADA (CBE)

Accounts Assistants
T. Malumba, DA (TIA)

Debtors Control Section
Head of Section
CPA. O. M. Sadiki, BA (IAA), CPA (T)

Tax Compliance Section
Head of Section
CPA. M. P. Shantoma, Bcom (Dar), CPA (T)

Directorate of Estates Services
Coordinator
Z. Makanyinge, BSc (Dar)

Maintenance and Supervision Services
Unit Head
R. Madenge, BSc (Dar)

Housing Officer
S. M. Mgoha, BHRM (Dar)

Head, ElectroMechanical
Y. Kimila, FTC, Dip (DIT)

Head, Carpentry
G. Wille, BSc (DIT)

Head, Plumbing
B. Chibali, Trade Test (Dar)

Head, Masonry
W. Tungaraza, Trade Test (Dar)

Directorate of Social Services
Senior Administrative Officer
E. R. Mashayo, Sp. Cert. HRD (Delhi), Sp. Cert. Admin. Law, BA, MA (Dar), QLA (T)

Senior Accountant
S. M. Mwaliki, ATEC I & II, Dip. Accounting (CBE), BBA, PGDA (CBA), MBA (Dar)

Senior Office Management Secretary
N. E. Jambo, Dip. Secretarial Services, MDEA I, MDEA II (TPSC) (Dar)

Heads of Departments/Units
Counseling Unit
Head and Senior Lecturer
B. G. Rushahu, BEd, MAEd (Dar), PhD (Oldenburg)

Principal Social Welfare II
A. C. Mlowola, BASO, MASO (Dar)

Senior Social Welfare Officers II
A. Kamugisha, BA, MA (Dar)
A. E. Duma, BA (Dar)
M. S. Mtamike, BEd (GUCO) - Dodoma

Social Welfare Officers II
A. A. Kakombo, DISW, BA (Dar)
F. E. Lukindo, BA (Sociology) (Dar)
A. J. Hassani, BA (Sociology) (Dodoma)
F. V. Lite, BA (Sociology) (Dodoma)

Principal Office Management Secretary II
F. S. Maganga, Dip. Secretarial Services, (TPSC), MDEA II (TPSC) - Dar

Health Insurance (NHIF) Unit
Head and Principal Warden I
A. J. Mwambungu, Sp. Dip. Law, BAEd, MAEd (Dar), MSc (IAA), PhD (OUT)

UDSM Hospital
Medical Officer-In-Charge and Principal Medical Officer I
A. J. Msasu, Dip. Health Systems Management (Galilee Institute), BMed, MSc (Dar)

Principal Health Secretary I
L. P. Sozigwa, Adv. Dip. Health Admin., BA, MPA (Morogoro)

Health Secretary I
K. T. Omary, BA (Morogoro)

Principal Office Management Secretary II
F. R. Katanga**,** Dip. Secretarial Services, MDEA II (TPSC) (Dar)

Specialist Medical Officers
H. W. Mbulumi, MMed, MD (Ukraine)
M. M. Maboko, MMed (China), MD (Dar)
Z. M. Symphorianus, MMed, MD (Dar)
C. M. Kitemba, MMed, MD (Dar)
S. L. Sanga, MMed (China), MD (Dar)

G. S. Masuma, MMed, MSc (Dar)
S. G. Machui, MD (Mtwara)

Medical Officers
D. B. Kahangwa, MD (Dar)
A. G. Kingilo, MD (Dar)
C. M. Kamaghe, MD (Dar)
J. E. Lyimo, MD (Dar)
J. V. Mnyarungwe, MD (Moshi)
L. Kida, MD (Dodoma)

Sports and Game
Coordinator and Principal Games Coach
N. B. Kiunsi, Dip. International Coaching (TF-Hungary), Dip. Ed. (Monduli TTC), BEd, MAEd (Dar)

Senior Games Tutors
A. K. Kimaro, BEd, MEd (PESS) (Dar)
F. E. Sintau, BEd (PESS), MEd (PESS) (Dar)

Games Tutor
A. Adam, Bed (Dar)

Swimming Life Guard
H. O. Gurumo, Life Guard (TSCA), Swimming Coaching (TSCA)

Auxiliary Police Services
Commissioner of Police
A. B. Nsemwa, ndc, Cert. IL-SD (Georgia), Cert. Police (Oslo)

Acting Auxiliary Police Commander
AP. SSP A. S. Msaghaa, Cert. Law, Dip. Law, LLB (Dar)

Senior Auxiliary Police Officials
AP. ASP S. B. Munisy, CSEE, Cert. Law (Dar)
AP. INSP M. B. Matekele, CSEE (Mara), Cert. IT, Dip. IT, Cert. Law, BSc IT (Dar)
AP. INSP J. S. Lolila, CSEE, Cert. Law (Dar)
AP. INSP R. P. Kyeusi, CSEE, Cert. Law (Dar)
AP. INSP A. Mwasubira, PSLE (Mbeya)

Direcorate of Students Services
Coordinator, Students Development and Counselling Services
A. Hebron, BAEd, MA (Dar)

Coordinator, Students Governance and Judicatory Services Unit
J. R. Munissy, BAE, MAASP (Dar)

Cordinator, Students Health and Catering Services Unit
W. R. Mihayo, Dip (Mwanza)

Senior Office Management Secretary
A. K. Kilabula, Certificate (TPSC) (Dar)

Principal Administrative Officer 1
K. S. Mloba BA, PGD, MSCHRM (Dar)

Records Management Officer II
B. Mpina, BA

Senior Janitor
R. C. Makamba, BSc (Dar)

Principal Social Welfare Officer I
S. Mossi, BA, MA (Dar)

Principal Warden I
P. L. Mligo, Dip, BEd, MA (Dar)

Principal Warden I
G. L. Luambano, Dip (Iringa), BEd, MA (Dar)

Principal Janitor I
T. R. Kavishe, BA (Dar)

Senior Social Welfare Officer 1
T. J. Massawe, Dip, MSc (Dar)

Social Welfare Officer 11
F. M. Nyamda, BA (Dar)

Senior ICT officer
Ng`eno M. Kissambu, BTEC

Account Officer II
Kharid S Ruhulo, ADA, NBAA

Driver II
J. I. Chengelwa, Cert. (Dar)

University Students Accommodation Bureau (USAB)
USAB Manager
Z. A. Swima, LLB, MBA (Dar)

Deputy USAB Manager, Dr. John Pombe Joseph Magufuli Hostels
J. Kilawe, BA, MA (Dar)

Deputy USAB Manager, Mwl. J. K. Nyerere Campus Hostels
A. H. Kambagha, Dip (Marangu), BAEd, MA (Dar)

Deputy USAB Manager, Mabibo Hostels
A. R. Isingo, BEd, MAEd (Dar)

Senior Human Resource Officer - USAB
F. K. Nchimbi, BAPA (Dodoma)

Office Administrative Secretary
A. J. Marimbo, Dip (Tabora)

Mwl. J. K. Nyerere Campus Hostels
Hall I
Senior Warden II
A. E. Tunguhole, BAEd (Dar), PGDLMA(ISW), MSc (Morogoro)

Warden I
F. N. Mwahalende, BSc.Ed (Dar)

Hall II
Warden I
N. W. Mbaruku, BA, LLB (Dar)

Janitor II
J. J. Ndebea, Dip (Moshi)

Judge Julie Manning Hall
Principal Warden I
J. J. Nchimbi, BA, MA (Dar)

Senior Warden I
C. K. Charles, BAEd (Dar), MA (Morogoro)

Hall IV
C. I. Boshe, Cert, BAEd, MA-ASP (Dar)

Warden II
K. O. Chambati, BEd (ADEC) (Dodoma)

Senior Janitor II
S. P. Massae, Dip (Tanga)

Hall V
Warden I
J. E. Mkama, BED-PSY (Dodoma)

Warden I
R. H. Chambo, BAEd, MA (Dar)

Senior Janitor I
L.A. Baruti, Dip (Mpwapwa)

Hall VI
Senior Warden II
D. J. Mungure, Cert (Pwani), BAEd (Dodoma), MA (OUT)

Warden I
E. E. Mmbaga, Dip (Morogoro), BAEd (Moshi)

Hall VII
Janitor II

P. G. Masigati, Dip (Mtwara)

Warden II
J. S. Mlambo, BEd (OUT)

Ubungo Hostels
Warden II
B. N. Ndamugoba, BASO (Dodoma)

CoICT Hostels
Warden I
A. S. Maengela, BAEd (Dodoma), MEMA (Dar)

Warden II
I. S. Khalid, Dip (Ubungo), BEd (TUMA)

Kunduchi Hostels
Principal Janitor I
G. A. Mbonika, Dip (Kleruu), BA (OUT)

Principal Warden II
G. J. Malobe, BAEd (Dar), MAASP (Kleruu), Cert in Therapeutic, Counselling (KU), BSW(OUT)

Mikocheni Hostels
Senior Warden I
S. M. Yussuf, BEd (SAUT), MA-MEMA (Dar)

Dr. John Pombe Joseph Magufuli Hostels
Block A
Warden I
L. K. Enock, BAEd (Dar)

Warden I
J. Ulime, BAEd (Dar), MBA (Iringa)

Janitor II
L. Kanyita, Dip (Mbeya)

Block B
Warden II
T. Makupa, BA (Dar)

Social Walfare II
H. E. William, BA (Morogoro)

Block C
Senior Warden II
G. A. Njau, Cert (Marangu), BAEd (OUT), PGD (TPCS)

Janitor II
E. P. Sibula, Dip (Mara)

Block D
Warden I
T. Makelele, BAEd (Dar), MA (Morogoro)

Senior Janitor II
A. Minja, Dip (Dakawa)

Block E
Warden IIS. D. Mujemula, BAEd (OUT)

Janitor I
G. R. Gama, Dip (Bagamoyo)

Block F
Warden II
J. M. Jirori, Dip (Marangu), BEd (Dar)

Janitor II
J. Chavala, Dip (Dakawa)

Mabibo Hostels
Block A
Senior Janitor I
L. R. Mvuna, Dip. Rungemba CDTI (Iringa)

Senior Warden II
E. T. Shao BEd ADE, MEMA(Dar)

Block B
Warden I
J. S. Kagaruki, Dip (Rungemba), BASO (OUT)

Warden II
M.W. Mwalingo, BAEd (Morogoro)

Block C
Warden I
P. P. Mfugale, BAEd, MED-ASP (Dar)

Janitor II
Z. D. Mbiye, Dip. (Morogoro)

Block D
Warden I
T. L. Nkebukwa, BA (Dar)

Senior Janitor II
S. S. Manota, Dip. (Mwanza)

Block E
Senior Warden I
M. L. Nyamrukwa, BAEd, MED-ASP (Dar)

Senior Janitor II
S. A. Semdoe, Cert (Bustani), Dip Adem (Pwani)

Block F
Senior Social Welfare Officer II
N. Muoji, BEd. PSY, MEMA (Dar)
Warden I
H. R. Harenga, BEd (Dar)), MSc (Morogoro)

MCHAS Hostels
Wardens
P. A. Mdegella, BA (Iringa), MA (ASP) (Dar)
S. S. Katunzi, Dip (Marangu), BA (Dar), MPA (Morogoro)
S. A. Nyika, Cert (Mtwara), Dip (Mbeya)

IMS Zanzibar
Mazizini Hostels
Senior Warden I
F. Juma, BAEd (Dar)

Human Resource Officer II
S. Mgaya, Dip, Secondary Education (Tarime), BA HRM (Dar)

MRI Dodoma
Warden
E. A. Mpamo, Dip (Arusha)

Dar es Salaam University Students Organisation (DARUSO)
DARUSO President
D. S. Mwakigowe (2024-04-08037) – BA with Education

DARUSO Vice President
K. M. Kasty (2024-04-03469) – BCom in Accounting

DARUSO Prime Minister
S. Y. Komba (2023-06-000723) – Masters in Educational Management and Administration

OFFICE OF THE DEPUTY VICE CHANCELLOR (RESEARCH)
Administrative Officer I
B. F. Lugwisha, BA (Dar), MA (Mysore)

Senior Accountant I
B. Chandika, ADA (Dar), PGDFM (Dar), CPA (T)

Secretary I
M. T. Haule, DSS (Dar)

Office Attendant
C. A. Laimos, Cert. (Dar)

Senior Driver I
R. I. Ng'unda, O level (Dar)

Directorate of Research and Publication (DRP)
Senior Administrative Officer I - Research
W. Navwa, BA PSPA (Hons), PHR (Dar)

Senior Administrative Officer II - Grants
S. D. Dhajeh, BA (Morogoro), MA (Dar)

Office Mangement Secretary I
J. H. Kanuti Diploma (Dar)

Senior Office Assistant II
M. A. Shomary, Cert (Dar)

Driver II
A. S. Urari, O-Level (Dar)

Dar es Salaam University Press (DUP)
Senior Editor
T. T. Mapunda, BA, PGD, MA (Dar)

Editors
R. A. Muhdhar, BAEd (Hons), MA (Dar)
S. R. Assey, BSc (Morogoro), MA (Dar)
S. Kulwa, BAEd (Hons), MA (Dar)

Assistant Accountant
S. A. Saidi, BCom in Accounting (Dar)

Records Management Assistant
C. G. Shoni, Dipl. in Library and Information Studies (TPSC), BALIS (Dar)

Office Management Sectretary II
D. B. Mpangwa, Dipl. in Secretariate Studies (TPSC) (Singida)

Directorate of Public Services (DPS)
Continuing Education Centre
Head and Principal Administrative Officer II
L. B. Kisaka, BCom (Nairobi), PGD (Dar), IHRM (Cambridge), MBA (Dar)

University Consultancy Bureau
Manager and Senior Lecturer
H. Makundi, BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

Industrial Liaison Office
Head and Senior Lecturer
Eva I. Shayo, BSc, MSc, PhD (Dar)

Human Resource Officer
D. D. Kagirwa, BSc (Dar)

Business Development Officer
Z. George BBA, MSc. (Dar)

Accounts Officers
J. Dadi, BA (Dodoma)
A. Tillya, BSc (UK)

Office Management Secretary
M. K. Kyando, Dipl. Secretarial Studies (TPSC), Teaching Methodology (STRYDE Project)

Driver
S. M. Pius, Motor Vehicle Mechanics-Grade II and the Upgrading Course (VETA), Cert. Driving (NIT)

Directorate of Innovation and Entrepreneurship (DIEN)
Senior Human Resource Officer
T. S. Mchagu, BA (Dar)

Office Management SecretaryII
P. M. Ngole, Dipl. Secretarial Studies (TPSC)

Office Attendant
N. A. Kimisha, O-Level, Cert. Librarian (Dar)

DIRECTORATE OF LIBRARY SERVICES
Principal Administrative Officer
M. P. Bwathondi, BCom, MBA (Dar)

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Associate Professor/Librarian and Head
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Reader Services
Lecturer/Librarian and Head
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Library Collections
Arts and Social Sciences
Senior Library Officer and Supervisor
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Science and Engineering
Library Officer and Supervisor
E. Nkoba, BALIS (TUDARCO)

Law
Principal Library Officer and Supervisor
H. B. Gideon, BA, MHRM (Dar)

East Africana
Library Officer and Supervisor
V. N. Mwashihava, BA, MLIM (OUT)

Reference and Document Delivery
Library Officer and Supervisor
L. D. Mfupe, BA, MA (Dar)

ICT
Senior Library Officer and Supervisor
Z. R. Mshana, BA, MA (Dar)

Acquisitions
Senior Library Officer and Supervisor
M. A. Ngulangwa, BALIS (TUDARCO)

MEMBERS OF THE UNIVERSITY COUNCIL

S/N	FULL NAME	MEMBERSHIP TYPE	TITLE AND ADDRESS	E-MAIL
1.	Amb. Mwanaidi Sinare Maajar	Appointee of the President of United Republic of Tanzania	**Chairperson** Advocate, Corporate Commercial and Natural Resources Law Practitioner Rex House, 344 Ghuba Rd./Toure Drive Oysterbay P. O. Box 7495 Dar es Salaam, Tanzania	mmaajar@rexaltorneys.co.tz
2.	CPA Moremi Marwa	Appointee of Minister, MoEST	**Deputy Chairperson** Chief Executive Officer (CEO) of Tanzania Telecommunications Corporation (TTCL) Telecommunications Corporation, Extelcoms House, 32, Samora Street, P. O. Box 9070, 11104 Dar es Salaam, Tanzania	moremiandrea@gmail.com
3.	Prof. William-Andey Lazaro Anangisye	Vice Chancellor, University of Dar es Salaam	Vice Chancellor, University of Dar es Salaam	vc@admin.udsm.ac.tz
4.	Prof. Carolyne I. Nombo	Permanaent Secretary - MoEST	Permanent Secretary, Ministry of Education, Science and Technology Permanent Secretary Government City Mtumba Area - Afya Street P. O. Box 1040479 Dodoma, Tanzania.	ps@moe.go.tz info@moe.go.tz
5.	Mr. Nehemia K. Mchechu	Treasury Registrar	Treasury Registrar Morocco Square, Tower	info@tro.go.tz

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10.	Eng. Mary Moses Swai	Member - Appointee of Minister, MoEST	Public Procurement Regulatory Authority (PPRA) Chief Executive Officer – Public Procurement Regulatory Authority (PPRA) P. O. Box 2865 Dodoma, Tanzania	mswai@gmail.com;

S/N	FULL NAME	MEMBERSHIP TYPE	TITLE AND ADDRESS	E-MAIL
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15.	Mr. Daimon Steven Mwakigowe	Appointee of DARUSO	DARUSO PRESIDENT P. O. Box 35080 Dar es salaam, Tanzania	daimonmwakigowe@gmail.com

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DAR ES SALAAM UNIVERSITY PRESS (DUP) P. O. BOX 35182 DAR ES SALAAM EMAIL: dup@udsm.ac.tz	+255-22-2410093 +255-22-2410500 Ext. 2560	NIL
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UNDERGRADUATE PROGRAMMES WHICH ARE OFFERED FOR THE UNIVERSITY CERTIFICATES, DIPLOMAS AND DEGREES AWARDS

The minimum number of students required for any particular undergraduate programme to run shall be ten. Departments wishing to run programmes with less than ten students shall first obtain special permission from the Deputy Vice-Chancellor (Academic). The set minimum number of students is subject to annual reviews by the Senate.

Subject to paragraph one (1) above the undergraduate Bachelor programmes offered by the University of Dar es Salaam in its various academic units are:

College of Agriculture and Food Technology (CoAF)
Bachelor of Science in Agricultural and Natural Resources Economics and Business
Bachelor of Science in Agricultural Engineering and Mechanisation
Bachelor of Science in Bee Science and Technology
Bachelor of Science in Crop Science and Technology
Bachelor of Science in Food Science and Technology

College of Humanities (CoHU)
Bachelor of Arts in Archaeology
Bachelor of Arts in Archaeology and Geography
Bachelor of Arts in Archaeology and History
Bachelor of Arts in Art and Design
Bachelor of Arts in Communication Studies
Bachelor of Arts in Diplomatic and Defence Studies
Bachelor of Arts in Film and Television
Bachelor of Arts in Heritage Management
Bachelor of Arts in History and Archives Management
Bachelor of Arts in History, Cultural Heritage Management and Tourism
Bachelor of Arts in Language Studies
Bachelor of Arts in Literary and Publishing Studies
Bachelor of Arts in Literature
Bachelor of Arts in Music
Bachelor of Arts in Philosophy and Ethics
Bachelor of Arts in Religious Studies
Bachelor of Arts in Theatre Arts
Bachelor of Arts with Education (Shared with CoSS)

College of Social Sciences (CoSS)
Bachelor of Arts in Anthropology
Bachelor of Arts in Political Science and Public Administration
Bachelor of Arts in Politics and International Relations
Bachelor of Arts in Psychology
Bachelor of Arts in Sociology
Bachelor of Arts in Urban and Rural Development
Bachelor of Arts with Education (Shared with CoHU)
Bachelor of Library and Information Studies
Bachelor of Social Work
Bachelor of Science in Environmental Assessment and Natural Resource Management

Bachelor of Science in Geographical Information Systems and Remote Sensing
Bachelor of Science in Statistics

College of Engineering and Technology (CoET)
Bachelor of Architecture
Bachelor of Science in Chemical and Process Engineering
Bachelor of Science in Civil Engineering
Bachelor of Science in Electrical Engineering
Bachelor of Science in Geomatics
Bachelor of Science in Industrial Engineering
Bachelor of Science in Mechanical Engineering
Bachelor of Science in Quantity Surveying
Bachelor of Science in Textile Design and Technology
Bachelor of Science in Textile Engineering

College of Natural and Applied Sciences (CoNAS)
Bachelor of Science in Actuarial Sciences
Bachelor of Science in Agricultural Biotechnology
Bachelor of Science in Applied Microbiology and Chemistry
Bachelor of Science in Chemistry
Bachelor of Science in Chemistry and Physics
Bachelor of Science in Industrial Biotechnology
Bachelor of Science in Mathematics and Statistics
Bachelor of Science in Medical Biotechnology
Bachelor of Science in Meteorology
Bachelor of Science in Petroleum Chemistry
Bachelor of Science in Physics (Medical Physics)
Bachelor of Science in Plant Conservation and Taxonomy
Bachelor of Science in Plant Health and Protection
Bachelor of Science in Wildlife Science and Conservation
Bachelor of Science with Education
Bachelor of Science in Zoology

College of Information and Communication Technologies (CoICT)
Bachelor of Science in Business Information Technology
Bachelor of Science in Computer Engineering and Information Technology
Bachelor of Science in Computer Science
Bachelor of Science in Electronics Engineering
Bachelor of Science in Telecommunications Engineering

School of Mines and Geosciences (SoMG)
Bachelor of Science in Engineering Geology
Bachelor of Science in Geology
Bachelor of Science in Geology with Geothermal Resources Exploration
Bachelor of Science in Geology with Petroleum Resources
Bachelor of Science in Geophysics
Bachelor of Science in Metallurgy and Mineral Processing Engineering
Bachelor of Science in Mining Engineering
Bachelor of Science in Petroleum Engineering
Bachelor of Science with Geology

School of Aquatic Sciences and Fisheries Technology (SoAF)
Bachelor of Science in Aquaculture and Technology
Bachelor of Science in Aquatic Environmental Sciences and Conservation

School of Journalism and Mass Communication (SJMC)
Bachelor of Arts in Mass Communication and Multimedia Studies
Bachelor of Arts in Public Relations and Strategic Communication
Bachelor of Journalism and Media Studies

University of Dar es Salaam Business School (UDBS)
Bachelor of Business Administration (Evening)
Bachelor of Business Administration in Accounting and Finance (Evening)
Bachelor of Business Administration in Procurement and Logistics Management (Evening)
Bachelor of Commerce in Accounting
Bachelor of Commerce in Auditing and Forensic Accounting
Bachelor of Commerce in Banking and Financial Services
Bachelor of Commerce in Human Resource Management
Bachelor of Commerce in Marketing
Bachelor of Commerce in Procurement and Supply Chain Management
Bachelor of Commerce in Tourism Management
Bachelor of Science in Finance

University of Dar es Salaam School of Economics (UDSE)
Bachelor of Arts in Economics
Bachelor of Arts in Economics and Statistics

School of Education (SoED)
Bachelor of Commerce with Education
Bachelor of Education in Early Childhood Education
Bachelor of Lifelong Learning and Community Development
Bachelor of Sport Sciences and Physical Education

University of Dar es Salaam School of Law (UDSoL)
Bachelor of Arts in Law Enforcement
Bachelor of Laws

Institute of Kiswahili Studies (IKS)
Bachelor of Arts in Kiswahili
Bachelor of Arts in Kiswahili (Tafsiri na Ukalimani)

Institute of Marine Sciences (IMS)
Bachelor of Science in Marine Sciences
Bachelor of Science in Oceanography

Institute of Development Studies (IDS)
Bachelor of Arts in Development Studies

Dar es Salaam University College of Education (DUCE)
Bachelor of Arts in Disaster Risk Management
Bachelor of Arts in Economics
Bachelor of Arts in Political Science and Public Administration

Bachelor of Arts with Education
Bachelor of Science with Education

Mkwawa University College of Education (MUCE)
Bachelor of Arts in Historic Archives and Heritage Studies
Bachelor of Arts in Literary Studies and Creative Writing
Bachelor of Arts in Translation and Interpretation
Bachelor of Arts with Education
Bachelor of Science in Chemical Sciences
Bachelor of Science in Chemistry
Bachelor of Science in Climate Change and Natural Resources Management
Bachelor of Science in Data Science and Artificial Intelligence
Bachelor of Science in Environmental Health and Sustainability
Bachelor of Science in Food Biotechnology
Bachelor of Science with Education

Mbeya College of Health and Allied Sciences (MCHAS)
Doctor of Dental Surgery
Doctor of Medicine

University of Dar es Salaam Confucius Institute (UDSM-CI)
Bachelor of Arts with Education (Chinese and English Language)

Institute of Gender Studies (IGS)
Bachelor of Arts in Gender Studies and Community Development

CoICT/SJMC/UDSoL/CoHU (Diploma)

Institute of Marine Sciences (IMS)
Diploma in Applied Mariculture Technology
Diploma in Coastal and Marine Ecotourism

University of Dar es Salaam Confucius Institute (UDSM-CI)
Diploma in Chinese Language

Dar es Salaam University College of Education (DUCE)
Ordinary Diploma in Educational Laboratory Science and Technology

University of Dar es Salaam Mineral Resources Institute (UDSM-MRI)
Ordinary Diploma Programmes
Ordinary Diploma in Geology and Mineral Exploration
Ordinary Diploma in Petroleum Geosciences
Ordinary Diploma in Mining Engineering
Ordinary Diploma in Mineral Processing Engineering
Ordinary Diploma in Environmental Engineering and Management in Mines
Ordinary Diploma in Land and Mine Surveying

Dar es Salaam University College of Education (DUCE)
Basic Technician Certificate in Educational Laboratory Science and Technology
Technician Certificate in Educational Laboratory Science and Technology

University of Dar es Salaam Mineral Resources Institute (UDSM-MRI)
Technician Certificate in Geology and Mineral Exploration
Technician Certificate in Petroleum Geosciences
Technician Certificate in Mining Engineering
Technician Certificate in Mineral Processing Engineering
Technician Certificate in Environmental Engineering and Management in Mines
Technician Certificate Land and Mine Surveying
Basic Certificate in Geology and Mineral Exploration
Basic Certificate in Petroleum Geosciences
Basic Certificate in Mining Engineering
Basic Certificate in Mineral Processing Engineering
Basic Certificate in Environmental Engineering and Management in Mines
Basic Certificate Land and Mine Surveying

CoICT/SJMC/UDSoL/CoHU (Certificates)

ADMISSION REGULATIONS

1. All enquiries about admission should be addressed to:
   The Director of Undergraduate Studies
   University of Dar es Salaam
   P. O. Box 35091
   Dar es Salaam, Tanzania
   E-mail: dus@udsm.ac.tz
   Tel. +255222410544/2410545/2410513 or 2410500Ext. 2019 and 2057
   Fax: +255222410078

   All applicants MUST submit their applications for admission online via https://udsm.Admission.ac.tz. Only applicants who meet the TCU minimum entry qualifications should submit their applications. Applications which do not meet the minimum entry qualifications will not be processed and the admission fee if paid will be forfeited.

2. It is an offence to submit false information when applying for admission. Applicants who will be discovered to have submitted forged certificates or any other false information will not be considered and appropriate legal action will be taken against them. Bonafide University students are cautioned not to attempt applying for admission. If such students submit their application, they will be liable to de-registration. Likewise, former students who have already graduated cannot be admitted as undergraduate students under Government loan sponsorship.

3. All new students are required to report for the orientation programme that normally takes place during the week preceding the beginning of the new academic year.

4. Successful applicants will be registered only after they have paid the requisite University fees.

5. Fees paid will not be refunded.

6. All students, if accepted, are expected to conform entirely to University regulations.

7. The deadline for registration of first year students will be two weeks, from the first day of the orientation week, while for continuing students it will be the Friday of the second week after the beginning of the first semester.

8. Except in exceptional circumstances, no student will be allowed to change subjects/courses later than the Friday of the fourth week after the beginning of the first semester. Transferring from one academic programme to another will be allowed only where the student has the required admission criteria for the academic programme for which transfer is being sought and a vacancy exists in that programme.

9. (a) Students discontinued on academic grounds from one College/School may be allowed to apply into another College/School provided that the sponsor approves.
   (b) Discontinued students wishing to re-apply in the same College/School must show evidence of having followed further studies satisfactory to the College/School.

10. (a) Students entering this University as transfer cases cannot transfer grades obtained elsewhere. They can, however, be exempted from taking corresponding courses.
    (b) Where degrees are classified, the maximum transferable load is one academic year.

11. Students will be allowed to be away from University studies for a maximum of two years if they are to be allowed for the re-admission into the same year of studies where they left off.

12. Students discontinued from studies because of examination irregularities will be considered for re- admission after they have been away for three years. They will be required to re-apply and compete with other applicants for re-admission into first year.

13. No change of names by students will be entertained during the course of study at the University and they will only be allowed to use names appearing on their certificates.

14. No student will be allowed to postpone studies after effective commencement of an academic year except under special circumstances. Permission to postpone studies will be considered after producing satisfactory evidence of the reasons for postponement and written approval from the sponsor. Special circumstances shall include: sickness, serious social problems (each case to be considered on its own merit) and severe sponsorship problem.

MINIMUM ENTRANCE REQUIREMENTS FOR DIRECT AND EQUIVALENT QUALIFICATION ENTRANTS

A candidate shall be deemed eligible for consideration for admission to a first-degree programme of the University of Dar es Salaam if the candidate has the following qualifications:

Certificate of Secondary Education Examination (CSEE) or equivalent, with passes in FIVE approved subjects THREE of which must be at Credit level obtained prior to sitting for the Advanced Certificate of Secondary Education Examination (ACSEE) or equivalent;

AND

(i) For all applicants except graduates of 2014 and 2015
Two Principal Passes in appropriate subjects in the ACSEE or equivalent with total points from three subjects not below 5 (for Arts programmes) and 4 (for Science-based programmes) based on the following grade to point conversion scale:
A = 5; B = 4; C = 3; D = 2; E = 1; S = 0.5 and F = 0 point
The minimum Principal in this case is an 'E' grade.

(ii) For graduates of 2014 and 2015
Two passes in appropriate subjects in the ACSEE or equivalent with total points from three subjects not below 5 (for Arts programmes) and 4 (for Science-based programmes) based on the following grade to point conversion scale:
A = 5; B+ = 4; B = 3; C = 2; D = 1; E = 0.5 and F = 0 point.
The minimum Principal in this case is a 'D' grade.
(Note: Principal level passes in Divinity/Islamic Knowledge are not counted)

OR
An appropriate equivalent Diploma of a GPA not less than 3.5 for Ordinary Diplomas or B+ average for Teacher Education and Health Related diplomas or Distinction for unclassified awards or B grade for Full Technician Certificates or Upper Second Class for non-NTA diplomas obtained from a college which is fully registered by NACTVET and approved by the UDSM Senate.

Note: Applicants from countries which follow an 8-4-4 education system need to complete at least one year of study at a university in their own countries before they can be considered for admission into the University of Dar es Salaam.

ADDITIONAL REQUIREMENTS BY COLLEGES AND SCHOOLS

COLLEGE OF AGRICULTURE AND FOOD TECHNOLOGY (CoAF)

Bachelor of Science in Agricultural and Natural Resources Economics and Business

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Economics and either Commerce, Agriculture, Geography and Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Beekeeping, Agribusiness, Economics, Agriculture, Fisheries, Wildlife Management orForestry with an average of "B+'' or a minimum GPAof 3.5.

Bachelor of Science in Agricultural Engineering and Mechanisation

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Advanced Mathematics and one of the following subjects: Physics, Chemistry or Geography. In addition, the applicant must have obtained at least a PASS ("D" grade) in Physics AND Chemistry or Biology or Science and Practice in Agriculture at O-Level.

(ii) Equivalent Qualifications
Diploma or Full Technician Certificate (FTC) inAgricultural Engineering, Civil Engineering, Mechanical Engineering, Agro-mechanization, Electrical Engineering, Water Resources andMining Engineering, and Agricultural general withan average of "B+'' or a minimum GPA of 3.5. Inaddition, an applicant must have a minimum of "D" grade in either Mathematics, Biology, or Chemistryat O-Level.

Bachelor of Science in Bee Science and Technology

(iii) Direct Entry (Form VI) Qualifications
Two Principal passes in Biology and in one of the following subjects: Chemistry, Nutrition, Agriculture, Physics and Geography.

(iv) Equivalent Qualifications
Diploma in Biological Sciences such as Beekeeping, Agriculture, Fisheries, Wildlife Management and Forestry with an average of "B+'' or a minimum GPA of 3.5 or distinction or B grade for FTC.

Bachelor of Science in Crop Science and Technology

(v) Direct Entry (Form VI) Qualifications
Two principal passes in Biology or Agriculture and in one of the following subjects: Chemistry, Geography, Physics or Nutrition.

(vi) Equivalent Qualifications
Diploma in Agriculture, Crop Production, Horticulture, Home Economics or Nutrition with an average of "B+'' or a minimum GPA of 3.5.5.

Bachelor of Science in Food Science and Technology

(vii) Direct Entry (Form VI) Qualifications
Two Principal passes from Chemistry and any of the following subjects: Mathematics, Biology, Nutrition, Physics, and Geography. A credit in Mathematics at "O level" and a subsidiary pass at "A level" is compulsory.

(viii) Equivalent Qualifications
Diploma in Food Science and Technology, Agriculture, Nutrition, Engineering and Technology or related fields recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction or B grade.

COLLEGE OF ENGINEERING AND TECHNOLOGY (CoET)

Bachelor of Architecture

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in the following subjects: Physics, Chemistry, Biology, Mathematics, Geography or Fine Arts.

(ii) Equivalent Qualifications:
Diploma in Architecture recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction or B grade for FTC.

Bachelor of Science in Chemical and Process Engineering

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in Advanced Mathematics and Physics, with minimum D grade in Mathematics. Those without at least a subsidiary pass in Chemistry must have a credit in Chemistry at O-Level.

(ii) Equivalent Qualifications:
Diploma in Chemical Engineering, Process Engineering or Chemical and Process Engineering, Oil and Gas Engineering, Mineral Processing Engineering, Sciences or Laboratory Technology, recognized by UDSM Senate with a Credit Pass in Mathematics at O-level with GPA not less than 3.5 or "B+" grade or distinction or "B" average for FTC.

Bachelor of Science in Civil Engineering

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in Advanced Mathematics and Physics. Those without at least a Subsidiary in Chemistry must have a Credit pass in Chemistry at O-Level.

(ii) Equivalent Qualifications:
Diploma or Full Technician Certificate (FTC) in Civil, Transportation, Water Supply and Sanitation, Highway or Water Resources Engineering, Hydrology with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level or B grade for FTC.

Bachelor of Science in Electrical Engineering

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in Advanced Mathematics and Physics. Those without at a subsidiary pass in Chemistry must have a Credit in chemistry at O-Level.

(ii) Equivalent Qualifications:
Diploma in Sciences/Full Technician Certificate (FTC) in Electrical Engineering or Electronics recognized by UDSM Senate with a Credit Pass in Mathematics at O-Level and GPA of not less than 3.5 or "B+" grade or distinction or "B" average for FTC.

Bachelor of Science in Geomatics

(i) Direct Entry (Form VI) Qualifications:

Two principal passes in Advanced Mathematics and in one of the following subjects: Physics, Geography, Chemistry or Computer Science. If the second principal pass is not Physics, an applicant MUST HAVE at least a subsidiary pass in Physics.

(ii) Equivalent Qualifications:
Diploma in Water Resources, Geomatics or Civil Engineering recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or B grade for FTC and at least ''C'' grade in Mathematics at O-Level.

Bachelor of Science in Industrial Engineering

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in Advanced Mathematics and Physics. Those without subsidiary in Chemistry must have a Credit at O-Level.

(ii) Equivalent Qualifications:
Diploma or Full Technician Certificate (FTC) in Mechanical Engineering, Electromechanical, Mechatronics Engineering, Agro-mechanics, Automotive, Industrial Engineering, Electrical Engineering, Industrial Automations or Marine Engineering recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Science in Mechanical Engineering

(i) Direct Entry (Form VI) Qualifications:
Two Principal level passes in Mathematics and Physics and at least a subsidiary pass in Chemistry at A-level or a Credit pass at O-level.

(ii) Equivalent Qualifications:
Diploma or Full Technician Certificate (FTC) in Mechanical Engineering, Electromechanical, Mechatronics Engineering, Agro-mechanics, Automotive, Industrial Engineering, Electrical Engineering, Industrial Automations or Marine Engineering with recognized by UDSM Senate an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Science in Quantity Surveying

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in Advanced Mathematics and Physics.

(ii) Equivalent Qualifications:
Diploma in any Engineering programme recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or B grade or distinction or B grade for FTC.

Bachelor of Science in Quantity Surveying

(i) Direct Entry (Form VI) Qualifications:
Two passes of at least 'D' grade at A-Level in any Science, Fine Art, Textile and Garment Construction, Geography, Economics or English Language subjects. Applicants without a Subsidiary grade in Mathematics at A-level must have at least "C" grade at CSEE in Mathematics.

(ii) Equivalent Qualifications:
Diploma/FTC in Sciences, Laboratory Technology or Architecture recognized by UDSM Senate with GPA not less than 3.5 or average of B+ or distinction or B average for FTC.

Bachelor of Science in Textile Engineering

(i) Direct Entry (Form VI) Qualifications:
Two Principal Level passes in Advanced Mathematics or Physics and in one of the following subjects: Chemistry or Geography or Biology or Computer Science at A-level. Candidates without subsidiary pass in Chemistry at A-level must have at least a 'C' grade in Chemistry at O-level. In addition, Candidates without principal pass in Advanced Mathematics at A-level must have at least a 'C' grade in Mathematics at O-level.

(ii) Equivalent Qualifications:
Diploma/FTC in Sciences, Laboratory Technology recognized by UDSM Senate with GPA not less than 3.5 or average of B+ or distinction or B average for FTC and a Credit Pass in Mathematics at O-Level

COLLEGE OF HUMANITIES (CoHU)

Bachelor of Arts in Archaeology

(i) Direct Entry (Form VI) Qualifications
Two Principal passes in Arts or Science subjects.

(ii) Equivalent Qualifications
Diploma in Social work, Sociology, Cultural Heritage Management, Architecture, Geology or Education recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Archaeology and Geography

(i) Direct Entry (Form VI) Qualifications
Two principal passes in History and Geography.

(ii) Equivalent Qualifications
Diploma in Arts, Geography, Environment, History, Sociology or Social Work recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Archaeology and History

(i) Direct Entry (Form VI) Qualifications
Two principal passes, one of which must be History.

(ii) Equivalent Qualifications
Diploma in Social work, Sociology, Cultural Heritage Management, Architecture, Geology or Education recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Art and Design

(i) Direct Entry (Form VI) Qualifications
Two combinationsTwo principal passes in any Arts or Business orScience subjects.

(ii) Equivalent Qualifications
Diploma in any subject recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction.

Bachelor of Arts in Communication Studies

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. In addition, one must have a minimum of "C" grade in English at O-Level.

(ii) Equivalent Qualifications
Diploma in Communication Studies, Public Relations, Education, Management, Tourism, Journalism and Mass Communication recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Diplomatic and Defence Studies

(i) Direct Entry (Form VI) Qualifications
Two Principal passes one of which must be in History at "C" grade or above, and in one of the following subjects: English Language, Kiswahili, Kiswahili Literature, Chinese language, Arabic language, French Language, Literature in English, Geography, Economics, Islamic Knowledge or Divinity.

(ii) Equivalent Qualifications
Diploma in Diplomatic Studies, and in Legal Studies recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Film and Television

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Literature, Theatre Arts, Music, Chinese, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition.

(ii) Equivalent Qualifications
Diploma in any subject recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction

Bachelor of Arts in Heritage Management

(i) Direct Entry (Form VI) Qualifications
Two principal passes one of which must be History.

(ii) Equivalent Qualifications
Diploma in Arts, Heritage, Architecture, Education, Library, Social work, Sociology, Cultural Heritage Management, Records Management, Tourism, Law or Wildlife recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in History and Archives Management

(i) Direct Entry (Form VI) Qualifications
Two principal passes one in History with a minimum of "D" grade or above and from one of the following subjects: English, Kiswahili, Fasihi ya Kiswahili, Chinese and Economics.

(ii) Equivalent Qualifications
Diploma in Architecture, Archival Studies, Records Management, Library or Social work recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Language Studies

(iii) Direct Entry (Form VI) Qualifications
Two Principal Passes, one of which must be a minimum of 'C' grade in the following subjects: English Language, Kiswahili, French, Chinese or Arabic.

(iv) Equivalent Qualifications
Diploma in Education recognized by UDSM Senate with a GPA not less than 3.5 or B+ grade or distinction.

Bachelor of Arts in History, Cultural Heritage Management and Tourism

(i) Direct Entry (Form VI) Qualifications
Two principal passes one of which must be in History with a minimum of "D" grade and in one the following subjects: English Language, Kiswahili, Economics, Geography, Fine Arts, French or Arabic.

(ii) Equivalent Qualifications
Diploma in Tourism, Social Work and Records Management recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction.

Bachelor of Arts in Literary and Publishing Studies

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: English, Literature in English and Kiswahili.

(ii) Equivalent Qualifications
Diploma in teaching or publishing studies recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of a "C" grade in English at O-Level.

Bachelor of Arts in Literature

(i) Direct Entry (Form VI) Qualifications
Two principal passes, one of which must be at "C" grade or above in Kiswahili, English or French

(ii) Equivalent Qualifications
Diploma in Education recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Music

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics or Agriculture.

(ii) Equivalent Qualifications
Diploma in any subject recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction

Bachelor of Arts in Philosophy and Ethics

(i) Direct Entry (Form VI) Qualifications
Two in English principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition.

(ii) Equivalent Qualifications
Diploma in any subject recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction.

Bachelor of Arts in Religious Studies

(i) Direct Entry (Form VI) Qualifications
Two principal passes in arts or science subjects.

(ii) Equivalent Qualifications
Diploma in religious Studies recognized by UDSM Senate with an average of "B+" or a minimum GPA of 3.5.

Bachelor of Arts in Theatre Arts

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition.

(ii) Equivalent Qualifications
Diploma in any subject recognized by UDSM Senate with an average of "B+''or a minimum GPA of 3.5 or distinction,

Bachelor of Arts with Education

(i) Direct Entry (Form VI) Qualifications
Two two teaching subjects one of which must be in Arts principal passes in the following language subjects: Chinese, Kiswahili, English, French, Arabic at A-level. If one of the principal passes is not Chinese, an applicant must have an "A" grade in Chinese at O-Level.

(ii) Equivalent Qualifications
Diploma in Chinese language recognized by UDSM Senate with an average of "B+" or a minimum GPA of 3.5.

COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES (CoICT)

Bachelor of Science in Business Information Technology

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: Advanced Mathematics and Physics or Chemistry, or Computer Science or Business Studies or Economics or any other Business-related subject. Those without at least a Subsidiary Pass in Advanced Mathematics must have a Credit at O-Level.

(ii) Equivalent Qualifications

Diploma or NTA Level 6 or higher in Mathematics, Statistics, Economics, Computer Science, Information Technology, Computer Engineering, Electronics or Telecommunication Engineering recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of 'C' grade in Mathematics at O- Level.

Bachelor of Science in Computer Engineering and Information Technology

(i) Direct Entry (Form VI) Qualifications

Two principal passes in Advanced Mathematics and Physics or Computer Science. An applicant without at least a subsidiary pass in Chemistry must have a minimum of "C" grade at O-Level.

(ii) Equivalent Qualifications

Diploma in ICT, Computer Science, Electronics or Laboratory Technology recognized by UDSM Senate with GPA not less than 3.5 or B+. In addition, an applicant must have a minimum of 'C' grade in Mathematics at O-Level.

Bachelor of Science in Computer Science

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: Advanced Mathematics and Physics or Computer Science.

(ii) Equivalent Qualifications

Diploma or NTA Level 6 or higher in Computer Science, Information Technology, Information Communication Technology or Electronic Science and Communication recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of 'C' grade in Mathematics at O-Level.

Bachelor of Science in Electronics Engineering

(i) Direct Entry (Form VI) Qualifications

Two principal passes in Advanced Mathematics and Physics. An applicant without at least a subsidiary pass in Chemistry MUST HAVE a minimum of "C" grade at O-Level.

(ii) Equivalent Qualifications

Diploma or NTA Level 6 or higher in ElectronicsEngineering, Telecommunications Engineering, Electronics Science and Communication, orElectronics and Telecommunications Engineeringwith an average of "B+'' or a minimum GPA of 3.5. Inaddition, an applicant must have a minimum of 'C'grade in Mathematics and Physics at O-Level

Bachelor of Science in Telecommunications Engineering

(i) Direct Entry (Form VI) Qualifications

Two principal passes in Advanced Mathematics and Physics. An applicant without at least a subsidiary pass in Chemistry must have a minimum of "C" grade at O-Level.

(ii) Equivalent Qualifications

Diploma or Full Technician Certificate (FTC) in Computer Engineering, Electronics Engineering or Telecommunications Engineering recognized by UDSM Senate with an average of "B+'' or a

minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level.

COLLEGE OF NATURAL AND APPLIED SCIENCES (CoNAS)

Bachelor of Science in Actuarial Sciences

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Advanced Mathematics and in one of the following subjects: Economics, Geography, Commerce, Accountancy, Physics, Chemistry, Biology or Computer Science.

(ii) Equivalent Qualifications
Diploma in Mathematics, Statistics or other relevant disciplines recognized by UDSM Senate with a minimum GPA of 3.5 or an average of B+. In addition, an applicant must have a ''C'' grade in Statistics or Mathematics or Quantitative methods.

Bachelor of Science in Agricultural Biotechnology

(i) Direct Entry (Form VI) Qualifications
Principal passes in appropriate subjects with "C" grade or above in Chemistry and Biology and the minimum "D" in any of the third subject at A-level. In addition, an applicant must have Credit passes in Physics, chemistry, biology and mathematics at O-level.

(ii) Equivalent Qualifications
Diploma in Agriculture, Crop production, Animal health, Veterinary Laboratory Technology and other biotechnology related programs recognized by UDSM Senate with an average grade of 'B+' or a minimum GPA of 3.5. In addition, an applicant must have Credit passes in Physics, chemistry, biology and mathematics at O-level.

Bachelor of Science in Applied Microbiology and Chemistry

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Chemistry and Biology. In addition, an applicant MUST have Credit passes in chemistry and Biology at O-level.

(ii) Equivalent Qualifications
Diploma in Biological Sciences, Nursing, Public Health, Clinical Medicine, Pharmaceutical Studies or Medical Laboratory Sciences recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Science in Chemistry

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Chemistry and in any appropriate subjects at A-level. In addition: The applicant should have a C grade or above in chemistry at O-level.

(ii) Equivalent Qualifications
Diploma or Full Technician Certificate (FTC) in Chemistry, Chemical Laboratory Technology recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition: The applicant should have a C grade or above in chemistry at O-level.

Bachelor of Science in Chemistry and Physics

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Chemistry and Physics. Additionally, candidate should have a "C" grade or above in chemistry and physics at O-level.

(ii) Equivalent Qualifications
Diploma in Education, Chemistry or Physics recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Science in Industrial Biotechnology

(i) Direct Entry (Form VI) Qualifications

Two Principal Passes in appropriate subjects with"C" grade or above in Chemistry and Biology and at least "D" in Physics at A'level. In addition, an applicant must have Credit passes in Physics, chemistry, biology and mathematics at O-level.

(ii) Equivalent Qualifications

Diploma in Biotechnology, Bioprocess engineering, Diploma in Food Processing Technology, Diploma in Leather Processing Technology, Diploma in Fish Processing, Quality Assurance and Marketing and other biotechnology related programs recognized by UDSM Senate with an average grade of 'B+' or a minimum GPA of 3.5. In addition, an applicant must have Credit passes in Physics, chemistry, biology and mathematics at O-level

Bachelor of Science in Mathematics and Statistics

(i) Direct Entry (Form VI) Qualifications

Two principal passes in Advanced Mathematics and one of the following subjects: Economics, Geography, Commerce, Accountancy, Physics, Chemistry, Biology or Computer Science.

(ii) Equivalent Qualifications

Diploma in Mathematics, Statistics, Economics or other relevant discipline recognized by UDSM Senate with GPA not less than 3.5 or B+ and a grade of C or better in Statistics or Mathematics or Quantitative Methods

Bachelor of Science in Mathematics and Statistics

(i) Direct Entry (Form VI) Qualifications

Two principal passes of "C" Grade or above in Chemistry and Biology and at least "D" in Physics at A-level. In addition, an applicant must have Credit passes in Physics, chemistry, biology and mathematics at O-Level.

(ii) Equivalent Qualifications

Diploma in Clinical Medicine, Medical Laboratory Science, Medical Laboratory Technology, Pharmaceutical Sciences, Veterinary Laboratory Technology, Nursing and in Animal Health and Production and related health sciences recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have Credit passes in Physics, chemistry, biology and mathematics.

Bachelor of Science in Meteorology

(i) Direct Entry (Form VI) Qualifications

Two principal passes in Advanced Mathematics and Physics.

(ii) Equivalent Qualifications

Diploma in Meteorology, Hydrology recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Science in Petroleum Chemistry

(i) Direct Entry (Form VI) Qualifications

Two Principal passes one in Chemistry and another in any of the following subjects: Biology, Physics, Advanced Mathematics, Nutrition, Agriculture orGeography. In addition: The applicant should have a C grade or above in chemistry and physics at O-level.

(ii) Equivalent Qualifications

Diploma in Clinical Medicine, Medical Laboratory Science, Medical Laboratory Technology, Pharmaceutical Sciences, Veterinary Laboratory Technology, Nursing and in Animal Health and Production and related health sciences recognized by UDSM Senate with an average of "B+'' or a

minimum GPA of 3.5. In addition, an applicant must have Credit passes in Physics, chemistry, biology and mathematics.

Bachelor of Science in Physics (Medical Physics)

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Advanced Mathematics, Biology, Geography, and Computer Studies, and must have a minimum grade of D in Physics.

(ii) Equivalent Qualifications
Diploma in Physics or equivalent related fields such Science education (majored in Physics), Diagnostic Radiography, Nuclear Medicine Technology, Biomedical Engineering, and Biomedical Equipment Engineering recognized by UDSM Senatewith an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Science in Plant Conservation and Taxonomy

(i) Direct Entry (Form VI) Qualifications
Two principal passes, one of which must be Biology and any other principal pass from either, Chemistry, Geography, Physics, Computer Science or Mathematics.

(ii) Equivalent Qualifications
Diploma in fields including Crop Production, Horticulture, Nutrition, Forestry, Conservation and Beekeeping recognized by UDSM Senate with an average grade of 'B+' or a minimum GPA of 3.5.

Bachelor of Science in Plant Health and Protection

(i) Direct Entry (Form VI) Qualifications
Two principal passes, one of which must be Biology and any other principal pass from either, Chemistry, Geography, Physics, Computer Science or Mathematics.

(ii) Equivalent Qualifications
Diploma in Crop Production, Horticulture, Nutrition, Forestry, Conservation and Beekeeping recognized by UDSM Senate with an average grade of 'B+' or a minimum GPA of 3.5.

Bachelor of Science in Wildlife Science and Conservation

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Biology and in one of the following subjects: Physics, Chemistry, Geography or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Biological Sciences, Beekeeping or Wildlife recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5

Bachelor of Science with Education

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: Physics, Chemistry, Advanced Mathematics, Biology, Economics, Computer Science or Geography.

(ii) Equivalent Qualifications
Diploma in Education recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Science in Zoology

(i) Direct Entry (Form VI) Qualifications

Two principal passes in Biology and in any of the following subjects: Physics, Chemistry, Geography or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Biological Sciences recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

COLLEGE OF SOCIAL SCIENCES (CoSS)

Bachelor of Arts in Anthropology

(i) Direct Entry (Form VI) Qualifications
Two Principal passes in Arts or Science subjectsDiploma

(ii) Equivalent Qualifications
Diploma in Anthropology or related fields recognized by UDSM Senate with GPA not less than 3.5 or B+ grade or distinction.

Bachelor of Arts in Political Science and Public Administration

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Arts, Social Sciences, International Relations, recognized by UDSM Senate with GPA not less than 3.5 or B+ grade or distinction

Bachelor of Arts in Politics and International Relations

(i) Direct Entry (Form VI) Qualifications
Two principal passes in arts subjects.

(ii) Direct in Arts, Social Sciences, International Relations recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Psychology

(i) Direct Entry (Form VI) Qualifications
Two Principal passes in Arts or Science subjects plus a credit in Biology at O-level.

(ii) Relevant diploma recognized by UDSM Senate with an average of B+ or a GPA of 3.5. In addition, a candidate is required to have a performance of C grade or above in Biology at O-level

Bachelor of Arts in Sociology

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Chinese, Fine Art, Economics, Commerce, Accountancy or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Arts, Social Sciences, Health Sciences recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Urban and Rural Development

(i) Direct Entry (Form VI) Qualifications

Two principals in Geography and in one of the following subjects: Economics, Chemistry, Biology, Agriculture, History, and Literature. In addition, an applicant must have a credit in Geography at O-level.

(ii) Equivalent Qualifications

Diploma in Agricultural Sciences, Land Use Planning and Management, Cartography, Geographical Information Systems (GIS), Education (Geography and Science Subjects) Rural and Urban Development, Regional Development Planning and other related diploma recognized by UDSM Senate with an average of 'B+' or GPA of 3.5.

Bachelor of Arts with Education

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following Arts Subjects: History, Geography, Kiswahili, English Language, French, Arabic, Chinese, Fine Arts, Literature in English, Economics or Advanced Mathematics.

(ii) Equivalent Qualifications

Diploma in Education with two Arts subjects recognized by UDSM Senate with GPA not less than 3.5

Bachelor of Library and Information Studies

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition.

(ii) Equivalent Qualifications

Diploma in Library studies, Records Management and Archives Administration, Education, ICT, IT or related fields recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction.

Bachelor of Social Work

(i) Direct Entry (Form VI) Qualifications

Two Principal passes in Arts subjects plus a credit pass in General Studies at A-level, and credit passes in Biology and Civics at O-level

(ii) Equivalent Qualifications

Diploma in Social Work or related fields recognized by UDSM Senate with GPA not less than 3.5 or B+ grade or distinction

Bachelor of Science in Environmental Assessment and Natural Resource Management

(i) Direct Entry (Form VI) Qualifications

Two principal passes one of which must be in Geography. In addition, an applicant must have a credit pass in Geography at O-level.

(ii) Equivalent Qualifications

Diploma in Agricultural Sciences, Land Use Planning, Cartography, Geographical Information Systems (GIS), Education (Geography and Science Subjects, Natural Resources) and other related diplomarecognized by UDSM Senate with an average grade of 'B+' and above or a minimum GPA of 3.5. In addition, an applicant must have a credit pass in Geography at O-level.

Bachelor of Science in Geographical Information Systems and Remote Sensing

(i) Direct Entry (Form VI) Qualifications

Two principal passes in Geography and one of the following subjects: Biology, Economics, Chemistry, Physics, Mathematics, Kiswahili and History. In addition, an applicant must have a credit in Geography at O-level.

(ii) Equivalent Qualifications

Diploma or Full Technician Certificate (FTC) in Land Surveying, Cartography, Computer Science, Information Technology, Computing and Information Communication, Civil Engineering, Civil and Transportation Engineering, Water Supply and Sanitation Engineering, Environmental Health Science, Hydrology and Meteorology, Water Resources Engineering, Geoinformatics, Geoinformation Science, Geographical Information Systems, Wildlife Management, Wildlife Tourism, Natural Resources Management, Forestry, Agriculture/Agricultural Engineering or Water Resource Management and other related diploma recognized by UDSM Senate with an average grade of 'B+' or a minimum GPA of 3.5.

Bachelor of Science in Statistics

(i) Direct Entry (Form VI) Qualifications

Two principal passes one of which must be in Advanced Mathematics with a minimum of 'D' grade

(ii) Equivalent Qualifications

Diploma in Statistics and Diploma in Education (Mathematics) recognized by UDSM Senate with GPA not less than 3.5 or B+ grade or distinction.

UNIVERSITY OF DAR ES SALAAM BUSINESS SCHOOL (UDBS)

Bachelor of Business Administration (Evening)

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. Those without a principal or subsidiary pass in Advanced Mathematics MUST HAVE a minimum of "C" grade

(ii) Equivalent Qualifications

Any Diploma recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction, the grade in Statistics or Mathematics or Quantitative Methods in the Diploma must be ''C'' or above. In additional applicant must have at least a ''C'' grade in Mathematics at O-Level.

Bachelor of Business Administration in Accounting and Finance (Evening)

(i) Direct Entry (Form VI) Qualifications

Any two principal passes. Those without a principal or subsidiary pass in mathematics must have a 'C' or above pass at O-level.

(ii) Equivalent Qualifications

Any Any diploma with GPA not less than 3.5 or 'B+' grade or distinction or Upper Second Class for non-NTA diplomas. The grade in Statistics or Mathematics or Quantitative methods in the diploma must be 'C' or better or at least a 'C' grade at O Level.

Bachelor of Business Administration in Procurement and Logistics Management (Evening)

(i) Direct Entry (Form VI) Qualifications

Two Principal level passes with a total of 4 points in subjects related to commerce, computer science, economics, business studies, mathematics, accountants, arts, and science at Advanced Certificate of Secondary Education Examination (ACSEE).

(ii) Equivalent Qualifications

Diploma with GPA of not less than 3.5 from institutions recognized by NACTVET/TCU and approved by the Senate. The grade in Statistics, Mathematics, or Quantitative Methods in the diploma should be 'C' or better. Alternatively, the candidate must have a grade of 'C' or better in Certificate of Secondary Education Examination (CSEE) level Mathematics.

Bachelor of Commerce in Accounting

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. If one of the principals is not Advanced Mathematics an applicant MUST HAVE at least a subsidiary pass in Advanced Mathematics or a minimum of "C" grade in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications

Any diploma recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Statistics, Mathematics or Quantitative Methods in Diploma or a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Commerce in Auditing and Forensic Accounting

(i) Direct Entry (Form VI) Qualifications

Two principal passes from any A level subjects. In addition, an applicant must have at least a subsidiary pass in Mathematics at A-level or at least grade 'C' at O-level.

(ii) Equivalent Qualifications

Any diploma with an average of "B+'' or aminimum GPA of 3.5. In addition, an applicantmust have a minimum of "C" grade in Statistics, Mathematics or Quantitative Methods in Diplomaor a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Commerce in Banking and Financial Services

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. If one of the principals is not in Advanced Mathematics an applicant MUST HAVE at least a subsidiary pass in Advanced Mathematics or a minimum of "C" grade in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications

Any diploma with an average of "B+'' or a minimumGPA of 3.5 or distinction. In addition, an applicantmust have a minimum of "C" grade in Statistics, Mathematics or Quantitative Methods in Diplomaor a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Commerce in Human Resource Management

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. If one of the principals is not in Advanced Mathematics an applicant must have at least a subsidiary pass in Advanced Mathematics or a minimum of "C" grade in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications

Any diploma with an average of "B+'' or a minimumGPA of 3.5 or distinction. In addition, an applicantmust have a minimum of "C" grade in Statistics, Mathematics or Quantitative Methods in Diploma ora minimum of "C" grade in Mathematics at O-Level.

Bachelor of Commerce in Marketing

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. If one of the principals is not in Advanced Mathematics an applicant MUST HAVE at least a subsidiary pass in Advanced Mathematics or a minimum of "C" grade in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications

Any diploma recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction. In addition, an applicant must have a minimum of "C" grade in Statistics, Mathematics or Quantitative Methods in Diploma or a minimum of "C" grade

Bachelor of Commerce in Procurement and Supply Chain Management

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. If one of the principals do not include Advanced Mathematics or Economics or Commerce, an applicant MUST HAVE a minimum of "C" grade in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications

Diploma in Business Administration, Procurement and Supply Chain, Materials Management, Taxation, Logistics and Transport, Accountancy, Customs and Tax Administration or Financing and Banking recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Commerce in Tourism Management

(i) Direct Entry (Form VI) Qualifications

Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. If one of the principals is not in Advanced Mathematics an applicant MUST HAVE at least a subsidiary pass in Advanced Mathematics or a minimum of "C" grade in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications

Any diploma recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction. In addition, an applicant must have a minimum of "C" grade in Statistics, Mathematics or Quantitative Methods in Diploma or a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Science in Finance

(i) Direct Entry (Form VI) Qualifications

Two principal level passes one of which must be in Advanced Mathematics, Economics, Business Studies, Physics, or Computer Science. Those without a principal pass in Advanced Mathematics MUST HAVE a subsidiary pass in basic applied mathematics at A level and minimum of "B" grade in Mathematics at O-Level.

(ii) Equivalent Qualifications

Diploma in Statistics, Mathematics, Finance, Computer Science, Business Information, Information Technology, Banking and Finance, Insurance and Risk Management, Actuarial Science recognized by UDSM Senate. In addition, the candidate must have a minimum of "C" grade in Mathematics at O' Level.

UNIVERSITY OF DAR ES SALAAM SCHOOL OF ECONOMICS (UDSE)

Bachelor of Arts in Economics

(i) Direct Entry (Form VI) Qualifications
Two principal passes one of which must be in Economics or Advanced Mathematics. Candidates without Advanced Mathematics must have a credit pass or above in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications
Diploma in Economics recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Arts in Economics and Statistics

(i) Direct Entry (Form VI) Qualifications
Two Principal passes in Advanced Mathematics and Economics.

(ii) Equivalent Qualifications
Diploma in Economics or Statistics recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level.

SCHOOL OF AQUATIC SCIENCES AND FISHERIES TECHNOLOGY (SoAF)
Bachelor of Science in Aquaculture and Technology

(i) Direct Entry (Form VI) Qualifications
Two principal passes one of which must be Biology and the other from Physics, Chemistry, Food and Human Nutrition, Agriculture, Mathematics, Geography or Economics.

(ii) Equivalent Qualifications
Diploma in the related fields recognised by UDSM Senate with a GPA not less than 3.5 or B+.

Bachelor of Science in Aquatic Environmental Sciences and Conservation

(iii) Direct Entry (Form VI) Qualifications
Two principal passes in Biology and one from any of the following subjects: Physics, Chemistry, Agriculture, Nutrition, Geography, Physical Education, Fine Art, Economics and Advanced MathematicsDiploma

(iv) Equivalent Qualifications
Diploma in Fisheries Science and Technology, Fisheries Management and Technology, Aquaculture, Forest Management and Nature Conservation, Agriculture, Education (with science subjects), Maritime, Environment and Coastal Resources Management, Fish Processing, Quality Assurance and Marketing recognised by UDSM Senate with a GPA not less than 3.5. In addition, an applicant must have a minimum of "C" grade in Biology at O-Level.

SCHOOL OF EDUCATION (SoED)
Bachelor of Education (Early Childhood Education)

(i) Direct Entry (Form VI) Qualifications
Two or more principal level passes in two teaching subjects

(ii) Equivalent Qualifications
Diploma in Educational Studies with GPA not less than 3.5 or B grade or Distinction

Bachelor of Commerce with Education

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Mathematics, Accountancy, Economics, Business Studies and Commerce. In addition, an applicant must have at least a subsidiary pass in Mathematics at A-Level or a grade of 'C' or better at O-Level.

(ii) Equivalent Qualifications
Diploma recognized by UDSM Senate with a GPA of not less than 3.5 or an average of B+ in the relevant field, plus a credit pass in Mathematics.

Bachelor of Education in Early Childhood Education

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition.

(ii) Equivalent Qualifications:
Diploma in Education, Early Childhood Education, Psychology, Social Work, Sociology or any education-related fields recognized by UDSM Senate with a GPA not less than 3.5 or an average of B+.

Bachelor of Lifelong Learning and Community Development

(i) Direct Entry (Form VI) Qualifications:
Two Principal passes in Arts or Science subjects.

(ii) Diploma in the field related to Adult and Community Development recognized by UDSM Senate with a GPA not less than 3.5 or an average of B+.

Bachelor of Sport Sciences and Physical Education

(i) Direct Entry (Form VI) Qualifications:
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. Those without a Principal or Subsidiary pass in Biology must have a Credit at O-Level.

(ii) Diploma, recognized by UDSM Senate, related to the field of Physical Education and Sport Sciences, Physical Education and Sport, Sport Management, Sports coaching education with pass in Anatomy and Physiology in their Diploma with an average of "B+'' or a minimum GPA of 3.5. In addition, candidates who do not hold Diploma related to Physical Education and Sport Sciences must have in "C" grade in Biology at O-Level and pass the Physical Fitness Test administered by the PESS Department.

SCHOOL OF MINES AND GEOSCIENCES (SoMG)

Bachelor of Science in Engineering Geology

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Advanced Mathematics and Physics. An applicant without at least a subsidiary pass in Chemistry must have a minimum of "C" grade at O-Level. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma or Full Technician Certificate (FTC) in Geological Sciences, recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, one must have a credit pass in Physics, Chemistry, and Mathematics at O-Level.

Bachelor of Science in Geology

(i) Direct Entry (Form VI) Qualifications
Three principal passes in the following subjects: Advanced Mathematics, Physics and Chemistry. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma in Geological Sciences recognised by UDSM Senate with an average of "B+'' or a

minimum GPA of 3.5. In addition, one must have a credit pass in Physics, Chemistry, and Mathematics at O-Level. Special Requirements: Physical fitness.

Bachelor of Science in Geology with Geothermal Resources Exploration

(i) Direct Entry (Form VI) Qualifications
Three principal passes in Physics, Chemistry and Advanced Mathematics. Special Requirements: Physical fitness

(ii) Equivalent Qualifications
Diploma in Geology, Geology and Mineral Exploration, or any other Geological science diploma recognised by UDSM Senate, with a minimum qualification of an upper second-class award GPA at least 3.5 or "B+" grade. Additionally, the candidate must have at least a "C" grade in Physics, Chemistry and Mathematics at O-level. Special Requirements: Physical fitness.

Bachelor of Science in Geology with Petroleum Resources

(i) Direct Entry (Form VI) Qualifications
Three principal passes in the following subjects: Advanced Mathematics, Physics and Chemistry. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma in Petroleum Geology or Geological sciences or related field recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or distinction. In addition, one must have a credit pass in Physics, Chemistry and Mathematics at O' Level. Special Requirements: Physical fitness.

Bachelor of Science in Geophysics

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Advanced Mathematics and Physics. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma in Geophysics or Hydrogeology or in a geological-related field recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, one must have a credit pass in Physics and Mathematics at O'Level. Special Requirements: Physical fitness.

Bachelor of Science in Metallurgy and Mineral Processing Engineering

(i) Direct Entry Qualifications
Two principal passes in Advanced Mathematics and Physics. An applicant without at least a subsidiary pass in Chemistry MUST HAVE a minimum of "C" grade at O-Level. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma or Mineral Processing with an average of "B+'' or a minimum GPA of 3.5. In addition, anapplicant must have a minimum of "C" grade inMathematics at O-Level. Special Requirements: Physical fitness.

Bachelor of Science in Mining Engineering

(i) Direct Entry Qualifications
Two principal passes in Advanced Mathematics and Physics. An applicant without at least a subsidiary pass in Chemistry must have a minimum of "C" grade at O-Level. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma or Full Technician Certificate (FTC) in Mining Engineering recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level. Special Requirements: Physical fitness.

Bachelor of Science in Petroleum Engineering

(i) Direct Entry Qualifications
Two principal passes in Advanced Mathematics and Physics and at least a subsidiary pass in Chemistry. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma in Petroleum Engineering recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level. Special Requirements: Physical fitness.

Bachelor of Science with Geology

(i) Direct Entry Qualifications
Two principal passes in any of the following subjects: Physics, Chemistry, Biology, Advanced Mathematics, Computer sciences or Geography. Special Requirements: Physical fitness.

(ii) Equivalent Qualifications
Diploma in Geological Sciences recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have credit pass in Physics, Chemistry and Mathematics at O 'Level. Special Requirements: Physical fitness.

UNIVERSITY OF DAR ES SALAAM SCHOOL OF LAW (UDSoL)

Bachelor of Law

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. An applicant without principal passes in History and English MUST HAVE at least subsidiary passes or a minimum of "C" grade in History and English at O-Level.

(ii) Diploma Law or any Diploma in a discipline relevant to Law Enforcement with an average of "B+'' or a minimum GPA of 3.5. or Certificate in Law of the University of Dar es Salaam passed with distinction, provided that the applicant has passed five subjects at O-level, three of which must be credit passes grade "C'' grade or above).

NB: On completion of the 4 years at UDSM, students are required to proceed to internshipor any other practical training programmes the Government may have put in place for law graduates.

Bachelor of Arts in Law Enforcement

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition. An applicant without principal passes in History and English MUST HAVE at least subsidiary passes or a minimum of "C" grade in History and English at O-Level.

(iii) Diploma Law or any Diploma in a discipline relevant to Law Enforcement recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or a Certificate in Law of the University of Dar es Salaam passed with distinction, provided that the applicant has passed five subjects at O-level, three of which must be credit passes grade "C'' grade or above).

SCHOOL OF JOURNALISM AND MASS COMMUNICATION (SJMC)

Bachelor of Arts in Mass Communication and Multimedia Studies

(i) Direct Entry (Form VI) Qualifications
Two principal passes at C grade or above at A-level with at least C in English at O-level.

(ii) Equivalent Qualifications
Diploma or NTA Level 6 in media studies, such as Journalism, Mass Communication, Public Relations, and Advertising, recognized by UDSM Senate with an overall GPA of 3.5 or above

Bachelor of Arts in Mass Communication and Multimedia Studies

(i) Direct Entry (Form VI) Qualifications
Two principal passes at C grade or above in any A- Level subjects. In addition, candidates must have C grade in English or Kiswahili at O-level.

(ii) Equivalent Qualifications
Diploma or NTA Level 6 in media studies, such as Public Relations, Journalism, and Mass Communication, recognized by UDSM Senate with an overall GPA of 3.5 or above.

Bachelor of Journalism and Media Studies

(i) Direct Entry (Form VI) Qualifications
Two principal passes at ''C'' grade or above in any subject.

(ii) Equivalent Qualifications
Diploma or NTA Level 6 in Journalism, Mass Communication and Public Relations and Advertising recognized by UDSM Senate with a minimum GPA of 3.5 or above.

MBEYA COLLEGE OF HEALTH AND ALLIED SCIENCES (MCHAS)

Doctor of Medicine

(i) Direct Entry (Form VI) Qualifications
Three principal passes in Physics, Chemistry, and Biology with minimum of 6 points: A minimum principal pass of D grade in Chemistry, Biology and Physics.

(ii) Equivalent Qualifications
Diploma in Clinical Medicine recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum grade of "D" in the following subjects at O-Level: Mathematics, Chemistry, Biology, Physics, and English.

Doctor of Dental Surgery

(i) Direct Entry (Form VI) Qualifications
Three principal passes in Physics, Chemistry and Biology with a minimum of 6 points: a minimum principal pass of D grade in Chemistry, Biology and Physics.

(ii) Equivalent Qualifications
Diploma in Dental Health Sciences recognized by UDSM Senate with an average of "B'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of ''D'' grade in the following subjects: Mathematics, Chemistry, Biology, Physics and English at O-Level.

INSTITUTE OF KISWAHILI STUDIES (IKS)

Bachelor of Arts in Kiswahili

(i) Direct Entry (Form VI) Qualifications
Two principal passes one in Kiswahili with a minimum of "D" grade and in one of the following subjects: English, French, Arabic, Chinese, Geography or History.

(ii) Equivalent Qualifications

Diploma in Kiswahili, Education with Kiswahili recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Kiswahili at O-Level.

Bachelor of Arts in Kiswahili (Tafsiri na Ukalimani)

(i) Direct Entry (Form VI) Qualifications
Ufaulu wa masomo mawili ya kidato cha sita (ACSEE) kwa angalau daraja C, mojawapo ikiwa Kiswahili.

(ii) Equivalent Qualifications
Stashahada/diploma husiani inayotambulika na Seneti ya UDSM yenye wakia (GPA) usiopungua 3.5 au wastani wa B+.

INSTITUTE OF MARINE SCIENCES (IMS)

Bachelor of Science in Marine Sciences

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Biology and in one the following subjects: Chemistry, Agriculture, Physics, Geography and Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Fisheries Science and Technology, Fisheries Management and Technology, Forest Management and Nature Conservation, Aquaculture, Agriculture, Education (with science courses), Maritime, Environment and Coastal Resources Management, and Fish Processing approved by the UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or Distinction. In addition, applicants must possess a minimum of "C" grade

Bachelor of Science in Oceanography

(i) Direct Entry (Form VI) Qualifications
Two principal passes at a minimum of 'D' grade one of which must be in Physics.

(ii) Equivalent Qualifications
Diploma in Geomatics, Hydrology and Meteorology, Marine Engineering, Hydrogeology, Environmental Engineering, or Education with Mathematics and Physics or Physics and Chemistry approved by the UDSM Senate with a GPA of at least 3.5 or an average of B+.

INSTITUTE OF DEVELOPMENT STUDIES (IDS)

Bachelor of Arts in Development Studies

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: Business Studies, History, Geography, Kiswahili, English Language, French, Arabic, Tourism, Fine Arts, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition.

(ii) Equivalent Qualifications
Diploma in Development Studies, Community Development, Gender Studies, Community Development, Gender Studies, Rural Development; Local government, Philosophy Rural Development; Local government, Philosophy or related fields recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.6.

DAR ES SALAAM UNIVERSITY COLLEGE OF EDUCATION (DUCE)

Bachelor of Arts in Disaster Risk Management

(i) Direct Entry (Form VI) Qualifications
Two principal passes in any of the following subjects: Geography, Economics, Biology, Chemistry, Physics, and Advanced Mathematics.

(ii) Equivalent Qualifications
An appropriate equivalent qualifications diploma in agricultural sciences, Land Use Planning, Cartography, Geographical Information Systems (GIS), Education (Geography and Science Subjects, Natural Resources), statistics, demography, medical certificates and other related diploma certificates as recognized by UDSM senate with GPA less than 3.5 or B+ grade.

Bachelor of Arts in Economics

(i) Direct Entry (Form VI) Qualifications
Two principal passes one of which must be in Economics or Advanced Mathematics. Candidates without Advanced Mathematics must have a credit pass or above in Basic Mathematics at O-Level.

(ii) Equivalent Qualifications
Diploma in Economics recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition, an applicant must have a minimum of "C" grade in Mathematics at O-Level.

Bachelor of Arts in Political Science and Public Administration

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Arts, Social Sciences, International Relations, recognized by UDSM Senate with GPA not less than 3.5 or B+ grade or distinction

Bachelor of Arts with Education

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following Arts Subjects: History, Geography, Kiswahili, English Language, French, Arabic, Chinese, Fine Arts, Literature in English, Economics or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Education with two Arts subjects recognized by UDSM Senate with GPA not less than 3.5 or B+ grade or distinction.

Bachelor of Science with Education

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: Physics, Chemistry, Mathematics, Biology, Economics or Geography.

(ii) Equivalent Qualifications
Diploma in Education with an average of "B+'' or aminimum GPA of 3.5 or Distinction.

MKWAWA UNIVERSITY COLLEGE OF EDUCATION (MUCE)

Bachelor of Arts in Historic Archives and Heritage Studies

(i) Direct Entry (Form VI) Qualifications
Two Archival Management, Library and information science, Museum Studies, Library Records and Information Studies, Cultural Heritage Management, Record Management, Archival Studies, Conversation and Restoration, Archaeology, History, Computer Science and Information Technology and Architectural studies recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

(ii) Equivalent Qualifications
Diploma in Education with an average of "B+'' or aminimum GPA of 3.5 or Distinction.

Bachelor of Arts in Literary Studies and Creative Writing

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Kiswahili, Fasihi ya Kiswahili, English Language, Literature in English, French, Chinese, Arabic and Academic Communication.

(ii) Equivalent Qualifications
Diploma in language and literature recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Arts in Translation and Interpretation

(i) Direct Entry (Form VI) Qualifications
Two principal level passes in appropriate subjects such as Kiswahili, Fasihi ya Kiswahili, English Language, Literature in English, French, and Chinese.

(ii) Equivalent Qualifications
Diploma in Teacher Education and any other relevant diplomas recognized by UDSM Senate with an average of "B+" or a minimum GPA of 3.5.

Bachelor of Arts with Education

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following Arts Subjects: History, Geography, Kiswahili, English Language, French, Arabic, Chinese, Fine Arts, Literature in English, Economics or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Education with two Arts subjects recognized by UDSM Senate with GPA not less than 3.5 or B+ grade or distinction.

Bachelor of Science in Chemical Sciences

(i) Direct Entry (Form VI) Qualifications
Two principal passes one of which must be in Chemistry at "D" grade and in one of the following subjects: Physics Mathematics, Biology, Geography or Nutrition. In addition, an applicant must have a pass in Chemistry at O-level.

(ii) Equivalent Qualifications
Diploma of or related fields with an average of "B+'' or aminimum GPA of 3.5.

Bachelor of Science in Chemical Sciences

(i) Direct Entry (Form VI) Qualifications
Two principal passes one of which must be in Chemistry at "D" grade and in one of the following subjects: Physics Mathematics, Biology, Geography or Nutrition. In addition, an applicant must have a pass in Chemistry at O-level.

(ii) Equivalent Qualifications
Diploma of or related fields with an average of "B+'' or aminimum GPA of 3.5.

Bachelor of Science in Chemistry

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Chemistry and in any appropriate subjects at A-level. In addition: The applicant should have a C grade or above in chemistry at O-level.

(ii) Equivalent Qualifications
Diploma or Full Technician Certificate (FTC) in Chemistry, Chemical Laboratory Technology recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5. In addition: The applicant should have a C grade or above in chemistry at O-level.

Bachelor of Science in Climate Change and Natural Resources Management

(i) Direct Entry (Form VI) Qualifications
Two principal passes of which one subject must be in the following subjects: Geography, Biology or Agriculture.

(ii) Equivalent Qualifications
Diploma in Wildlife, Forestry, Environmental Resources, Environmental Management, Community Development, Environmental Science, Agricultural Sciences, Land Use Planning, Geographical Information Systems, Education (Geography, Science Subjects and Natural Resources) and other related disciplines recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Bachelor of Science in Data Science and Artificial Intelligence

(i) Direct Entry (Form VI) Qualifications
Two principal passes in Physics, Chemistry, Biology, Mathematics, Geography, or Economics.

(ii) Equivalent Qualifications
Diploma in Computer Science, Information Technology, Statistics, Science, Mathematics and Physics, Statistics, or Mathematics and Chemistry or any related field, recognized by UDSM Senate with a minimum GPA of 3.5 or an average of B+. Additionally, the candidate must have at least four passes (D's and above) in Biology, Geography, Chemistry, Physics, Computer Science, and Mathematics at O' level.

Bachelor of Science in Environmental Health and Sustainability

(i) Direct Entry (Form VI) Qualifications
Three principal passes in Chemistry, Biology and either Physics or Advanced Mathematics or Nutrition or Geography or Agriculture with a minimum of 6 points. An applicant must have at least a "C" grade in Chemistry and at least a "D" grade in Biology and "E" grade in Physics or Advanced Mathematics or Nutrition or Geography or Agriculture.

(ii) Equivalent Qualifications
Diploma in Public Health, Environmental Science, Environmental Engineering, or any related field, with a GPA not less than 3.5 or an average of B+. Additionally, the candidate must have passes of D or above in Biology, Geography, Chemistry, Physics, Agriculture and Mathematics at O'level.

Bachelor of Science in Food Biotechnology

(i) Direct Entry (Form VI) Qualifications
Two principal passes in science subjects, including Physics, Chemistry, Biology, Nutrition, Agriculture and related fields.

(ii) Equivalent Qualifications
Diploma in Health related fields recognized by UDSM Senate with an average of "B+'' or

Bachelor of Science with Education

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: Physics, Chemistry, Mathematics, Biology, Economics or Geography.

(ii) Equivalent Qualifications
Diploma in Education with an average of "B+'' or aminimum GPA of 3.5 or Distinction.

UNIVERSITY OF DAR ES SALAAM CONFUCIUS INSTITUTE (UDSM-CI)

Bachelor of Arts with Education (Chinese and English Language)

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following language subjects: Chinese, Kiswahili, English, French, Arabic at A-level. If one of the principal passes is not Chinese, an applicant must have an "A" grade in Chinese at O-Level.

(ii) Equivalent Qualifications
Diploma in Chinese language recognized by UDSM Senate with an average of "B+" or a minimum GPA of 3.5.

INSTITUTE OF GENDER STUDIES (IGS)

Bachelor of Arts with Education (Chinese and English Language)

(i) Direct Entry (Form VI) Qualifications
Two principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Arts, Economics, Commerce, Accountancy or Advanced Mathematics.

(ii) Equivalent Qualifications
Diploma in Gender Studies, Community Development, Social Work, Education, Adult Education, Community Development, Continuing Education, Development Studies, Social Protection, Economic Development, International Development, Political Science and Administration, Public Health, Social Protection, Social Policy, Social Development Studies or Rural Development recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5 or Distinction.

REGULATIONS ON STUDENTS CREDIT TRANSFER

1. General Regulations

1.1 Student credit transfer is allowed between Universities only.

1.2 Credit transfer applies to both undergraduate and postgraduate degree programmes.

1.3 Credit transfer can only be allowed if such credits have been obtained within a period of not more than two years.

1.4 Students discontinued from other universities are not allowed to transfer credits to the University of Dar es Salaam.

1.5 Students will be required to undertake at least 2/3 of degree programme credits at UDSM. Maximum credit allowable for transfer, therefore, is 1/3 of the required credits of a UDSM degree programme.

1.6 UDSM students on study-abroad programmes shall be allowed to transfer credits obtained from the other university to UDSM.

2. Conditions Governing Credit Transfer from other Universities to UDSM

2.1 The Higher Education Institution from which a student wants to transfer credit must be a University with full accreditation by a recognised body in the country assigned to deal with such matters and the accreditation status of the institution shall be independently verified by UDSM and the Tanzania Commission for Universities (TCU). If in doubt, UDSM reserves the right to give any applicant a performance verification test or reject the application.

2.2 The applying student must have an active degree programme registration at his/her institution.

2.3 The applicant's academic entry qualifications in the previous respective programme's cut-off point in the relevant year.

3. Conditions Governing Credit Transfer from UDSM to other Universities will be governed by the regulations of the receiving University

4. Criteria for Establishing Equivalence of Courses

Courses can be judged to be equivalent to UDSM courses if they meet the following criteria:

4.1 The course must be from a programme of the same level as that of UDSM i.e. Bachelors degree course for undergraduate degree courses. Courses at intermediate levels such as Advanced Diploma, or Higher Diploma levels are not acceptable.

4.2 The course must have a theoretical component i.e. involving final examination, excluding clinical-based or practical only courses.

4.3 Course content must be at least 75% similar to that of the UDSM course.

4.4 The number of teaching hours used to cover the course must not be less than 75% of those used at UDSM.

4.5 Once a course has been accepted as being equivalent to a UDSM course as per the criteria, the course shall be given the same number of credits as that of the course at UDSM regardless of the credits in the other University.

5. Rules for Conversion of Grades

5.1 Conversion of grades shall be done by anchoring the pass mark of the other university to that of UDSM and accordingly determining the range of marks in the other University for the UDSM grades.

5.2 In the case where only grades (and not scored marks) are available, the lower equivalent grade shall be assumed.

6. Procedures and Administration of Student Credit Transfer

6.1 Applications for credit transfer should be submitted to the Deputy Vice Chancellor (Academic), in writing, and attaching copies of all required supporting documents.

6.2 All applications shall be scrutinized by relevant committees responsible for admission at the Department, School/ College and the Directorate of Undergraduate Studies levels before reaching Senate for approval.

6.3 Students transferring from other universities to UDSM shall apply for credit transferat least three months before the beginning of the semester they want to join. Cases of UDSM's study-abroad students shall be dealt with on case by case basis.

6.4 Supporting documents for credit transfer application shall include the following:

(a) Official transcript (to be sent by the other university)
(b) Letter of introduction/recommendation from the previous university
(c) Course description, catalogue or syllabus (to include number of hours of teaching, method of assessment and grading system)
(d) An official translation of the original documents (in case of non-English documents)
(e) Photo-attached personal identification documents e.g. Birth certificate, passport or ID
(f) Certified copies of the original certificates used to gain admission into the previous university.

6.5 The following are reasons that shall be acceptable for credit transfer, in addition to meeting credit transfer criteria:

(a) Courses not offered at the University of Registration (applies only for short-term transfers)
(b) Illness (to be certified by UDSM medical officerin-charge)
(c) Exchange programmes
(d) Refugee situation
(e) Returning resident

6.6 Credit transfer applicants must pay a non-refundable fee to be determined from time to time; however, UDSM students on study-abroad programmes need not pay such fees as they had already paid the fee when applying for admission into the University.

ADMISSION OF SHORT-TERM STUDENTS TO UNDERGRADUATE DEGREE COURSES

1. A short-term student is one, the duration of whose studentship at the University of Dar es Salaam is one academic year and who is not registered for the certificate, diploma or degree course of the University.
2. Applications will only be considered from those candidates who possess the University of Dar es Salaam entrance qualifications or equivalent (B average) or higher qualifications for admission to the undergraduate degree course.
3. (a) The application must be submitted through the applicant's University/College to reach the Director of Undergraduate Studies at least two months before the beginning of the semester in which admission is being sought.
   (b) The applicant's University/College should, if it supports the application, send a letter of recommendation to this University.
4. Short-term students are required to register as students of the University for one full academic year to any year of study as long as they meet the prerequisites. As registered students, all regulations governing full time students will apply to them unless otherwise stated.
5. Non-Tanzanian students are expected to conform to all immigration formalities in force intheir countries before they depart for Tanzania. They must also obtain a Resident Permit from the nearest Tanzanian Embassy or High Commission before they arrive.
6. Registration for all students, including short-term students, is in October/November of each year unless otherwise specified.
7. Other regulations permitting, students with pending special or supplementary examinations at the end of the academic year must clear them in the subsequent academic year when the course is next offered.
8. A short-term student may be discontinued on the following grounds: serious breach of University (including Examination) regulations, abscondment, and/or irregular attendance in classes.
9. Short-term students may transfer to a degree programme provided their performance is satisfactory and to be awarded a degree of this University must have done most of the work at least 2/3 of the requirements at the University of Dar es Salaam.
10. Short-term students may be allowed to change status of registration from audit to credit course by permission and subject to meeting other requirements or prerequisites.
11. Short-term students under special programmes will pay fees as prescribed in the terms governing the respective programmes while fees for other categories of short-term studentswill be paid proportionately as for regular students. Non-Tanzanian students will be required to pay the fees in Tanzanian Shillings (TZS).

ADMISSION OF OCCASIONAL STUDENTS TO UNDERGRADUATE DEGREE COURSES

1. An occasional student is one, the duration of whose studentship is less than one academic year. Occasional students should normally stay at the University for one or two semesters.
2. The entrance qualifications are the same as for admission to undergraduate degree course or equivalent.
3. (a) The application must be submitted through the applicant's University/College to reach the Director of Undergraduate Studies at least two months before the beginning of the semester in which admission is being sought.
   (b) The applications must be submitted through the applicant's University College which should, if it supports the application, send a letter of recommendation to this University.
4. Non – Tanzanian students are expected to conform to all immigration formalities in force in their countries before they depart for Tanzania. They must also obtain Resident Permit from the nearest Tanzania Embassy or High Commission before they arrive.
5. Admission is on a semester basis to any year of study.
6. Occasional students will neither sit for exams nor get transcripts or grades except in special circumstances or where regulations allow a special programme could be set up which is recognized by the University.
7. An occasional student will be discontinued on the following grounds: any serious breach of University regulations, abscondment, or irregular attendance.
8. Occasional students may be allowed to audit courses by permission.
9. Occasional students under special programmes will pay fees as prescribed in the terms governing the respective programmes while fees for other categories of occasional students will be paid proportionately as for regular students. Non-Tanzanian students will be required to pay the fees in Tanzanian Shillings (TZS).

All correspondences should be addressed to:

The Director of Undergraduate Studies
P. O. Box 35091
Dar es Salaam, Tanzania
E-mail: dus@udsm.ac.tz
Tel: +255-22-2410544
+255 22 2410545
+255 22 2410513
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Ext 2019 and 2057
Fax: +255 22 2410078

GENERAL UNIVERSITY EXAMINATION REGULATIONS (GUER)

1. Registration for Examination

There shall be no special registration of candidates for examinations. Registration and payment to the University of all required or prescribed fees by a candidate for a course of study shall be deemed as adequate registration for the requisite examinations in the particular course of study.

2. Registration for Courses

2.1 All new full-time students shall register for courses at the beginning of the first semester of an academic year and continuing students shall register for courses at the end of an academic year for a total minimum of 60 course credits and a maximum of 72 course credits per semester in the academic year. Part-time students in a semester system shall register for a minimum of 48 credits and maximum of 96 credits per academic year.

2.2 The deadline for course registration for new students shall be the Friday of the second week after the beginning of the semester. Course registration at the beginning of the semester for continuing students shall only be allowed under special circumstances which prevented them from registering at the end of the year.

2.3 A student who has registered for a course but who wishes to withdraw from that course must apply to the Head/Dean/Director/Principal, as the case may be, of the unit hosting the programme through the Head of the course offering Department for permission to do so not later than Friday of the fourth teaching week of the semester. No student will be permitted to commence any course three weeks after the beginning of the semester or withdraw from any course four weeks after the beginning of the Semester.

3 Eligibility for Examinations

3.1 Candidates are required to complete coursework before they can be allowed to sit for the University Examination. Eligibility for examinations shall be determined primarily by satisfactory performance in continuous assessment and learning activities. Students shall demonstrate engagement through completion of prescribed academic tasks and assessments as designed for each course.

3.2 The Dean of a School, Principal of a College or the Director of a teaching Institute shall bar any candidate from being admitted to any examination in any course when the Dean, Principal or Director has verified that the candidate has not completed satisfactorily by performance or otherwise the requirements of the course. A candidate who is so barred will be required to carry over the course, other regulations permitting.

3.3 Satisfactory performance by the candidate shall mean:

3.3.1 Successfully undertaken 100% of all coursework assessment and learning activities, including assignments, tests, quizzes, tutorial/seminar presentations, projects works, laboratory practicals, clinical rotations, or fieldwork as applicable, or other activities prescribed by the instructor or course curriculum.

3.3.2 Secured a minimum cumulative score of 40% of continuous assessment marks (except clinical rotation courses and other courses that do not have coursework components).

3.4 The course tutor/instructor shall be responsible to provide ineligibility information to the Dean of the School, Principal of the College or Director of the teaching Institute through the Head of Department. Thus, the following administrative accountability are required:

3.4.1 Course Tutor/Instructor shall be responsible for monitoring, recording, and reporting coursework completion.

3.4.2 Head of Department shall ensure that reports are verified and consistent across courses.

3.4.3 Dean/Principal/Director shall confirm the final eligibility before admitting students to examinations.

3.5 Mechanisms for measuring and verifying performance shall be based on:

3.5.1 Continuous Assessment Records: Each instructor shall maintain verifiable records of coursework submitted by each candidate.

3.5.2 Learning Management System (LMS) Analytics: Where courses are hosted online, instructors shall use digital activity logs (such as but not limited to assignment submissions, discussion board participation, and quiz attempts) to track engagement.

3.5.3 Portfolio/Project-Based Evidence: In practice-heavy courses, students shall maintain portfolios or project logs that demonstrate ongoing participation.

3.5.4 Periodic Reporting: Instructors shall submit a summary report of each candidate's coursework performance to the Head of Department before the examination period.

3.6 Where a candidate who has been barred or not met conditions in accordance with clauses 3.2 – 3.3 enters the examination room and sits for the examination, his/her results in the examination shall be declared null and void.

3.7 Candidates with valid reasons (e.g., serious health conditions as verified by medical officer in-charge at UDSM, serious social problems - each case to be considered on its own merit and severe sponsorship problem) for not meeting coursework requirements may be granted special consideration to repeat the course upon formal application and approval by the DVC – Academic, other regulations permitting.

3.8 A candidate whose work or progress is considered unsatisfactory may be required by the Senate, on the recommendation of the appropriate College, School or Academic Institute Board, to withdraw (deregister) from the University or to repeat any part of the course before admission to an examination. Failure in an examination, including a session or semester examination may be regarded as evidence of unsatisfactory progress.

3.9 Where a candidate who has not registered for studies or for a course sits for an examination, the examination results shall be nullified.

4 Absence from Examinations

4.1 A candidate who deliberately absents himself/herself from an examination or examinations without compelling reasons shall be deemed to have absconded the examination and shall be discontinued from the University.

4.2 A student who is required to sit for a special examination shall be assigned a "PEX" (Postponed Exam) grade and one who, for satisfactory reasons, has not completed his/her coursework shall be assigned an "I" (Incomplete) grade.

4.3 A student who has a "PEX" or "I" grade during any academic year shall sit for special/supplementary examinations in the next available window in which the course is offered. Except with the approval of the respective College/School/Institute Board, a student who will not clear any "PEX" or "I" grade at the time of special examinations will be considered to have absconded studies.

4.4 Postponement of examinations is granted to candidates who have been registered for studies in an academic year. A student is allowed to postpone a maximum of three examinations in an academic year, except for special circumstances as approved by the DVC-Academic.

5 Board of Examiners

5.1 Every University Examination shall be conducted by a Board of Examiners which shall consist of one or more examiners appointed from outside the University, in conjunction with one or more of the instructors of the candidates in the subjects under examination; except that, in the case of the re-examination of candidates who have failed in the ordinary University examination, all the examiners may be appointed from within the University, provided that at least one of them had no part in teaching the candidates the subject or subjects under examination.

5.2 Notwithstanding the provisions of sub-paragraph 5.1, University examinations conducted during and/or at the end of the First Semester may be conducted by internal examiners only, provided that: (a) The relevant examination papers and answer scripts by candidates shall be submitted to

external Examiners together with the papers and scripts of the Second Semester for moderation.

(b) The results of such examinations shall be published in terms of regulation 10.1 at the end of the First Semester.

5.3 External Examiners shall be entitled to such honoraria as the Council shall prescribe.

6 Form of Assessment and Examination

6.1 The Head of Department must make sure that students are made aware of all required evaluation procedures at the beginning of the course.

6.2 A candidate at any examination may, at the discretion of the Board of Examiners, be required to attend an oral examination in addition to written and practical examinations.

6.3 The percentages of the total marks awarded for written, practical and oral examinations inany subject or course shall be determined by the Senate, on the recommendations of the appropriate College, School or academic Institute Board.

6.4 Each course will be examined at the time of its completion and a grade awarded. The grade will be based on a final university examination and a course work assessment. The coursework assessment shall normally constitute 40% and final university examination 60% of the total course assessment. Coursework assessment for courses that are practical / methodology / research Laboratory / field based, may however, with the approval of Senate, constitute up to 100% of the total course assessment provided that where it exceeds 40% the assignments on which it is based shall be available for scrutiny by the External Examiner.

6.5 Assessment of the student's progress shall be based on the following grading system:

A	:	70 – 100 %	C	:	40 – 49 %
B+	:	60 –69 %	D	:	35 – 39 %
B	:	50 –59 %	E	:	0 – 34 %

The above range of marks being a result of rounding of all decimals of the marks.

6.6 The minimum passing grade shall be 'C'.

7 Dates of Examination

7.1 Examinations in all Colleges, Schools and academic Institutes shall be held at a time to be determined by Senate, which shall normally be at the end of each semester, subject to such exceptions as Senate may allow upon recommendation by a College, School or Academic Institute Board or a College Governing Board, as the case may be.

7.2 Candidates who are referred and are required to do supplementary examinations shall be re-examined in the referred subjects at a time determined by the Senate or in particular cases by the relevant College/School/ Institute Board.

7.3 A candidate who, for reasonable cause, was unable to present himself/herself in the ordinary examinations may, with the special permission of Senate or in that behalf the College/ School/Institute Board as the case may be, present himself/herself for examination at a time fixed for any supplementary examination.

8 Conduct of Examinations

8.1 University examinations shall be conducted under the control of the Deputy Vice Chancellor (DVC) in charge of academics, or such other officer of the University as the DVC in charge of academics may appoint.

8.2 The examiners for University examinations shall be appointed by the Senate, in the manner it shall prescribe.

8.3 The DVC in charge of academics shall have power to issue such instructions, notes or guidelines to candidates, invigilators and examiners of University examinations as he/she shall deem appropriate for the proper, efficient and effective conduct of suchexaminations.

8.4 The instructions, notes or guidelines issued by the DVC in charge of academics under regulation 8.3 shall form part of and be as binding as these Regulations.

8.5 Subject to approval by the Senate, the Board of each College, School and Academic Institute shall make such internal examination regulations as are necessary for the proper conduct, management and administration of examinations in accordance with the specificrequirements of particular degree, diploma, certificate or other award programmes of the College, School or Academic Institute, as the case may be.

9 Academic dishonesty

9.1 In this Regulation:

(a) "Academic dishonesty" refers to any deliberate act or attempt, before, during and post examinations, whether through manual, digital, or technological means to gain unfair academic advantage, compromise the integrity of the examination process, falsify academic records, or undermine the credibility of the University's awards.

(b) "Unauthorized material" includes any written or printed material, functional or dysfunctional that is generally or specifically prohibited from being brought into the examination room; these include but not limited to cellular or mobile phones, watches, radios, radio cassette or other types of players, computers, soft drinks (except where water is permitted), electronic devices and alcoholic drinks and any other materials as may be specified from time to time by the DVC in charge of academics.

(c) "Unauthorized absence from examination" includes going out of the examination room, temporarily or otherwise, or staying out of the examination room for an unduly long period, without permission of the invigilator for the examination in question.

(d) "Cheating in examination" includes any form or kind of dishonesty or destruction or falsification of any evidence of irregularity.

(e) "Academic dishonesty" and "examination irregularity" shall have the same meaning and be used interchangeably.

(f) "Examination" shall mean and include individual and group assignments, tests, project papers, dissertations and University examinations administered through visual, oral, or written means, and any other approved form of examination.

(g) Words importing the masculine gender include the feminine.

(h) Words importing the feminine gender include the masculine.

(i) Words in the singular number include the plural and words in the plural number include the singular.

9.2 Academic dishonesty, during examination, shall include:

(a) plagiarism

(b) possession of unauthorized materials during examination;

(c) cheating or attempting to cheat by copying, receiving from, or giving assistance to another candidate;

(d) communicating with others inside or outside the examination room during the examination;

(e) impersonation or attempting to sit for an examination on behalf of another person;

(f) letting another person to sit for an examination on behalf of himself or herself;

(g) destruction, concealment, or falsification of evidence related to examination misconduct;

(h) causing disturbances or disruptions in or near the examination room,

(i) refusal to comply with examination regulations or invigilators' instructions, and

(j) any act during examination which undermines the integrity of or compromises university examination process.

9.3 Post-examination academic dishonesty shall include:

(a) unauthorized alteration, manipulation, or deletion of examination records in any official University record systems or database;

(b) tampering with, falsifying or fabricating scores, grades, transcripts, or certificates;

(c) collusion with University staff or third parties to unlawfully alter scores, grades, results, or Senate decisions;

(d) use of any digital technologies to access, modify, or fabricate examination data or records;

(e) unauthorized access to confidential examination-related information or systems;
(f) submission or use of forged or fraudulent academic documents;
(g) attempting to obtain academic recognition, employment, or professional registration based on falsified results or credentials,
(h) acts of digital sabotage or cyber intrusion into University examination systems, and
(i) any act or omission which undermines the integrity of or compromises university examination records.

9.4 All cases of academic dishonesty shall be reported to the Senate Undergraduate Studies Committee via the respective Department, Institute, School or College using duly filled irregularity form (UDSM-EI-01) or any other designated and approved tool or procedure for reporting.

9.5 For all reported cases, the Senate Undergraduate Studies Committee shall have powers to issue charges, summon and hear the students, graduates, members of staff of the University or any other person, as it deems necessary and appropriate, and make recommendations to Senate for decision.

9.6 Subject to decision of the Senate, any candidate found guilty of plagiarism or bringing unauthorized materials into the examination room or communicating with others inside or outside the examination room during the examination in any part of the examination process shall be deemed to have committed an examination irregularity and shall be discontinued forthwith from studies in the University.

9.7 Any candidate found guilty of cheating or attempting to cheat by copying, receiving from, or giving assistance to another candidate, impersonation or attempting to sit an examination on behalf of another person or letting another person to sit for an examination on behalf of himself or herself in relation to any part of the examination process shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year, and shall be discontinued from studies in the University.

9.8 Any candidate found guilty of causing disturbance in or near any examination room or destroys, conceals, or falsify any evidence related to examination misconduct or refuses to comply with examination regulations or invigilators' instructions, shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies in the University.

9.9 Any student, graduate, or other person found guilty of altering or attempting to alter examination records in any official University record systems or database without authorization shall have the altered records immediately nullified, be discontinued from studies or, if graduated, have the degree, diploma, or certificate revoked, be permanently barred from future enrolment at the University and be reported to relevant law enforcement agencies for possible prosecution under applicable cybercrime laws.

9.10 Any individual found guilty of falsifying, fabricating, or tampering with transcripts, certificates, or any other official academic documents or records shall be discontinued from the University, have any conferred awards withdrawn and face legal proceedings, where applicable.

9.11 Any student or graduate found guilty of colluding with University staff or third parties to unlawfully alter scores, grades, results, or Senate decisions on results shall be discontinued or have any conferred award revoked, be barred from future enrolment and be reported to relevant authorities for legal action. Staff member involved in the said collusion shall be subjected to disciplinary procedures under the Public Service laws and applicable University rules.

9.12 Any student, graduate, or other person found guilty of using any digital technologies to manipulate academic records, compromise examination systems, or falsify results or have unauthorized access to confidential examination-related information or systems or does digital sabotage or cyber intrusion into University examination systems shall be discontinued from studies or have the award revoked, be subjected to legal action in accordance with national cybercrime legislation, and be permanently barred from future enrolment at the University.

9.13 Any student or graduate found guilty of submission or use of forged or fraudulent academic documents or attempting to obtain academic recognition, employment, or professional registration based on falsified results or credentials shall be discontinued from studies or have the award revoked, be subjected to legal action in accordance with national laws.

9.14 Where irregularities are discovered after graduation, the University reserves the right to revoke the award and withdraw the certificate and transcript, publish the revocation in the University records and notify relevant professional bodies, employers, and authorities and pursue legal action against the offender.

9.15 The Senate may impose such a lesser penalty, which may not be specifically provided under this Regulation on a person found guilty of committing an examination Irregularity, depending on the gravity of the facts or circumstances constituting the offence, as the Senate may deem appropriate.

9.16 Any candidate found guilty of committing an examination irregularity and is aggrieved by the decision may appeal to the Senate in accordance with the provisions of regulation 18 and 19 of these Regulations.

9.17 This Regulation is not exclusive of kinds of academic dishonesty/examination irregularities, procedures to be followed by respective authorities in dealing with those irregularities, powers of the Senate and penalties to be imposed.

9.18 At all times, during handling of matters on academic dishonesty/examination irregularities, the University shall endeavor to comply with rules of natural justice.

9.19 Provisions of this regulations shall, *mutatis mutandis*, apply to all examinations conducted under the authority of the University, including those held in previous academic years.

10 Publication of Results

10.1 The provisional results of candidates in every examination, arranged in a manner as prescribed by Senate or, in that behalf, as provided under internal examination regulations of the relevant College, School or Academic Institute approved by Senate and not in conflict with these Regulations, shall be published by the Principal of the College or Dean/Director of the relevant School/Institute soon after the College, School or Academic Institute Board meeting but the results shall not be regarded as final until they are confirmed by Senate.

10.2 The results may be published on notice boards, newspapers, information systems or websites at the discretion of the relevant College/School/Institute. The anonymity of the student must be protected in publishing results e.g. using the student's registration number rather than names.

10.3 Examination results having been recommended by the College or School or an academic Institute Board to the Senate Undergraduate Studies Committee, the Committee shall approve the results and such approval shall have to be confirmed by the Senate.

10.4 Senate shall confirm the results of examinations for both Semesters at a time to be determined by Senate, which shall normally be at the end of the Second Semester.

10.5 Feedback on Coursework Assessment (CA) must be continuously provided to studentsand the cumulative CA marks must be shown to students before they sit for the University Examination. A copy of the students' CA marks must be submitted to the Head of Department at the same time.

11 Progress from Year to Year

11.1	(a)	Candidates who are full time students are required to pass a total minimum of 120 course credits in examinations in the academic year and attain a minimum overall GPA of 2.0 before proceeding to the following year of study.
	(b)	Candidates with PEX or Supplementary examination(s) shall proceed to the following year of study provided their GPA is 2.0 or above calculated on the basis of the minimum grades assigned to PEX and failed courses. The PEX and failed courses shall be cleared in the next

		available window. The maximum grade obtainable in a supplementary examination shall be the minimum passing grade, i.e. "C".
	(c)	Subject to Regulation 11.1(b), a student who has failed one or more courses may apply to the relevant College, School or Institute Board for permission to carry over the failed course or courses, provided that the course or courses are cleared within the prescribed maximum registration period. Such application shall be submitted not later than Friday of the fourth week after the commencement of the first semester of the subsequent academic year.
11.2	(a)	A candidate may be allowed to re-sit failed courses as supplementary examinations in the next available examination window of the subsequent academic year, provided that he or she has attained an overall projected GPA of 1.8 or above in the first sitting. The maximum grade obtainable in a supplementary examination shall be the minimum passing grade, i.e. "C".
	(b)	A candidate prescribed in regulation 11.2(a) shall not be permitted to progress to the next year of study until he/she has cleared supplementary examination(s) and obtained a GPA of 2.0 or above in line with regulation 11.1(a). A candidate who fails to obtain a GPA of 2.0 or above after supplementary examination(s) shall be discontinued from studies.

11.3 No candidate shall be allowed to repeat any year of study on academic grounds, except with special permission or approval of the Senate upon recommendation of a College, School or Academic Institute Board, and the Senate Undergraduate Studies Committee or a Constituent College Academic Board.

11.4 Carrying over of courses shall be guided by the following:

(a) Subject to Regulation 11.1(a - c), a candidate may be allowed to carry over flexibly into the subsequent academic years such number of failed courses as are requisite for the fulfilment of the requirement of passing a total minimum number of course credits for the programme in compliance with regulation 11.8. The minimum overall GPA shall be calculated in accordance with the credits weighting of the individual courses.

(b) Carrying over failed courses into subsequent years shall imply repeating the failed courses in the subsequent years by fulfilling all requirements of the course. The maximum grade for a carried over course shall be the minimum passing grade i.e. 'C'.

(c) Carryover of elective courses will only be allowed in exceptional circumstances, normally only when those credits are needed to comply with regulation 11.8.

(d) All carried over courses shall be cleared within the allowable maximum period of registration otherwise the student will be discontinued from studies. The maximum period of registration is five years for a programme that takes three years, six years for a four-year programme and seven years for a five-year programme.

11.5	(a)	All candidates with pending supplementary or special examinations or with incomplete courses shall be evaluated assuming they would score the maximum attainable grade in the pending examinations and shall be discontinued from studies if they would not obtain the required minimum GPA.
	(b)	The undertaking of special and supplementary examinations shall be tied to the maximum registration period for the programme. Failure to clear the course within the maximum registration period shall lead to discontinuation from studies.

11.6 A candidate with incomplete results for courses which could not be completed by the end of the year for acceptable reasons must complete the courses before he/she can be allowed to continue with studies of the following year.

11.7 Final year students who return to the University to clear a carryover or an incomplete shall pay tuition fees and relevant direct costs. Tuition fee shall be paid on a pro-rata basis depending on the number of course credits to be taken out of the annual 120 credits.

11.8 To qualify for a degree award, the cumulative total minimum number of course credits shall be a multiple of the minimum number of course credits required per academic year under regulation 11.1 for the duration of each degree programme. That is:

(a) For a three-year degree programme, such cumulative total minimum shall be 360 credits.

(b) For a four-year degree programme, it shall be 480 credits. For a five-year degree programme, it shall be 600 credits.

11.9 Provided that, subject to approval by the Senate, the internal examination regulations of a College, School or Academic Institute, shall provide for cumulative maximum number of course credits for which a candidate may register and take for credit.

12 Classification of Degrees

12.1 For purposes of the final classification of degrees and where applicable, a five-point system shall be used in averaging the final grades.

12.2 The letter grades will be assigned points as follows:

A	B+	B	C	D	E
5	4	3	2	1	0

12.3 Approved courses given for each degree shall be appropriately weighted in terms of credits.

12.4 To get the score for each course multiply the points, as in 12.2 by the weights, as in 12.3.

12.5 The total score for the degree shall be the total score for all countable courses constituting the minimum number of course credits for the degree, computed as in 12.4.

12.6 The Grade Point Average (GPA) for the degree shall be computed by dividing the total score in 12.5 by the total weight obtained under 12.3 and truncating down to one decimal point.

12.7 The final classification shall be as follows: First Class A (5.0-4.4); Upper Second Class B+ (4.3-3.5); Lower Second Class B (3.4-2.7); and Pass C (2.6-2.0).

12.8 Award of Honours Degree:

A degree with honours shall be awarded to a candidate obtaining a First or Second class upper division where the candidate has passed all examinations at first sitting; without supplementary examination or carry over in any particular academic year.

13 Classification of Diplomas

13.1 No diploma of the University shall be classified except with the special permission of Senate and recommendations of the Board of a relevant College, School or Academic Institute.

13.2 Where the Senate grants special permission for classification of a diploma, the provisions of regulation 12 shall apply subject to such necessary modifications, variations and conditions as the Senate may impose or prescribe.

14 Classification of Certificates

No certificate of the University shall be classified except with the special permission of Senate and upon recommendations of the Board of relevant College, School or Academic Institute and subject to such terms and conditions as the Senate may prescribe.

15 Award

15.1 The Board of Examiners in a College, School or Academic Institute, upon its satisfaction that the standard required under relevant regulations for the award of a degree, diploma, certificate or other award, as the case may be, has been attained by a candidate in University examinations applicable to him/her, may recommend to Senate through the relevant Board of a College, School or Academic Institute that such degree, diploma, certificate or other award be conferred upon or granted to such successful candidate.

15.2 The Senate may confer degrees and grant diplomas, certificates or other awards of the University on or to candidates who satisfy and are recommended in accordance with regulation 15.1 for such conferment or grant by, the Board of Examiners in a College, School or Academic Institute.

16 Certificates, Certification and Transcripts

16.1 The Senate shall issue certificates for degrees, diplomas, certificates or other award to such candidates as shall be declared to have satisfied the appropriate Board of Examiners and shall have been recommended to and approved by the Senate for the conferment or grant of such degree, diploma, certificate or other award.

16.2 A certificate shall be issued only once for the same degree or award.

16.3 Upon application for a transcript, a student or former student shall be given a transcript of his/her academic performance record. The transcript shall be charged a fee as the Council may from time to time prescribe. Any finalist student desirous of obtaining a transcript(s) shall submit an application for a transcript(s), a clearance form and one passport size photograph for the preparation of transcript(s).

16.4 The final grades of all courses taken by a student shall be entered in the transcript.

16.5 A student is required to verify the grades/information on his/her transcript/certificate before accepting it. Once taken, no certificate/transcript shall be returned for correction.

16.6 A fee payable as Council may from time to time prescribe shall be charged for certifying each copy of a degree certificate and academic transcript.

17 Loss of Certificate

In case of loss or total or partial destruction of the original certificate or a copy thereof, the final grades of all courses taken by a student shall be entered in the transcript. University (Office of the DVC in charge of academics or such other office as the DVC in charge of academic87ponsorshhorise in writing) may issue a copy or another copy on condition that:

(a) The applicant produces a sworn affidavit.

(b) The certificate so issued shall be marked "COPY" across it.

(c) The replacement certificate will not be issued until a period of 12 months from the dateof such loss has elapsed; except that such replacement may be issued within a shorter period where there has been partial destruction of the original certificate or of a copy thereof.

(d) The applicant must produce evidence that the loss has been adequately publicly announced with a view to its recovery in an officially recognized form or manner in the applicant's home country or where the loss is believed to have taken place.

(e) A fee as may be prescribed from time to time by Council shall be charged for the copy of certificate issued.

18 Appeals

18.1 Except where unfair marking, wrongful computation of marks or grades or other like irregularity committed in the conduct of any University examination is alleged, no appeal shall lie in respect of any such examination on any other ground.

18.2 Any appeals made under regulation 18.1 shall be lodged with the Board of the appellant's College, School or Academic Institute, which shall forward the appeal with observations to the Senate Undergraduate Studies Committee, whose observations and recommendation will be forwarded to Senate for approval.

18.3 Any student or candidate aggrieved by a decision of the Senate in terms of the provisions of regulation 9.4 may appeal to Senate for reversal or moderation of the decision.

18.4 Any member of the appellant's College, School or Academic Institute Board who participated in the making of the decision against which the appeal is lodged shall not have a voting right in the Senate over such an appeal and may participate therein only in terms of presentation of findings and recommendation of the appellant's College, School or Academic Institute Board or answering queries, as the case may be, and shall otherwise be absent from the Senate session considering any such appeal.

18.5 Appeals made under regulation 18.3 shall be lodged directly with the DVC in charge of academics who shall forward them to the Senate with observations and recommendations thereon.

18.6 Any person who has been involved at any stage in the processing of a case of alleged commission of an examination irregularity, whether at first instance or in preparation for the appeal, shall be barred from participation in the making of a decision over such a case, except for purposes of making a presentation of findings or recommendations or answering queries, as the case may be, in respect thereof and shall otherwise be absent from the Senate session considering any such appeal.

18.7 No appeal pertaining to the conduct of any University examination and the marking of scripts thereof shall be entertained unless an appeal is lodged with the appropriate University authorities in accordance with these regulations within one year from the date of publication of the results by or under the authority of the Senate.

18.8 No appeal will be considered where:

(a) The candidate appeals for re-marking of examination script but fails to establish reasonable grounds for prejudice, incompetence, or lack of integrity on the part of the internal examiner;

(b) It rises for the first time issues concerning the supervision, teaching or coursework assessment. Such matters will only be considered if they have been raised by the student promptly and in writing, at the time they first aros©or

(c) A student alleges illness or other factors but where s/he had an opportunity to postpone studies or examination(s) but voluntarily opted not to take that opportunity.

18.9 False claims of illness and/or the submission of false supporting medical or other documentation constitute an academic offence that will result in discontinuation from studies.

18.10 All appeals in an academic year shall be lodged soon after Senate's approval of results at the end of the academic year and shall be decided upon only once at the Senate schedule for the appeals.

18.11 A student may appeal to the Chairman of Senate against the decision of the Senate on his/ her appeal by lodging the appeal through the DVC in charge of academics. Such an appealshall only be entertained if it had at first been rejected by Senate and if the student presents new developments and/or grounds that were not and could not be made available to Senate.

18.12 The Chairman of Senate's decision on an appeal, which shall be reported to Senate, shall be final and conclusive and no further appeal shall be entertained regarding the same issue.

19 Appeal Fee

19.1 All appeals shall be accompanied by an appeal fee charged per decision or subject as the Council may from time to time prescribe.

19.2 The appeal fee shall not bereimbursed.

19.3 The same rates or any other rates as approved by relevant organs shall be charged for any further appeal decisions.

20 Disposal of Examination Answer Books and Other Scripts

20.1 Unless otherwise retained by UDSM Library for archival purposes, all used examination answer books can be destroyed after the expiry of 13 months following final decision of Senate on the examination concerned.

20.2 Heads of Departments concerned shall, with respect to examination answer books falling under their departments:

(a) Create and maintain adequate records of actions and transactions affecting examination answer books, ensure that those records are properly maintained while waiting for any appeal or final disposal;

(b) initiate the disposal procedures of those examination answer books for which there is no further need;

(c) initiate disposal of used examination answer books that have been stored by their departments for more than13 months following respective Senate decision;

(d) identify and safeguard those examination answer books which are of enduring value and which should be preserved as archives and made available to the Library for research and public consultation;

(e) assist the UDSM Library in selecting examination answer books designated for archiving purposes;

(f) seek expertise from UDSM Library to assist in the sampling answer books ear-markedfor archiving;

(g) designate a place or room as storage area for examination answer books awaiting appeals or final disposal;

(h) seek permission from the Vice Chancellor to dispose the examination answer books through Principals/Deans/Directors, Director of Undergraduate Studies and DVC in charge of academics. The request shall indicate the courses (including the sat session and academic year) whose scripts are to be destroyed; and

(i) witness and keep close control over final disposal of examination answer books to ensure the confidential nature of contents of answer books remainin violate.

20.3 Pending final disposal, Heads of Departments shall ensure all information contained in examination answer books remain inviolate and is protected from misuse or abuse.

20.4 (a) Respective College, School or academic Institute Boards shall be responsible for prescribing under their special regulations clear guidelines for returning to the students graded courses, assignments, course essays, term papers and timed essays.

(b) Unless otherwise retained for archival purposes, Departments shall also initiate the final disposal of such other examination scripts as essays, objective question papers, Laboratory works, models, studio papers or drawings that have been in retention or storage for the previous 13 months.

20.5 (a) The DVC in charge of academics shall cause to be prepared a disposal and storage budget and designate the cartons of various sizes or descriptions which shall be used by Heads of Departments for 13 months storage of examination answer books pending final disposal.

(b) The cartons prescribed under sub-paragraph (a) above shall be so marked or labelled as to facilitate identification of the course, examination date, date of Senate decision, course coordinator and date when final disposal shall be due.

20.6 The UDSM Library shall keep; maintain in any format including electronic, all answer books selected by departments and sent to the Library for archival purposes.

20.7 (a) The DVC in charge of academics shall select and announce the best available practice in disposing of the examination answer books due for disposal;

(b) Depending on such pertaining circumstances as privacy of information contained, cost involved and environmental considerations, the DVC in charge of academics may with respect to any batch due for disposal, direct:

(i) the disposal by shredding and then disposed of by either burning or selling to recycling companies to be reused in producing other paper materials; or

(ii) used examination papers be entirely burnt to completion.

20.8 The Vice Chancellor on recommendation of the DVC in charge of academics shall be the principal executive officer responsible to order final disposal of any batch of examination answer books.

20.9 (a) Heads of Departments shall witness final disposal of itemized examination answer books and signify the disposal.

(b) The report of Heads of Departments to the DVC in charge of academics through respective Principals/ Deans/Directors on disposal of examination answer books shall be accompanied with list of courses (including the sat session and academic year) whose scripts were destroyed.

21 Instructions to Candidates

21.1 These instructions should be read together with the above University regulations.

21.2 All students sitting for examinations shall be in possession of a valid Student ID card, which is to be placed on the top right-hand corner of the desk throughout the examinations for Invigilators to check. Students without their ID card shall not be permitted an entry to the examination room.

21.3 Candidates must acquaint themselves with the seating arrangement for their respective examinations in advance.

21.4 Candidates are advised to be at the examination centre at least fifteen minutes before the commencement of the examinations.

21.5 Candidates will be admitted by the invigilator to the examination room ten minutes before the time the examination is due to begin. Papers will be placed ready on the desks before they enter. They must not begin writing before they are told to do so by the Senior Invigilator. Where large numbers of candidates are affected, invigilators may admit candidates to the examination room fifteen minutes in advance. During these ten minutes the Senior Invigilator will:

(a) make an announcement to the effect that all unauthorized materials should be removed from the examination room;

(b) make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper;

(c) call attention to any rubric at the head of the paper which seems to require attention; and

(d) announce that both sides of the paper must be used. He/she will then tell students when they may begin writing. Candidates will be given a maximum of ten minutes to read the paper.

21.6 Candidates are not allowed to borrow or exchange items such as rulers, pens, pencils and calculators during the examination.

21.7 Candidates are permitted to do rough work on the scripts on the understanding that this is crossed through at the end of the examination.

21.8 Students who wish to leave the venue during an examination session must:

(a) first ensure that the answer book(s) and papers bear their registration numbers, degree programme and course code (even if no attempt has been made to answer any question); and

(b) raise a hand and wait for an invigilator; and leave only when the invigilator has signified his/her assent and accompanies the student.

21.9 No books, bags or attached cases may be taken by candidates into the room. Candidates are not normally allowed to use their own logarithmic tables. Candidates' attention is specifically drawn to General University Examination Regulation No. 9.1 to 9.3. Students should bring only permitted items to the examination, the University assumes no responsibility for personal property lost in or near any examination room.

21.10 Once a student is found with unauthorized materials, he/she should sign on the materials to confirm they are his or hers.

21.11 No candidate will be permitted to enter the examination room after the lapse of thirty minutes from the commencement of the examination and no candidate will be permitte to leave the examination room until thirty minutes have expired.

21.12 A student denied admission to the examination under regulations 21.2 and 21.11 may apply to the College/ School/Institute for a special university examination; such application shall, however, be subject to scrutiny of the veracity of the claim.

21.13 At the end of the examination period, and on instructions from the Invigilator, candidates must stop writing and assemble their scripts, which they should personally hand to the invigilator unless instructed otherwise. Candidates must remain seated till the Invigilator tells them to leave the room. Apart from the examination paper, candidates are not allowedto take any examination material out of the examination room.

22 Notes to Invigilators Before the Examination

22.1 University Examinations shall be invigilated by persons other than course instructor.Course instructors shall only be allowed in the examination room in the first ten minutes to provide clarifications on the examination questions, ifany.

22.2 Invigilators should be present in the examination room at least twenty minutes before the commencement of the examination.

22.3 Invigilators will be provided with the following items by the Departmental (School for non-departmentalised schools) Examinations Officer:

(a) The question papers to be attempted bycandidates.

Note: Sealed envelopes containing question papers must be personally collected by eachinvigilator from the said Examinations Officer at least twenty minutes before the examination. All invigilators who have reported to the Examinations Officer within this period should immediately proceed to their respective examination room.

(b) A list showing the names of the papers to be attempted in the room (This will be distributed to invigilators in advance).

22.4 Invigilators must ensure that ONLY ONE answer book is provided for each candidate unless the rubric on the question paper requires otherwise. The answer book must be filled before any additional paper is provided.

22.5 Question papers and any other material prescribed in the rubric (e.g. log-tables, charts etc.) should be set out by the invigilator with the help of the Internal Examiner

22.6 Candidates must write their registration numbers and degree programmes on the coverpage of the answer book before they start to write the examination.

22.7 Food, drinks (except where water is p–rmitted - see below), cigarettes, laptops, recording or playback devices, and other electronic communication devices such as a cell or smartphones, bags, purses, hats, books attached cases, papers and other related items are not permitted in the examination room. The University assumes no responsibility for personal property lost in or near any examination room.

22.8 Students with approved health conditions may bring (transparent) bottled water into the examination room. Such students will have to be seated away from other students to avoid accidental spillage.

22.9 Invigilators should admit candidates to the examination room ten minutes before the commencement of the examination and they should ensure that they take the right places. Where big numbers of candidates are involved, invigilators may admit candidates to the examination room fifteen minutes in advance.

* Invigilators are requested to stick to this arrangement. During these ten minutes, the invigilator should:

(a) make an announcement to the effect that unauthorized materials are not allowed in the examination room;

(b) make an announcement to the effect that candidates should satisfy themselves that theyare in possession of the correct paper;

(c) call attention to any rubric at the head of the paper which seems to require attention; and
(d) Announce that, where this is practicable, both sides of the paper must be used. He/she should then tell students when they may begin writing. Candidates will normally be allowed a maximum of ten minutes to read the paper.

22.10 It is mandatory for all students sitting examinations to be in possession of a valid Student ID card, which is to be placed on the top right-hand corner of the desk throughout the examination for Invigilators to check. Students without their ID card shall not be permitted entry to the examination room, and shall be directed to the ID Office to obtain a valid ID card.

22.11 Invigilators should not admit candidates to the examination room after half an hour fromthe commencement of the examination and should not permit them to leave the room until thirty minutes have expired.

During the Examination

22.12 At the commencement of the examination, invigilators should remind candidates to ensurethat they are attempting the right examination paper.

22.13 At the end of the first half hour the total numbers present should be noted down. Invigilators should then collect the blank answer-books from all vacant places. Spare question papers should be returned to the correct envelopes for collection by the Internal Examiner. It isat this time that candidates should start to sign the examination attendance sheet. During the exercise, invigilators should also make sure that the photo on the candidate's ID card matches the candidate's face and that the registration number on the ID card is the same asthe one written on the answer book.

22.14 Invigilators should minimize announcements during the examination.

22.15 An invigilator shall not allow candidates to borrow or exchange items such as rulers, pens, pencils and calculators during the examination.

22.16 During the examination, invigilators should ensure that candidates are provided with any additional requirements (e.g. scripts, blotting-paper, log-tables etc.). All rough work mustbe done in the Answer Book and crossed through.

22.17 No candidate should be permitted to leave his/her place during the examination except to leave the examination room.

22.18 A candidate may, with the permission of the Invigilator, leave the examination room briefly only if accompanied by an assigned assistant Invigilator. Candidates will not be readmitted to the examination room after they have left the examination room unless, during the fullperiod of their absence, they have been under approved super vision.

22.19 Permission to leave the examination room shall be granted in exceptional circumstancesas invigilators are expected to remind candidates to go for short calls before they enter the examination room.

22.20 A candidate who contravenes the regulations and instructions governing the examinations, especially by unfair practices such as copying from or communicating with other candidates shall be reported immediately to the Examinations Officer.

22.21 Once a student is found with unauthorized materials, the invigilator should ask the student to sign on the materials to confirm that they are his/hers. PROVIDED that where a candidate/student refuses to sign on the material, the examination officer shall request another invigilator to witness and counter sign stating the candidate has refused to sign the material.

22.22 The candidate shall be informed that he/she has contravened the regulations and that he/she has been reported, but shall not be prevented from continuing with his/her paper. A written report must be sent to the Head of Department, through the Examinations Officer, including full details of the contravention. It is part of the invigilator's duty to move about the examination room as quietly as possible at frequent intervals.

22.23 Invigilators shall have the power to confiscate any unauthorized book, manuscript or other aid brought into the examination room and to expel from the examination room any candidate who creates a disturbance. They shall report to the Examinations Officer any case of a candidate suspected of giving or obtaining unauthorized assistance or of attempting to do so, and that officer shall have power to take any further steps he/she may consider necessary. He/she shall then report the matter to the DVC in charge of academics.

22.24 Cases of illness during examination should be reported to the Examination Officers as soon as possible for assistance.

At the End of the Examination

22.25 Invigilators shall not permit candidates to leave their places before their scripts have been collected. Candidates who wish to leave the examination room before the end of the examination shall hand over their scripts to the invigilator before leaving the examination room. At ten minutes before the conclusion of the examination period, the Invigilator shall announce the time remaining. Candidates may not leave their seats in the examination room after this time (except in case of emergency) until all papers have been collected. At the end of the examination period, invigilators shall instruct the candidates to stop writing and then collect all the scripts.

22.26 Invigilators shall enter the number of examination scripts collected from the candidates on the attendance sheet provided by the Examination Officer at the time of collecting the examination papers. Invigilators shall sign the said attendance sheet before they handover all the scripts to the Internal Examiners (or their deputies) that must be present inthe examination room at the end of the examination. On receipt of the scripts, Internal Examiners will check them and countersign on the collection form. The attendance sheets must be handed to the Examinations Officer at the end of each session.

22.27 Invigilators shall hand over all extra examination papers and answer books to the Head ofthe relevant Department.

23. General Notes and Instructions

23.1 Internal Examiners (or their deputies) are required to attend in the examination room sat the commencement of each period to assist the invigilators and to collect the scripts. Instructions, which the examiners (or their deputies) may wish to be given, should be announced by the invigilators.

23.2 The Use of Calculators in Examinations:

(a) Any calculator permitted to be taken into an examination must be hand-held, self-powered and noiseless. It must not make use of an audible alarm or facilitiesfor 'wireless' transmission or reception of information.

(b) For examinations with College/School/Institute approved (standard) calculators, the examination invigilator will ensure that only the specified calculator is used for the examination; otherwise, the instructors are responsible for ensuring that only the calculators they have specified are brought into the examination room.

(c) If a range of calculators is allowed in a test or examination, consideration be given to ensure fairness by setting a test or examination which takes into account the differing capabilities of the calculators.

23.3 "Examinations Officer" includes the Examination Officer's deputies.

BURSARIES AND FEES

At the beginning of the academic year, all students will be required to produce evi93ponsorshipposorship by the Government or any other organizations, otherwise they will be expected to pay full tuition and University fees (or the portion not covered by the sponsor) by the beginning of the term/semester before they can be permitted to use the University facilities. All local payments for fees should be paid by using control numbers obtained through the University Students' Academic Registration Infromation System (ARIS) accounts. Payment using the control numbers can be made at the nearest bank or mobile money.

All payments must be receipted.

Tuition Fees for Tanzanians and International Students

S/N	Programme	Tanzanians (TZS)	International Students (TZS)
College of Information and Communication Technologies			
1	BSc Business Information Technology	1,500,000	9,275,000
2	BSc Computer Engineering and Information Technology	1,500,000	9,275,000
3	BSc Computer Science	1,500,000	9,275,000
4	BSc Electronics Engineering	1,500,000	9,275,000
5	BSc Telecommunications Engineering	1,500,000	9,275,000
College of Humanities			
1	BA History and Archives Management	1,000,000	5,565,000
2	BA Art and Design	1,000,000	5,565,000
3	BA Education (Shared with CoSS)	1,000,000	5,565,000
4	BA Film and Television	1,000,000	5,565,000
5	BA Heritage Management	1,000,000	5,565,000
6	BA Language Studies	1,000,000	5,565,000
7	BA Music	1,000,000	5,565,000
8	BA Theatre Arts	1,000,000	5,565,000
9	BA Literature	1,000,000	5,565,000
10	BA Philosophy and Ethics	1,000,000	5,565,000
11	Bachelor of Arts in Religious Studies	1,000,000	6,015,500
12	BA Literary and Publishing Studies	1,000,000	6,015,500
13	BA Archaeology	1,300,000	7,155,000
14	BA Archaeology and Geography	1,300,000	7,155,000
15	BA Archaeology and History	1,300,000	7,155,000
16	BA Diplomatic and Defence Studies	1,300,000	7,155,000
17	BA Communication Studies	1,300,000	7,155,000
18	BA History, Cultural Heritage Management and Tourism	1,300,000	7,155,000
College of Social Sciences			
1	BA Anthropology	1,000,000	5,565,000
2	BA Psychology	1,000,000	5,565,000
3	BA Library and Information Studies	1,300,000	7,155,000
4	BA Political Science and Public Administration	1,300,000	7,155,000
5	Bachelor of Social Work	1,300,000	7,155,000
6	BA Sociology	1,300,000	7,155,000

S/N	Programme	Tanzanians (TZS)	International Students (TZS)
7	BSc Statistics	1,300,000	7,155,000
8	BA Politics and International Relations	1,300,000	7,155,000
9	BA Urban and Rural Development	1,800,000	10,653,000
10	BSc Environmental Assessment and Natural Resource Management	1,800,000	10,653,000
11	BSc Geographical Information Systems and Remote Sensing	1,800,000	10,653,000
College of Natural and Applied Sciences			
1	Bachelor of Science in Chemistry	1,300,000	6,750,000
2	Bachelor of Science in Molecular Biology and Biotechnology	1,300,000	6,750,000
3	Bachelor of Science in Wildlife Science and Conservation	1,300,000	6,750,000
4	Bachelor of Science with Education	1,300,000	6,750,000
5	Bachelor of Science in Actuarial Sciences	1,300,000	6,750,000
6	Bachelor of Science in Applied Zoology	1,300,000	6,750,000
7	Bachelor of Science in Microbiology	1,300,000	6,750,000
8	Bachelor of Science in Meteorology	1,300,000	6,750,000
9	Bachelor of Science in Petroleum Chemistry	1,300,000	6,750,000
10	Bachelor of Science and Mathematics and Statistics	1,300,000	6,750,000
11	Bachelor of Science in Chemistry and Physics	1,300,000	6,750,000
12	Bachelor of Science in Applied Microbiology and Chemistry	1,300,000	6,750,000
13	Bachelor of Science in Physics (Medical Physics)	1,800,000	10,050,000
College of Engineering and Technology			
1	BSc Mathematics and Statistics	1,300,000	7,155,000
2	BSc Applied Microbiology and Chemistry	1,300,000	7,155,000
3	BSc Actuarial Sciences	1,300,000	7,155,000
4	BSc Zoology	1,300,000	7,155,000
5	BSc Plant Health and Protection	1,300,000	7,155,000
6	BSc Agricultural Biotechnology	1,300,000	7,155,000
7	BSc Plant Conservation and Taxonomy	1,300,000	7,155,000

S/N	Programme	Tanzanians (TZS)	International Students (TZS)
8	BSc Industrial Biotechnology	1,300,000	7,155,000
9	BSc Medical Biotechnology	1,300,000	7,155,000
10	BSc Chemistry	1,300,000	7,155,000
11	BSc Meteorology	1,300,000	7,155,000
12	BSc Petroleum Chemistry	1,300,000	7,155,000
13	BSc Chemistry and Physics	1,300,000	7,155,000
14	BSc Wildlife Science and Conservation	1,300,000	7,155,000
15	BSc Education	1,300,000	7,155,000
16	BSc Physics (Medical Physics)	1,800,000	10,653,000
College of Agriculture and Food Technology			
1	BSc Agricultural and Natural Resources Economics and Business	1,300,000	7,155,000
2	BSc Agricultural Engineering and Mechanisation	1,300,000	7,155,000
3	BSc Bee Science and Technology	1,300,000	7,155,000
4	BSc Crop Science and Technology	1,300,000	7,155,000
5	BSc Food Science and Technology	1,300,000	7,155,000
Mbeya University College of Health and Allied Sciences			
1	Doctor of Medicine	1,800,000	15,030,000
2.	Doctor of Dental Surgery	1,800,000	15,030,000
School of Education			
1	BEd Early Childhood Education	1,000,000	5,565,000
2	Bachelor of Sport Sciences and Physical Education	1,000,000	5,565,000
3	Bachelor of Lifelong Learning and Community Development	1,000,000	5,565,000
4	Bachelor of Commerce with Education	1,000,000	5,565,000
UDSM Business School			
1	Bachelor of Business Administration (Evening)	1,300,000	7,155,000
2	BCom Banking and Financial Services	1,300,000	7,155,000
3	BCom Human Resources Management	1,300,000	7,155,000
4	BCom Marketing	1,300,000	7,155,000

S/N	Programme	Tanzanians (TZS)	International Students (TZS)
5	BCom Tourism Management	1,300,000	7,155,000
6	BCom Procurement and Supply Chain Management	1,300,000	7,155,000
7	Bachelor of Business Administration in Procurement and Logistics Management (Evening)	1,300,000	7,155,000
8	BSc Finance	1,500,000	7,155,000
9	BCom Accounting	1,500,000	9,275,000
10	BBA Accounting and Finance (Evening)	1,500,000	8,750,000
11	BCom Auditing and Forensic Accounting	1,500,000	8,750,000
UDSM School of Law			
1	Bachelor of Arts in Law Enforcement	1,300,000	7,155,000
2	Bachelor of Laws (LLB)	1,500,000	9,831,500
School of Journalism and Mass Communication			
1	Bachelor of Journalism and Media Studies	1,300,000	7,155,000
2	BA Mass Communication and Multimedia Studies	1,300,000	7,155,000
3	BA Public Relations and Strategic Communication	1,300,000	7,155,000
School of Aquatic Sciences and Fisheries Technology			
1	BSc Aquatic Environmental Sciences and Conservation	1,300,000	7,155,000
2	BSc Aquaculture and Technology	1,300,000	7,155,000
UDSM School of Economics			
1	BA Economics	1,300,000	7,155,000
2	BA Economics and Statistics	1,300,000	7,155,000
School of Mines and Geosciences			
1	BSc Petroleum Engineering	1,300,000	7,155,000
2	BSc Metallurgy and Mineral Processing Engineering	1,300,000	7,155,000
3	BSc Mining Engineering	1,300,000	7,155,000
4	BSc Engineering Geology	1,300,000	7,155,000
5	BSc Geophysics	1,300,000	7,155,000
6	BSc Geology with Geothermal Resources Exploration	1,300,000	7,155,000
7	BSc in Geology	1,300,000	7,155,000
8	BSc with Geology	1,300,000	7,155,000
9	BSc Geology with Petroleum Resources	1,300,000	7,155,000

S/N	Programme	Tanzanians (TZS)	International Students (TZS)
Institute of Kiswahili Studies			
1	BA Kiswahili	1,000,000	5,565,000
2	BA Kiswahili (Tafsiri na Ukalimani)	1,000,000	5,565,000
Institute of Development Studies			
1	BA Development Studies	1,000,000	5,565,000
Institute of Marine Sciences			
1	BSc Marine Sciences	1,300,000	7,155,000
2	BSc Oceanography	1,300,000	7,155,000
Dar es Salaam University College of Education			
1	BA Education	1,000,000	5,565,000
2	BSc Education	1,300,000	7,155,000
3	BA Disaster Risk Management	1,300,000	7,155,000
4	BA Economics	1,300,000	7,155,000
5	BA Political Science and Public Administration	1,300,000	7,155,000
Mkwawa University College of Education			
1	BA Education	1,000,000	5,565,000
2	BA Translation and Interpretation	1,000,000	5,565,000
3	BA Literary Studies and Creative Writing	1,000,000	5,565,000
4	BSc Chemistry	1,300,000	7,155,000
5	BSc Education	1,300,000	7,155,000
6	BSc Environmental Health and Sustainability	1,300,000	7,155,000
7	BSc Climate Change and Natural Resources Management	1,300,000	7,155,000
8	BSc Chemical Sciences	1,300,000	7,155,000
9	BSc Food Biotechnology	1,300,000	7,155,000
10	BA Historic Archives and Heritage Studies	1,300,000	7,155,000
11	BSc Data Science and Artificial Intelligence	1,500,000	9,275,000
Institute of Gender Studies			
1	BA Gender Studies and Community Development	1,000,000	5,565,000
University of Dar es Salaam Confucius Institute			
1	BA Education (Chinese and English Language)	1,000,000	7,155,000

Key to abbreviations used in this prospectus

CoSS	College of Social Sciences
CoHU	College of Humanities
SJMC	School of Journalism and Mass Communication
UDBS	University of Dar es Salaam Business School
SoAF	School of Aquatic Sciences and Fisheries Technology
SoED	School of Education
SoMG	School of Mines and Geosciences
CoET	College of Engineering and Technology
UDSE	University of Salaam School of Economics
UDSoL	University of Dar es Salaam School of Law
MCHAS	Mbeya College of Health and Allied Sciences
CoAF	College of Agricultural Sciences and Food Technology
CoNAS	College of Natural and Applied Sciences
CoICT	College of Information and Communication Technologies
DUCE	Dar es Salaam University College of Education
MUCE	Mkwawa University College of Education
IKS	Institute of Kiswahili Studies
IMS	Institute of Marine Sciences
IDS	Institute of Development Studies
IGS	Institute of Gender Studies
UDSM - MRI	University of Dar es Salaam Mineral Resources Institute
Library	University of Dar es Salaam Library

In addition to the tuition fee each student (regardless of sponsorship or the Means Testing Grade) MUST pay the following approved Direct University Costs:

Direct University Costs (Payable to the University)

SN	Direct Service Item	Direct Cost Charges Tanzanian Nationals (TZS)	Direct Cost Charges Non- Tanzanian Nationals (TZS)
1.	Application Fee		132,500
2.	Graduation charges (Payable Once)	50,000	106,000
3.	Students IDs	15,000	21,200
4.	Registration charges (Per Registration)	10,000	13,250
5.	ICT Services/ICT Development charges	20,000	26,500
6.	Examination charges	15,000	39,750
7.	Library services cost		21,200
8.	Sports Services		13,250
9.	Medical Capitation Fee	50,400	50,400
10.	Student Union Fee	5,000	39,750
11.	TCU Quality Assurance Fee	20,000	26,500
Total		**185,400**	**490,300**

Direct Students' Costs (Payable Directly to Students)

Item	Cost (TZS)
Books and Stationery Allowance*	200,000
Meal and Accommodation Allowance*	2,470,000
Total	**2,670,000**

*Advisory only, more may be required; paid annually

In addition, students are required to have sufficient funds to cater for special College/School requirements. Such requirements may be in the form of boots, overalls, compass set, drawing board, track suits, gloves, masks etc. as well as funds for industrial/practical training or teaching practice depending on the programme. Applicants are urged to consult the latest University prospectus for specific requirements by their Colleges/Schools or consult the Colleges/ Schools for more details, including indicative cost implication. Students also need to have separate funds to cater for stationery, books, meals and accommodation.

ACCOMMODATION RATES

Campus Halls/Hostels
TZS. 850.00 per student per day × 119 days per each semester (Undergraduate Students)

Off Campus Halls/Hostels
TZS. 600.00 per student per day × 119 days per each semester (Undergraduate Students)

Accommodation Caution Money
TZS. 10,000/= payable once during the first year for the main campus but an extra TZS. 10,464.46 per month or TZS. 41,860.00 per semester will be charged when the University provides additional facilities like refrigerators, cookers, etc.

PRACTICAL TRAINING
Those who will register for courses listed below will have to take practical training for the duration, location and timing as indicated. Equipment and materials will be procured by College/Schools and distributed to students.

Practical Training/Field Research

Code	Duration	Location	Timing	Remarks
College of Natural and Applied Sciences				
BL 303	1 week	Mikumi	August	Field Course
BL 399	Throughout	DSM	December	Dissertation
BN 205	*8weeks	Various	June	Field Course
CH 314	Throughout	DSM	December	Dissertation
EV 300	Throughout	DSM	December	Dissertation
MC 2nd Yr	*8weeks	Various	June	
MT 399	Throughout	DSM	December	Dissertation
PH 369	Throughout	DSM	December	Dissertation
PH 210	*8weeks	ORCI	June	Field Report
PH 310	*8weeks	ORCI	June	Field Report
WS 100	*8weeks	Various	June	
WS 200	*8weeks	Various	June	
School of Mines and Geosciences				
GY 265	4 weeks	Various	June	
GY 355	4 weeks	Various	June	
GY 485	4 weeks	Various	June	
PT 1	*8 weeks		June	
PT 2	*8 weeks	Various	June	
PT 3	*8 weeks	Various		
PT 2nd Yr	*8 weeks	Various	June	Field Report
College of Information and Communication Technologies				
ES 140	*8 weeks	Various	June	
ES240	*8 weeks	DSM	December	Dissertation
ES 335	Throughout	Various	June	

Code	Duration	Location	Timing	Remarks
IS 1st Yr IS 2nd Yr	*8 weeks	Various	June	
IS 335	Throughout	DSM	December	Dissertation
College of Engineering and Technology				
CP 499	Throughout	DSM	October	Dissertation
CS 499	Throughout	DSM	October	Dissertation
DP 499	Throughout	DSM	October	Dissertation
EN 499	Throughout	DSM	October	Dissertation
MM 499	Throughout	DSM	October	Dissertation
PD 499	Throughout	DSM	October	Dissertation
PT 1	*8 weeks		June	
PT 2	*8 weeks	Various	June	
PT 3	*8 weeks	Various		
SD 499	Throughout	DSM	June	Dissertation
TE 499	Throughout	DSM	October	Dissertation
TR 499	Throughout	DSM	October	Dissertation
WR 499	Throughout	DSM	October	Dissertation
College of Agricultural Sciences and Food Technology				
AP 200	*8 weeks	Various	June	Field Report
AP 300	*8 weeks	Various	June	Field Report
FS 200	*8 weeks	Various	June	Field Report
FS 306	*8 weeks	Various	June	Field Report
FS 413	*8 weeks	Various	June	Field Report
AM 200	*8 weeks	Various	June	Field Report
AM 300	*8 weeks	Various	June	Field Report
AM 400	*8 weeks	Various	June	Field Report
PT 2nd Yr	*8 weeks	Various	June	Field Report
AV 200	*8 weeks	Various	June	Field Report
AV 300	*8 weeks	Various	June	Field Report
AV100	*8 weeks	Various	June	
AF 100	*8 weeks	Various	June	
AF399	Throughout	DSM	December	
AP 399	Throughout	DSM	October	Research Report
FS 412	Throughout	DSM	October	Research Report
AM 498	Throughout	DSM	October	Research Report
AM 499	Throughout	DSM	October	Research Report
EC 384	Throughout	DSM	October	Research Report
AV 399	Throughout	DSM	October	Research Report
AT 399	Throughout	DSM	October	Research Report
College of Social Sciences				
GE 230	3 weeks	Mbeya	January	Dissertation
GE 399	3 weeks	Various	January	Dissertation

Code	Duration	Location	Timing	Remarks
P S 399	3 weeks	Various	January	Dissertation
P T 2nd Yr	3 weeks	Various	June	
SO 399	3 weeks	Various	January	Dissertation
S T 218	3 weeks	Various	January	Dissertation
University of Dar es Salaam School of Economics				
S T 218	3 weeks	Various	January	Dissertation
EC 374	3 weeks	DSM	January	Dissertation
College of Humanities				
FP 303	3 weeks	DSM	January	Field Report
FP 305	3 weeks	DSM	January	Theatre Production
FP 351	3 weeks	Various	January	Field Report
PT 2nd Yr	8weeks	Various	June	Field Report
AY 120	8weeks	Various	June	Field Report
AY 220	8weeks	Various	June	Field Report
AY230	8weeks	Various	June	Field Report
University of Dar es Salaam School of Law				
LW 305	*8 weeks	Various	January	Dissertation
School of Aquatic Sciences and Fisheries Technology				
AQ 200	*8 weeks	Various	June	Field Report
AQ 300	*8 weeks	Various	June	Field Report
University of Dar es Salaam School of Education				
CT 101	* 8 weeks	Various	June	
CT 202	* 8 weeks	Various	June	
CT 301	* 8 weeks	Various	June	
FE 499	* 8 weeks	Various	January	Dissertation
GS 211	8 Weeks	Various	June	Field Report
GS 311	8 Weeks	Various	June	Field Report
University of Dar es Salaam Business School				
**BM 333	* 8 weeks	Various	PT Session	
Mbeya College of Health and Allied Sciences				
EF 200	3 weeks	Various	September	Research Report
MD 300	3 weeks	Various	September	Research Report
MC 400	8 weeks	Various	August	Field Report (Dispensary, Health Center and DMO)
ME 400	Throughout	Various	January	Research Report

Special College/School Requirements

College/School	Programme	Items
CoET	First Year	Rapid Fine-line Mech. Pencil 0.5 Profile Drawing Board A3 Compass Set (2) Convex Triangular Reduction Scale Bupmester Curve Set (3) Radious/Nuts Template Geometry Set Workshop Overalls and Boots
SoED	CT 200	Teaching and Learning Aids, Manila Papers (Al) Transparencies, Felt Pens, Marker Pens, Office Glue, Cello Tape, Blank Audio Cassettes, Plywood/Ceiling Boards, Wood Glue, Nails, Paint, Abrasive Paper, Brush, Softwood, Electric Cable, Connecting Clips
	PE 10 2	Track Suits, Shorts, T-Shirts, Soccer Boots, Swimming Costumes
	BEd (Sc.) 1	Laboratory Coat, Gloves, Dissecting Kit, Protective Eye Glasses, Mouth Masks
	BEd (Sc.) 2	Gloves, Mouth Masks
	BEd (Sc.) 3	Gloves, Mouth Masks
	BEd (Sc.) 4	Gloves, Mouth Masks
CoNAS	BSc (ChemPhys)1: BSc (ApplMicChem)1	Laboratory Coat, Gloves, Dissecting Kit, Protective Eye Glasses, Mouth Masks
	BSc (ChemPhys) 2: BSc (ApplMicChem) 2	Gloves, Mouth Masks
	BSc (ChemPhys) 3; BSc (AppMicChem) 3	Gloves, Mouth Masks
	BScEd1	Laboratory Coat, Gloves, Dissecting Kit, Protective Eye Glasses, Mouth Masks
	BScEd2	Gloves, Mouth Masks
	BScEd3	Gloves, Mouth Masks
	BScEd4	Gloves, Mouth Masks
	BSc (Elect) l	Tem plate Set
	BSc (Elect) 2	Laboratory Coat Electronic Tool Kit
	BSc (Elect) 3 BSc (Gen) 2	Electronic Tool Kit, Laboratory Coat, Electronic Component Kit
	BSc (WS)3	Gum Boots, Rubber Shoes Rain Coat, Gloves
	BSc (Wild)1	Laboratory Coat, Glove Dissecting Kit, Protective Eye Glasses, Mouth Mask Gum Boots, Rubber Shoes, Rain Coat
	BSc (Wild) 2	Gloves, Mouth Masks
	BSc (Mol.)	Laboratory Coat, Gloves Laboratory, Timer, Protective Eye Glasses, Mouth Masks
	BSc (MB) 2	Gum Boots, Swimming Costumes, Gloves

College/School	Programme	Items
	BSc (MB) 2	Gum Boots, Swimming Costumes, Gloves
	BSc (MB) 3s	Gloves
	BSc (WE) 2	Gum Boots, Rubber Shoes, Rain Coat, Gloves
	BSc (Comp.) 1	1 Template Set
CoHU	BA (FPA)	Water and Oil Colors, Paint Brushes, Canvases, Laboratory Coats, Truck Suits, Theatre Costumes, Digital Video Cameras, Professional Light Kits, Sound Kits, Editing Software and Hardware, DVDs
UDSoL	LLB 1	Basic Teaching Materials
Note: For PE 203, 305 and PE 4th Year, Special School Requirements acquired in the 1st Year should be used in subsequent years. For students in CoNAS, non –consumable items acquired in the 1st Year should be used in subsequent years.		
CoET	EG 110, 111, 112, 113, 114, 115, 116, 117	Blue Overall, Blue Dust Coat Blue Jungle Hats, Light Blue L/S Shirt, Industrial Boots
	EG 101	Rapid Fine-Line Mech. Pencil 0.5, Profile Drawing Board A3, Compass Set (2) Convex Triangular Reduction Scale, Bupmester Curve Set (3) Radius /Nuts Template Geometry Set
SoED	CT 200	Teaching and Learning Aids, Manila Papers (Al), Transparencies Felt Pens, Marker Pens, Office Glue, Cello Tape, Empty Audio Cassettes, Plywood/Ceiling Board, Wood Glue Nails Paint Abrasive Papers, Brush, Soft Wood, Electric Cable, Connecting Clips
	PE 102	Track Suits, Shorts, T-shirts, Soccer Boots, Swimming Costumes
	BEd (Sc.) 1st and 2nd Year	Laboratory Coats, Gloves, Dissecting Kits, Protective Eye Glasses, Mouth Masks
CoAF	BSc FST 1st Year	Laboratory Coats, Laboratory Gloves (box), Protective Eye Glasses, Mouth Masks
	BSc FST 3rd Year	Laboratory Coats, Laboratory Gloves (box), Protective Eye Glasses, Mouth Masks
	BSc BST 1st Year	Bee Overall, Bee Gloves, Bee Veil + Hat, Gum Boots, Laboratory Coats, Laboratory Gloves (box), Mouth Masks
	BSc BST 2nd Year	Laboratory Gloves (box), Dissecting Kits
	BSc AEM	Workshop Blue Overalls, Workshop Boots, Workshop Blue Dust Coats, Light Blue L/S Shirts, Blue Jungle Hats
	BSc AMC	Lab Coats, Gum Boots, Rain Coats, Boiler Suits
SoAF	BSc ASF 1st Year	Laboratory Coat, Gloves Dissecting Kitss, Protective Eye Glasses, Face Masks, Snorkel and Masks, Rubber

College/School	Programme	Items
		Shoes, Rain Coats
	BSc ASF 2nd Year	Gloves, Mouth Masks
MCHAS	MD Programme 1st Year	Laboratory White Coats, Gloves, Anatomical Models, Preserved Human Cadavers, Audiovisual Insitruments, Stethoscope, Face Masks, Dissection Kits, Surgical Blades
Note: PE 203, PE 305 and PE 4th Year Special School Requirements acquired in the first year should be used in subsequent years		

Key:

CoAF	College of Agricultural Sciences and Food Technology
CoET	College of Engineering and Technology
CoHU	College of Humanities
CoICT	College of Informatics and Communication Technologies
CoNAS	College of Natural and Applied Sciences
CoSS	College of Social Sciences
UDBS	University of Dar es Salaam Business School
SoED	School of Education
UDSoL	University of Dar es Salaam School of Law
SJMC	School of Journalism and Mass Communication
SoAF	School of Aquatic Sciences and Fisheries Technology
MCHAS	Mbeya College of Health and Allied Sciences
IMS	Institute of Marine Sciences

REGULATIONS GOVERNING AWARD OF UNDERGRADUATE DEGREES PROGRAMMES AND COURSES OFFERED BY COLLEGES / SCHOOLS / INSTITUTES

COLLEGE OF AGRICULTURE AND FOOD TECHNOLOGY (CoAF)

INTRODUCTION

The College of Agriculture and Food Technology (CoAF) comprises four departments namely: Crop Sciences and Beekeeping Technology, Agricultural Economics and Business, Agricultural Engineering, and Food Science and Technology.

Degrees Offered by the College

The College offers the following three-year undergraduate degree programmes:

(i) Bachelor of Science in Bee Science and Technology (BSc BST);
(ii) Bachelor of Science in Crop Science and Technology (BSc CST);
(iii) Bachelor of Science in Agricultural and Natural Resources Economics and Business (BSc ANEB).

The College also offers the following four-year undergraduate degree programmes:

(i) Bachelor of Science in Agricultural Engineering and Mechanization (BSc AEM);
(ii) Bachelor of Science in Food Science and Technology (BSc FST).

In addition, the College has study programmes leading to the following higher degrees:

(i) Master of Science (MSc) by thesis only and by coursework and dissertation;
(ii) Doctor of Philosophy (PhD) by thesis only and by coursework and dissertation

University wide regulations governing postgraduate degrees will apply.

Entry Qualifications for Admission

Bachelor of Science in Agricultural Engineering and Mechanisation

Direct entry (Form VI) Qualifications: Two Principal passes in Mathematics and Physics.

Equivalent Qualifications: Diploma in relevant fields of technical education (NTA 6) such as Diploma in Civil Engineering, Mechanical Engineering, Electrical Engineering, Water Resources, Mining Engineering, and Crop Sciences with a GPA of not less than 3.5 or grade B from recognised institutions.

Bachelor of Science in Bee Science and Technology

Direct entry (Form VI) Qualifications: At least two passes at a "D" grade in Biology and any of the following fields: Chemistry, Nutrition, Agriculture, Physics and Geography, Computer Study, Mathematics, Fine Art, Physical Education.

Equivalent Qualifications: An equivalent diploma from a recognised institution within or outside the country with at least a GPA of 3.0 in the fields of Biological Sciences such as Beekeeping, Crop Production, Food Science, General Agriculture, Horticulture, Agronomy, Fisheries, Wildlife Management, Forestry, Natural Resources Management and Biodiversity Conservation, Forest Industries Technology, and Education (with Biological related subjects). Bee Resource Management, Environmental Science and Technology, etc.

Bachelor of Science in Crop Science and Technology

Direct entry (Form VI) Qualifications: At least two passes at a "D" grade in Biology and any of the following fields: Chemistry, Nutrition, Agriculture, Physics and Geography, Computer Study, Mathematics, Fine Art, Physical Education.

Equivalent Qualifications: An equivalent diploma from a recognized institution within or outside the country with at least a GPA of 3.0 in the fields of Biological Sciences such as Beekeeping, Crop Production, Food Science, General Agriculture, Horticulture, Agronomy, Fisheries, Wildlife Management, Forestry, Natural Resources Management and Biodiversity Conservation, Forest Industries Technology, and Education (with Biological related subjects). Bee Resource Management, Environmental Science and Technology, etc.

Bachelor of Science in Agricultural and Natural Resources Economics and Business

Direct entry (Form VI) Qualifications: Two Principal passes in Economics, Commerce, Agriculture, Geography and Mathematics.

Equivalent Qualifications: Diploma in relevant fields of not less than second class or grade "B" from recognised institutions.

Bachelor of Science and Food Technology

Direct entry (Form VI) Qualifications: At least Two Principal passes in Chemistry and any of the following subjects: Mathematics, Biology, Nutrition, Physics, and Geography. A credit in Mathematics at "O level" and a subsidiary pass at "A level" is compulsory.

Equivalent Qualifications: An ordinary Diploma or equivalent in Food Science and Technology and related fields, such as Agriculture, Fisheries, Engineering and Technology with GPA of not less than 3.5 or B+ average obtained from institutions fully registered by NACTVET/TCU and approved by UDSM senate. A credit in Mathematics at "O level" is compulsory.

Regulations Governing the Award of the BSc Degree

CoAF is running programmes under the semester system whereby the academic year is subdivided into 2 semesters of teaching, each lasting 15 weeks. Each of its disciplines offers a variety of courses, including core courses, which are compulsory to students majoring in the subject, and elective courses. Each course is given a credit weighting according to the time devoted to it following the Tanzania Commission for Universities guidelines. One credit equates to learning outcomes achieved in 10 hours of learning, which includes activities such as lectures, seminars/tutorials, assignments, independent studies and practical training.

General Regulations

CoAF general regulations governing the operation of its programmes are in line with the University level regulations. Because of multi-disciplinarily nature of the programmes, both general and specific regulations have been benchmarked with regulations in other colleges.

1. A minimum of 360 credits must be passed for the award of a 3-year degree (BSc ASF, BSc BST, BSc CST, and BSc ANEB). Passing a course shall mean scoring a C grade or higher which is equivalent to 40% or higher.
2. A minimum of 480 credits must be passed for the award of a 4-year degree (BSc FST, and BSc AEM). Passing a course shall mean scoring a C grade or higher which is equivalent to scoring 40% or higher.
3. All students must pass the core courses in Development Studies (100 series).
4. Each student shall register for courses totalling at least 120 credits per academic year or for the minimum necessary to complete his/her degree programme.
5. In addition to core courses required for his/her programme, a student may choose as an elective any course for which he/she can meet the prerequisite/co-requisite requirements and which is compatible with the teaching timetable (subject to regulation No. 4).

6. No student will be permitted to commence or withdraw from any course more than four weeks after the beginning of the semester.
7. Students may be admitted to the College of Agriculture and Food Technology as transfer students in accordance with UDSM regulations on students' credit transfer.

Examination Regulations

8. Except for Practical training/Field attachment/Industrial training courses, each course will be offered and assessed in the same semester and a grade awarded. The grade will be based on an end of course examination and a course work assessment.
9. Except for project/practical related courses, continuous assessment shall include at least one test per semester, among other assessment means approved by CoAF academic committee (e.g., practicals, assignments, presentations). The coursework assessment shall normally constitute 40% of the total course assessment. Coursework assessment, may however, with the approval of Senate, constitute up to 100% of the total course assessment provided that where it exceeds 40% the assignments on which it is based shall be available for scrutiny by the Independent Internal Examiner.
10. Monitoring of the student progress in each course will be based on the following:

    10.1 Grade to marks (%) correspondence

A	=	70 – 100		C	=	40 – 49
B+	=	60 – 69		D	=	35 – 39
B	=	50 – 59		E	=	0 – 34

Grade to points correspondence

A	B+	B	C	D	E
5	4	3	2	1	0

    10.2 Course grade multiplied by the appropriate credit weighting will be accumulated over the whole period of study and will form the basis for the assessment of the degree.

11. An average grade for each academic year shall be worked out by adding together, by means of weighting points, all the grades of the core and elective courses. The following points to grade correspondence shall apply in monitoring the student's progress in each academic year:

4.4 – 5.0	=	A		3.5 – 4.3	=	B^+
2.7 – 3.4	=	B		2.0 – 2.6	=	C
1.0 – 1.9	=	D		0.0 – 0.9	=	E

12. A student, who has passed courses totalling more than 360 credits in a three-year programme and 480 in a four-year programme, shall have one or more elective course excluded from the assessment in the degree classification. The assessment shall in this case exclude those elective courses in which the student had the worst performance.
13. The degree classification shall be based on the best 360 and 480 credits respectively provided that regulations Nos. 1 to 4 above are fulfilled. The classification shall be as follows:

First class	4.4 – 5.0
Upper second	3.5 – 4.3
Lower second	2.7 – 3.4
Pass	2.0 – 2.6

14. To be allowed to continue with any degree programme in CoAF, a student must pass all the prescribed core courses in a programme and attain an overall GPA of 2.0 or above.
15. A student not in his/her final year of study must score at least a C average at 2.0 in all core courses in that programme to qualify for supplementary examinations.
16. A student who fails to attain an overall GPA of 1.8 at the end of academic year (excluding the final year) shall be discontinued from studies.

17. Any student who has failed a core course and does not qualify for a supplementary examination shall be discontinued.
18. A student not in the final year who obtains a "D" or an "E" average in all the core courses shall be discontinued.
19. All courses offered in the first and second year shall be compulsory in BSc AEM. Supplementary Examinations will be held once each year prior to the commencement of the subsequent academic year, for the core courses examined during the previous session. Any student who has qualified to continue with his/her studies under regulation No. 17 must sit for a supplementary examination in any core courses in which he/she has failed (i.e., scored a "D" or "E") in the examination. The highest grade awarded shall be the minimum passing grade (i.e., C).
20. With the approval of the College Board and Senate, certain courses may be designated as courses where coursework supplementation will not be permitted. When the coursework assessment in such course is failed, the entire course must be repeated.
21. If after taking supplementary examinations a student fails to obtain a "C" average at 2.0 or better in all the core courses, he/she shall be discontinued from studies.
22. A grade scored in the supplementary examination shall constitute the final grade in the course regardless of the score in the original examination.
23. A student who has qualified to continue with his/her studies (under Regulations 22 and 23 above) must repeat any core course in which he/she has failed even if he/she drops the subject to which the course belongs.
24. A student who fails a supplementary examination in a core course in which he/she has enrolled twice within the prescribed time shall be discontinued.
25. A student who has failed a practical course, which cannot be supplemented, shall be allowed to proceed to the next year of study provided his/her GPA is 2.0 or higher.
26. Supplementary work in or repetition of elective courses will only be allowed in exceptional circumstances, normally only when those credits are needed to complete a degree programme.
27. A special examination in a course to be regarded as constituting a first sitting shall be given to students who for satisfactory reasons were allowed by the Principal not to take the regular examination.
28. Normally, special examinations will be given at the time of supplementary examinations.
29. A student who is required to sit for a special examination or who, for satisfactory reasons, has not completed an important portion of his/her course work, shall be awarded an 'I' ('Incomplete') grade.
30. A student who has been awarded an 'I' grade during any academic year is required to clear the grade during the time of supplementary examinations for that academic year. Except with the approval of the College Board, any 'I' grade not cleared at the time of the supplementary examinations automatically becomes an 'E' grade.
31. No student will be enrolled in a course for which he/she has not fulfilled the prerequisites. A course for which a 'D' grade or lower is obtained shall not be counted as fulfilling a prerequisite for any course unless it is a course in the same series taken during the same session.
32. To be allowed to repeat a course, in which an examination is a part of the assessment, a student must first sit for supplementary examination in that course.
33. All courses taken by a student shall be entered in the transcript.
34. The maximum time for which a student may remain registered (CoAF) is 5 years for a 3-year programme and 6 years for a 4-year programme. Any student who is required to repeat/complete certain courses in order to qualify for the award of a degree shall be deemed to have failed the programme at the end of the maximum period if any such courses have not been passed.

Practical Training

CoAF runs an eight-week practical training programme in which students engage in practical activities related to their fields of study. Normally, these activities are held in various institutions outside the University. The 3-year programmes (BSc BST, BSc ASF) have two practical trainings, one coming immediately after the first year and the other immediately after the second year. The 3-year programme (BSc ANEB) has one practical training at the end of the second year. The 4-year programmes (BSc FST and BSc AEM) have three practical trainings, one coming immediately after the second semester in first year, the second immediately after the second semester in second year and the third immediately after the second semester of the third year. The PT programme seeks to:

(i) Expose students to various research and/or production activities being carried out in different parts of the country;

(ii) Enable students to apply their knowledge in practice;

(iii) Ensure that on leaving the University, graduates have acquired some appropriate work experience;

(iv) Establish and maintain contact between prospective employers and the University in order to ensure that students are given the appropriate skills and knowledge for the jobs they are likely to be called upon to perform after graduation; and

(v) Enable prospective employers and employees to become acquainted with one another in the working situation.

Regulations Governing Practical Training

1. Each practical training (PT) shall be assessed and the grade obtained shall count towards the final degree award. Each PT will contribute 8 credits.
2. Students must pass practical training before qualifying for the award of the degree.
3. PT assessment for BSc BST, BSc FST, BSc ANEB, BSc CST and BSc CPT will be based on the following items:
   (i) Employer's assessment – 20%: Items to be graded include skills obtained by the student, attitude towards work, personal initiatives and independence, reliability in carrying out duties and punctuality to work.
   (ii) Student's daily logbook – 20%: The employer shall sign the document on a weekly basis. The logbook shall be submitted to the University supervisor together with the final report. The grading of the logbook shall be marked based on the following:
      - Clear description of activities, 10%;
      - Description of output, 10%.
   (iii) Student's final report – 60%: This should be divided into the following aspects: description and analysis of tasks given 10%, problem identification and scientific methods used 15%, presentation of results and data 20%, correctness of information (graphs, maps etc.) 10%, summary and conclusion 5% and may do oral presentation 5%.
4. PT assessment for BSc AEM will be based on the following four items:
   (a) Employer's Assessment (5%); (b) Supervisor's Report (10%); (c) Logbook (ranges from 15% to 30% depending on the year of study); and (d) Final Report (ranges from 55% to 70% depending on the year of study). The field attachment shall adopt regulations governing Practical Training in the College of Engineering and Technology which are found in the latest UDSM Prospectus.
5. In order to pass, a student must obtain at least three passes out of four, one of which must be in his/her Final Report. The student's daily Logbook and Final Report will be assessed by his/her university supervisor. In borderline cases, these items may be used for re-assessment.
   5.1 For a student who obtains two passes and two fails out of four, a detailed investigation will be undertaken by the College's Practical Training Committee, which will make

recommendations to the Board of Examiners.

5.2 A student who fails PT will be required to go through and pass a supplementary training period, which will be arranged for him/her in June-September of the subsequent year after completion of University Examinations and will get a maximum of "C" grade.

5.3 A student who fails in a supplementary PT within the prescribed period shall be discontinued forthwith.

5.4 Students who do not go to places allocated to them for practical training without satisfactory reasons will be deemed to have failed their practical training, and will as a result be discontinued from the University.

5.5 Students who go to the allocated PT places but refuse to follow the training programme will be deemed to have absconded and consequently shall be discontinued.

6. Each practical training shall be treated as a course of the succeeding academic year.
7. Practical training reports will be handed in for assessment before the end of the second week of the first semester.
8. Internal assessments shall be completed before the end of the first semester.

DEPARTMENT OF AGRICULTURAL ECONOMICS AND BUSINESS

Bachelor of Science in Agricultural and Natural Resources Economics and Business (BSc ANEB)

Code	Course Title	Credits	Semester	Status
First Year				
EC 116	Introductory Microeconomics I	12	1	Core
EC 117	Introductory Macro-Economics I	12	1	Core
AC 100	Principles of Accounting I	12	1	Core
AG 100	General Agriculture	12	1	Core
DS 114	Development Perspectives I	12	1	Core
EB 101	Natural Resources Economics I	12	1	Core
EC 126	Introductory Microeconomics II	12	2	Core
EC 127	Introductory Macro-Economics II	12	2	Core
AC 101	Principles of Accounting II	12	2	Core
EB 103	Entrepreneurship and Innovation I	12	2	Core
DS 115	Development Perspectives II	12	2	Core
EB 105	Agricultural Economics	12	2	Core
EB	Practical Training I	8	2	Core
Second Year				
EC 216	Intermediate Microeconomics I	8	1	Core
EC 217	Intermediate Macroeconomics I	8	1	Core
EB 201	Agricultural Marketing I	12	1	Core
EB 205	Economics of Farm Management	12	1	Core
EC 219	Econometrics I	12	1	Core
EB 206	Business Analytics and ICT I	8	1	Core
EC 220	Development Economics	8	2	Elective
EC 229	Econometrics II	12	2	Core
EB 207	Agricultural Marketing II	12	2	Core
EB 208	Business Analytics and ICT II	8	2	Core
EB 209	Natural Resources Economics II	12	2	Core
EB 210	Research Methods I	8	2	Core
EB	Practical Training II	8	2	Core
Third Year				
EB 302	Applied Econometrics	12	1	Core
EB 311	Economics of Business Management	8	1	Core
EB 306	Project Appraisal and Techniques	12	1	Core
EB 301	Natural Resource Accounting	12	1	Core
EB 307	Geospatial Analysis for Economics and Business	8	1	Core
EC 372	Public Sector Economics	8	1	Elective
EB 312	Entrepreneurship and Innovation II	8	2	Core
EB 313	Economic Policy Analysis and Design	12	2	Core
EB 314	International Standards and Trade	8	2	Core
EB 315	Research Methods II	12	2	Core
EB 309	Environmental Economics	12	2	Core
EC 367	Industrial Economics	8	2	Elective

DEPARTMENT OF AGRICULTURAL ENGINEERING

Bachelor of Science in Agricultural Engineering and Mechanisation (BSc AEM)

Code	Course Title	Credits	Semester	Status
First Year				
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
ME	Engineering Drawing	8	1	Core
SC 121	Statics	12	1	Core
DS 114	Development Persective I	12	1	Core
CL 111	Communication Skills for Engineers I	12	I	Core
EE 171	Principles of Computer Programming	8	1	Core
*TW 125	Practical Electornics Engineering	6	1	Core
*TW 133	Electrical Machines and Installation Practice	6	1	Core
*TW 139	Machine Tools Practice	6	1	Core
*TW 151	Welding and Fabrication	6	1	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12	2	Core
DS 115	Development Perspectives II	12	2	Core
ME 106	Strength of Materials I	8	2	Core
AM 101	Fundamentals of Agricultural Engineering	8	2	Core
ME 103	Computer Aided Drafting	8	2	Core
EE 151	Fundamentals of Electrical Engineering	12	2	Core
EE 131	Fundamentals of Electronics	12	2	Core
*TW 126	Practical Electronics Engineering	6	2	Core
*TW134	Electrical Machines and Installation Practice	6	2	Core
*TW140	Machine Tools Practice	6	2	Core
*TW152	Welding and Fabrication	6	2	Core
AM 100	Practical Training I	12	2	Core
Second Year				
MT 261	Several Variable Calculus for Non-Majors	12	1	Core
ME 206	Strength of Materials II	12	1	Core
WR 211	Fluid Mechanics for Civil Engineers	12	1	Core
AM 201	Materials Technology for Agricultural Engineers	8	1	
AM 202**	Fundamentals of Soil Science	8	1	

Code	Course Title	Credits	Semester	Status
ME 201	Design Methodology	8	1	Core
TR 111	Engineering Surveying I	12	1	Core
WR 212	WR 212 Open Channels Hydraulics	12	2	Core
AM 203**	Principles of Agronomy	12	2	Core
WR 213	Hydraulics Practicals	4	2	Core
ME 226	Thermodynamics	12	2	Core
MT 271	Statistics for Non-Majors	12	2	Core
TR 112	Engineering Surveying II	8	2	Core
ME 208	Dynamics	8	2	Core
AM 200	Practical Training I	8	2	Core
Third Year				
AM 301	Engineering Properties of Biological Materials	8	1	Core
ME 303	Computer Aided Design	8	1	Core
AM 302	Mechatronics	8	1	Core
AM 303	Agricultural Machinery and Equipment	12	1	Core
AM 304	Agricultural Machine Elements	12	1	Core
WR 321	Engineering Hydrology	12	1	Core
ME 308	Mechanical Vibration Analysis	8	1	Elective
AM 305	Design of Irrigation Systems	8	1	Elective
AM 306	Crop Science and Management	8	1	Elective
ME 325	Turbo-Machinery	8	2	Core
ME 329	Internal Combustion Engines	8	2	Core
IE 399	Research Methods for Engineers	8	2	Core
AM 307	Manufacturing Technology for Agricultural Engineers	12	2	Core
AM 308	Design of Agro-Processing Machinery	8	2	Core
AM 309	Agricultural Engineering Design Project	8	2	Core
AM 300	Practical Training II	8	2	Core
ME 322	Renewable Energy Technologies	12	2	Elective
AM 310	Electrical Power Systems and Machines for Non-majors	12	2	Elective
AM 311	Agricultural Machinery Management	12	2	Elective
AM 312	Agricultural Resource Management	12	2	Elective
AM 300	Practical Training 2	12	2	Core
Fourth Year				

Code	Course Title	Credits	Semester	Status
AM 400	Practical Training III	8	2	Core
AM 401	Mechanics of Farm Machinery	12	1	Core
AM 402	Post-harvest Handling and Storage of Non-Perishable Commodities	8	1	Core
AM 403	Precision Agriculture Technologies	8	1	Core
AM 404	Fluid Power Systems	12	1	Core
AM 498	Final Project I	8	1	Core
ME 334	Computer Aided Manufacturing	8	1	Elective
AM 405	Environmental Conservation in Agriculture	8	1	Elective
IE 340	Engineering Operations Management	12	1	Elective
IE 354	Engineering Project Management	12	1	Elective
AM 406	Post-harvest Handling and Preservation of Horticultural Produce	8	2	Core
AM 407	Livestock Handling Systems	8	2	Core
AM 408	Ergonomics, Safety and Maintenance	12	2	Core
ME 426	Refrigeration and Air Conditioning	8	2	Core
SC 430	General Engineering Procedures and Ethics	12	2	Core
AM 410	Aquaculture Engineering	8	2	Core
AM 499	Final Project II	12	2	Core
AM 411	Design of Small Dams	8	2	Elective
IE 445	Entrepreneurship for Engineers	12	2	Elective
AM 412	Financial and Human Resource Management	8	2	Elective

DEPARTMENT OF CROP SCIENCES AND BEEKEEPING TECHNOLOGY

Bachelor of Science in Bee Science and Technology (BSc BST)

Code	Course Title	Credits	Semester	Status
First Year				
AP 101	Introduction to Beekeeping Science	8	1	Core
AP 104	Microbiology in Bee Science	12	1	Core
AG 100	General Agriculture	12	1	Core
AG 106	Cell and Molecular Biology	12	1	Core
AG 110	Entomology	8	1	Core
DS 114	Development Perspectives I	12	1	Core
AP 102	Bee Behaviour	8	2	Core
AP 103	Beekeeping Management	8	2	Core
AP 105	Bee Anatomy and Physiology	8	2	Core
CH 113	Chemistry for Life Sciences Students	12	2	Core
DS 115	Development Perspectives II	12	2	Core
FS100	Fundamentals of Food Science and Technology	8	2	Core
CH 118	Basic Analytical and Physical Chemistry	8	1	Elective
AG 111	Applied Entomology	8	1	Elective
AP 106	Beneficial Insects Farming	12	2	Elective
CL 107	Communication Skills for Science Students	12	2	Elective
EB 103	Entrepreneurship and Innovation	12	2	Elective
Second Year				
AP 200	Practical Training I	8	1	Core
AP 201	Production Technologies in Beekeeping	8	1	Core
AP 203	Botany	12	1	Core
AP 206	Entrepreneurship and Value Addition in Beekeeping	8	1	Core
AG 214	Biostatistics and Research Methods	12	1	Core
AP 208	Apitherapy	8	1	Core
AP 202	Pollination Biology	8	2	Core
AP 204	Ecological Agro-Forestry	8	2	Core
AP 205	Chemistry of Bee Products	12	2	Core
AP 207	Bee Health Management	12	2	Core
FS 309	Functional Foods and Nutraceuticals	12	2	Core
AG 204	Biochemistry	8	1	Elective
AG 212	GIS and Remote Sensing	8	1	Elective
EB 201	Agricultural Products Marketing I	12	1	Elective

Code	Course Title	Credits	Semester	Status
AP 209	Fundamentals of Business and Economics	8	2	Elective
EB 207	Agricultural Products Marketing II	12	2	Elective
FS 101	Food Microbiology	12	2	Elective
Third Year				
AP 301	Biotechnology in Beekeeping	8	1	Core
AP 302	Bee Genetics and Breeding	12	1	Core
AP 303	Management and Conservation of Non-Apis Bees	8	1	Core
AP 308	Climate Change and Environmental Conservation	12	1	Core
AP 309	Wild Fire Ecology and Management	8	1	Core
AP 399	Research Project	8	1	Core
AP 300	Industrial Placement	24	2	Core
AP 304	Beekeeping Extension and Publicity	12	2	Core
AP 305	Legal and Policy Framework in Beekeeping	12	2	Core
AP 307	Api-tourism	12	2	Core
AP 306	Bee Resources Assessment	12	1	Elective
EB 314	International Standards and Trade	12	1	Elective
Bachelor of Science in Crop Science and Technology (BSc CST)				
First Year				
DS 114	Development Perspectives	12	1	Core
AG 100	General Agriculture	12	1	Core
AG 101	Annual Crop Production Technology	12	1	Core
AG 106	Cell and Molecular Biology	12	1	Core
AG 110	Entomology	8	1	Core
DS 115	Development Perspectives	30	2	Core
AG 104	Urban and Peri-Urban Agriculture Technologies	30	2	Core
AG 107	Plant Genetics	30	2	Core
AG 108	Soil Science	30	2	Core
AG 111	Applied Entomology	15	2	Core
IS 131	Introduction to Informatics and Microcomputers	8	1	Elective
CL 107	Communication Skills for Science Students	12	1	Elective
EB 103	Entrepreneurship and Innovation I	12	2	Elective
AP 106	Beneficial Insects Farming	12	2	Elective
AG 115	Agro-Tourism	8	2	Elective

Code	Course Title	Credits	Semester	Status
Second Year				
AG 204	Biochemistry	8	1	Core
AG 206	Perennial Crop Production Technology	8	1	Core
AG 201	Vegetable Production Technology	8	1	Core
AG 200	Practical Training (off campus)	8	1	Core
AG 214	Biostatistics and Research Methods	12	1	Core
AP 203	Botany	12	1	Core
AG 218	Crop Physiology	8	2	Core
AG 216	Plant Pathology	8	2	Core
AG 207	Precision Agriculture Technology	8	2	Core
AG 215	Weed Science and Management	8	2	Core
AG 219	Post-Harvest Management Technology	8	2	Core
AG 208	Soil Health and Plant Nutrition	12	2	Core
AG 203	Vertebrate Pests	8	1	Elective
EB 201	Agricultural Marketing I	12	1	Elective
AG 212	GIS and Remote Sensing	8	1	Elective
AG 213	Agro-Meteorology and Climate Change Adaptation/Mitigation	12	2	Elective
AG 217	Irrigation Technology Management	8	2	Elective
EB 205	Economics of Farm Management	12	2	Elective
Third Year				
AG 301	Crop Breeding	12	1	Core
AG 304	Seed Production Technology	8	1	Core
AG 302	Fruit Production Technology	8	1	Core
AG 307	Plant Biotechnology	12	1	Core
AG 399	Research Project	8	1	Core
AG 308	Agricultural Resources and Farm Management	8	1	Core
AG 312	Extension Methods and ICT (online)	12	2	Core
AG 300	Industrial Placement (off campus)	24	2	Core
AG 311	Agricultural Value Chain (online)	12	2	Core
AG 310	Sustainable Agriculture (online)	12	2	Core
AG 306	Farm Power and Machinery	12	1	Elective
AG 305	Crop Production Modelling	8	1	Elective
AP 309	Wild Fire Ecology and Management	8	1	Elective

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

Bachelor of Science in Food Science and Technology (BSc FST)

Code	Course Title	Credits	Semester	Status
Common Courses				
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 121	Chemistry Practical I	8	1	Core
AB 102	Fundamentals of Biochemistry	12	1	Core
ME 101	Engineering Drawing	8	1	Core
FS 103	Computer Applications in Food Science and Technology	8	2	Core
FS 100	Fundamentals of Food Science and Technology	8	2	Core
FS 101	Food Microbiology	12	2	Core
FS 102	Practicals in Food Microbiology	8	2	Core
ME 103	Computer Aided Drafting	8	2	Core
FN 250	+Financial Literacy			Core
CL107	Communication Skills for Science Students	12	2	Core
CH 117	Organic Chemistry	12	2	Elective
+A self-paced online course				
Second Year				
FS 200	Food Chemistry	12	1	Core
FS 201	Food Engineering	12	1	Core
FS 102	Food Additives	8	1	Core
FS 203	Food Laws	8	1	Core
FS 204	Food Toxicology and Forensics	8	1	Core
FS 206	Food Biotechnology	8	1	Core
FS 213	Industrial Practical Training I	8	1	Core
FS 205	Dairy Processing Technology	12	2	Core
FS 207	Human Nutrition and Dietetics	8	2	Core
FS 208	Food Safety and Quality Control	12	2	Core
FS 209	Food Analysis and Instrumentation	8	2	Core
FS 210	Practical in Food Science and Technology I	8	2	Core
EB 103	Enterpreneurship and Innovation I	12	2	Core

Code	Course Title	Credits	Semester	Status
Third Year				
FS 300	Post-Harvest Technology of Fruits and Vegetables	12	1	Core
FS 301	Seafood Processing Technology	12	2	Core
FS 302	Food Product Development	12	1	Core
FS 303	Consumer Behaviour and Sensory Evaluation	12	1	Core
FS 313	Practical Training II	8	1	Core
AG 214	Biostatistics and Research Methods	8	1	Core
EB 312	Entepreneurship and Innovation II	12	1	Core
FS 304	Spices and Alcoholic Beverage Technology	12	2	Core
FS 305	Food Fermentation Technology	12	2	Core
FS 306	Functional Foods and Nutraceuticals	8	2	Core
FS 310	Practical Applications in Food Science and Technology II	8	2	Core
FS 307	Food Colloids and Nanoparticles Technology	12	2	Elective
Fourth Year				
FS 402	Baking Science and Technology	12	1	Core
FS 403	Food Plant Design, Sanitation and Waste Management	12	1	Core
FS 404	Meat and Poultry Processing	12	1	Core
FS 405	Cereals, Legumes and Oilseed Processing Technology	12	1	Core
FS 412	Research Project	8	1	Core
FS 413	Practical Training III	8	1	Core
FS 400	Food Packaging Technology*	12	2	Core
FS 401	Sugar Technology*	8	2	Core
FS 414	Industrial Placement	40	2	Core
FS 411	Animal Feed Technology	8	1	Elective
**Online course*				

CoAF STAFF LIST

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*J. W. Msangi, BSc (Morogoro), MSc (Nakuru)
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*S. Hassan, BA (Dar), MSc (Egerton)
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*G. P. Baitu, BSc (Morogoro), MSc (Samsun)
*P. C. Massay, BSc (Morogoro), MSc (IHe Delft)
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**** G. P. George, BSc (Morogoro)

Lab Engineer
S. K. Mrisho, BSc (Morogoro)

Laboratory Technicians
P. P. Chuma (Tanga)
J. N. David (Tanga)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment
**** On Postdoc
***** Animal Science Department hosted by Department of Crop Science and Beekeeping Technology

COLLEGE OF ENGINEERING AND TECHNOLOGY (CoET)

INTRODUCTION

The College of Engineering and Technology (CoET) comprises six academic departments namely: Chemical and Process Engineering (CPE), Structural and Construction Engineering (SCE), Transportation and Geotechnical Engineering (TGE), Water Resources Engineering (WRE), Mechanical and Industrial Engineering (MIE) and Electrical Engineering (EE).

Degrees Offered by the College

CoET offers the following undergraduate degree programmes:

(i) Bachelor of Science in Chemical and Process Engineering (BScCPE)
(ii) Bachelor of Science in Civil Engineering (BScCE)
(iii) Bachelor of Science in Electrical Engineering (BScEE)
(iv) Bachelor of Science in Mechanical Engineering (BScME)
(v) Bachelor of Science in Industrial Engineering (BScIE)
(vi) Bachelor of Science in Textile Design and Technology (BScTXD)
(vii) Bachelor of Science in Textile Engineering (BScTXE)
(viii) Bachelor of Architecture (BArch)
(ix) Bachelor of Science in Quantity Surveying (BScQS)
(x) Bachelor of Science in Geomatics (BScGeom)

Admission Requirements

The minimum requirements for admission to CoET programmes are given in the first chapter of this Prospectus viz. Directorate of Undergraduate Studies (DUS) under "Minimum Entrance Requirements for Direct and Equivalent Entrants" and "Additional Requirements by Colleges and Schools" Sections.

Examination Regulations

(a) General Degree Regulations

General Examination Regulations are given in the first chapter of this Prospectus; viz. Directorate of Undergraduate Studies (DUS), under "General University Examination Regulations (GUER)."

(b) College Examination Regulations

These examination regulations are in addition to the General University Examination Regulations.

1. Student performance shall be assessed continuously throughout the course. Except in the project, such continuous assessment shall include at least one test per semester and may also consist of Laboratory reports and any other similar means approved by the CoET Academic Committee. The weight of such Continuous Assessment for every course module shall be 0.4. The weight for a University Examination in every course shall be 0.6 except that where a course is not subject to University Examination, Continuous Assessment shall be followed in that semester.
2. It shall be the duty of the Head of Department concerned to inform the students at the beginning of the semester of the procedure of assessment in each course that shall be followed in that semester.
3. Each course module will be offered and assessed in the same semester and a grade awarded. Independent Internal Examination and/or External Examination and determination of pass or fail status however shall be done at the end of the academic year (i.e. at the end of the second teaching semester in each academic year).
4. Candidates are required to obtain a minimum overall GPA for the Audit Unit (academic year) before they can proceed to the following year of study. The pass grade in each of 'the course modules taken shall be "C".

1. A student who has qualified to continue with his/her studies in terms of the minimum overall GPA for the Academic Audit Unit, but failed in some modules, will be allowed to sit for supplementary examination for all failed courses.
2. Supplementary examinations will be held once each year prior to the commencement of the subsequent academic year for the failed courses examined during the previous two semesters. The highest grade awarded shall be the minimum passing grade (i.e. "C").
3. A candidate who fails in a course that is assessed by continuous assessment only, shall sit for a written supplementary continuous assessment examination. Such examination shall take place at the time of the University Supplementary Examinations. All other rules and regulations governing supplementary examinations shall apply.
4. If, after taking supplementary examinations, a student fails to obtain a "C" grade in a compulsory module, she/he may be allowed to repeat (carry over) the failed compulsory course within the maximum period of registration.
5. After supplementary examination, a failed course can be carried over if the student has obtained an overall GPA of at least 2.0 from the courses examined or otherwise assessed in semesters l and 2 of the first year.
6. If, after taking supplementary examinations, a student fails to obtain an overall GPA of at least 2.0, she/he shall be discontinued from studies.
7. A student shall not repeat (carry over) any failed elective course even if he / she so wishes, except in certain circumstances, normally when those units are needed to comply with minimum requirements for degree award as spelt out in CoET Examination Regulation 17.
8. No student will be enrolled in a course module for which he/she has not taken the prerequisites.
9. Assessment of course modules that are offered by other Colleges/Schools or Institutes of the University shall be governed by the regulations of the respective Colleges / Schools or Institutes.
10. A special examination in a course module to be regarded as constituting a first sitting shall be given to a student who, for satisfactory reasons, was allowed by the Principal not to take the regular examination. Normally, special examinations will be given at the time of supplementary examinations.
11. A student who is required to sit for a special examination or who, for satisfactory reasons, has not completed his/her coursework, shall be assigned a "PEX" ("Postponed Exam") grade or "I" ("Incomplete") grade, respectively.
12. A student who has a "PEX" or "I" grade in a course during any academic year is required to clear the course examination during the time of special examinations for that academic year. Except with the approval of the respective College Board, a student who will not clear any "PEX" or "I" grade at the time of special examinations will be considered to have absconded studies.
13. To complete a degree programme at CoET, a full-time student must have passed a minimum number of units, including all prescribed compulsory courses as shall be prescribed by the respective Heads of Departments prior to the commencement of each semester. In this regard, students are required to register for and pass a minimum of 135 units for any of the degree programmes offered by CoET.
14. All courses taken by a student shall be entered in the transcript.

Regulations for First Year Examinations

1. All course modules offered in the First Year shall be compulsory. All course modules shall be examined or otherwise assessed.
2. For each degree programme, the pass or fail mark during the First Year shall be defined as it is the case for all other courses, on the basis of GPAs calculated according to the unit weighting of individual course modules, including the Workshop Training.
3. A candidate who fails to attain a minimum overall GPA of 1.8 at the end of the academic year shall be discontinued from studies.

4. A candidate who attains an overall GPA of 1.8 or above at the end of the academic year shall be allowed to supplement all failed courses.
5. A candidate who fails to clear all Supplementary Examinations but has an overall minimum GPA of 2.0 from courses examined or otherwise assessed at the end of the academic year shall be allowed to repeat (carryover) the failed courses within the maximum period of registration.
6. If after taking supplementary examinations, a candidate fails to obtain a First Year overall GPA of at least 2.0 from courses examined or otherwise assessed at the end of the academic year, s/he shall be discontinued from studies.

Regulations for Second Year Examinations

1. All course modules offered in the Second Year shall be compulsory. All courses shall be examined or otherwise assessed and the results shall count in determining promotion to the Third Year.
2. A candidate who fails to attain a minimum overall GPA of 1.8 from courses examined at the end of the academic year shall be discontinued from studies.
3. Where a student has attained an overall GPA of 1.8 or above from courses examined at the end of the academic year, s/he shall be allowed to supplement all failed courses.
4. A candidate who fails to clear all failed compulsory courses in a Supplementary Examination, but has an overall minimum GPA of 2.0 from courses examined in the academic year, shall be allowed to carryover the failed courses within the maximum period of registration
5. If after taking supplementary examinations a student fails to obtain at least a Second Year overall G.P.A. of 2.0, he/she shall be discontinued from studies.

Regulations for Third Year Examinations

1. Prior to the commencement of each semester of the Third Year of study, the respective Head of Department will prescribe all the compulsory courses and electives to be offered in a particular semester. Students will be required to follow all compulsory courses and register for at least the minimum number of electives to be specified by the Head of Department.
2. No student will be permitted to commence any course three weeks after the beginning of the semester or withdraw from any course four weeks after the beginning of the semester.
3. All course modules offered shall be examined or otherwise assessed. The student shall be required to pass all the prescribed compulsory modules and obtain a specified minimum of units from elective courses.
4. A candidate who fails to attain a minimum overall GPA of 1.8 from courses examined in the academic year shall be discontinued from studies.
5. A candidate who attains an overall GPA of 1.8 or above from courses examined in the academic year will be allowed to re-sit the failed courses at a supplementary examination.
6. A candidate, who fails to clear all Supplementary Examinations but has an overall GPA of 2.0 or above from courses examined in the academic year, shall be allowed to carryover the failed courses within the maximum period of registration.
7. If after taking supplementary examinations a student fails to obtain at least a Third Year overall GPA of 2.0 from courses examined in the academic year, s/he shall be discontinued from studies.

Regulations Concerning Final Year Examinations

1. Prior to the commencement of each semester of the Fourth Year of study, the respective Head of Department will prescribe all the compulsory courses and electives to be offered in a particular semester. Students will be required to follow all compulsory courses and register for at least a minimum number of electives to be specified by the Head of Department.
2. No student will be permitted to commence any course three weeks after the beginning of the semester or withdraw from any course four weeks after the beginning of the semester.
3. All subjects shall be examined or otherwise assessed at the end of each semester, and the results shall count in determining successful completion of studies.

4. A candidate who fails to attain a minimum overall GPA of 1.8 from courses examined in the academic year shall be discontinued forthwith.
5. A candidate who fails with an overall GPA of 1.8 or above from courses examined in the academic year will be allowed to supplement the failed courses.
6. A candidate who fails to clear all courses in a supplementary Examination but has an overall minimum GPA of 2.0 from courses examined in the academic year shall be allowed to carryover the failed courses within the maximum period of registration.
7. A candidate who fails to clear any supplementary examination of a compulsory course and has an overall GPA of less than 2.0 from courses examined in the academic year shall be discontinued from studies.
8. Final Year Projects will be assessed and the results contribute to the Fourth Year overall GPA, as well as Final GPA for degree classification.
9. Assessment of the Final Year Projects shall base on a written Project Report and Oral Presentation of the Project work. Students shall submit error free copy of the Final Project Report.
10. The weight of Projects will be determined as for any other course, based on the number of contact hours. For all degree programmes offered by CoET, the total credits from the two Final Projects will be 24.0, where Final Year Project I will contribute 8.0 credits and Final Year Project II will contribute 16.0 credits.
11. A candidate who fails in any of the Final Projects shall be allowed to take a corresponding Supplementary Project. The time allocated for a Supplementary Project shall be 12 weeks after the release of the results.
12. A candidate who fails to clear a Supplementary Project shall repeat the project in the first semester of the subsequent year.

Weighting of Results and Classification of Degrees

1. Computation of the average score for a degree shall be based on the minimum number of units required to complete the degree programme or closest number marginally exceeding the prescribed units in cases where the number is not exactly achievable as follows:
   (a) All the prescribed core courses;
   (b) The best units from the other compulsory courses offered such as student's project(s) and the three practical training sessions in industry as well as elective courses.
2. The total weight factor of the minimum number of units obtained as stipulated in Regulation 49 shall be 1.0. The contribution of each course module to this weight factor shall be proportional to its number of units as shown in the curriculum.
3. For purposes of classification of degrees, a five-point system will be used to compute the final grade.
4. The letter grade will be assigned points as follows:
5. A=5; B+=4; B=3 C=2; D=1; E=0
6. To get a score for each course, the points obtained as in 51 above shall be multiplied by the weights as in Regulation 50.
7. All weights under 50 above shall carry one decimal place.

Regulations Applicable to all Engineering Students

1. The total score for the degree will be the total of the weighted scores for all contributing courses obtainable under Regulation 52.
2. Irrespective of the provision given in regulation 49 above, all courses taken by a student shall be entered in the transcript.

Regulations on Practical Training in Industry (PT)

1. For each degree programme except BArch. there shall be three PT sessions each of 8 weeks duration. For BArch. there shall be four PT sessions each of 8 weeks duration. The PT shall be conducted after the first, second and third (and fourth for BArch.) academic years.
2. Each PT shall be treated as a course of the succeeding academic year.
3. Each PT shall be assessed and the grade obtained shall count towards the final degree award. The total weight of the 3 PTs will be determined as for any other course, based on the number of contact hours. Each PT will contribute 8 credits.
4. A student who, for good reasons to satisfy the College Board, could not complete part of PT will be assigned an "I" grade for that PT and will be required to complete that particular part of the training within a certain period as will be specified by the College Board.
5. A student who could not complete part of PT for reasons others than those stipulated in 59 above, will be considered to have absconded the PT, and shall be discontinued.
6. Practical Training reports will be handed in for assessment before the end of the second week of the first semester.
7. Internal assessment shall be completed before the end of the first semester.
8. A student who fails a PT shall supplement the PT before starting the next one.
9. A student who fails a supplementary PT shall be discontinued forthwith.
10. Students who do not go to places allocated to them for PT without satisfactory reasons will be deemed to have absconded from their PT and will, as a result, be discontinued from their studies.
11. Students who go to the allocated PT places but refuse to follow the training programme will be deemed to have absconded and consequently shall be discontinued from studies.

Courses Offered by CoET Departments

Course Structure and Outlines

Allocation of students to departments is done at the time of admission on the basis of their applications to join the University and entry qualifications. In addition to core courses, third and fourth year students are given opportunity to choose some additional courses (electives) offered by other departments of CoET, or of any other Colleges/Schools and Institutes of the University if these courses are approved by the respective CoET Departmental Boards and fit in the timetable. The courses comprise both theoretical education and practical instruction in the CoET workshops, Laboratoryoratories and-in industry. After completing the second semester; first, second and third year students are required to undertake Practical Training (PT) in industry.

Explanatory Notes on the Coding of Courses

The code consists of five characters. The first two, identify the academic unit that hosts the course (department, institute or College if it is a CoET-wide course). The third digit identifies the level of the course, the fourth identifies the specific section of the academic unit offering the course and the fifth identifies the different courses within the academic unit. The codes of academic units are as follows:

AR - Architecture
CE - Civil Engineering
CH - Chemistry
CL - Communication Skills
CP - Chemical and Process Engineering
CS - Computer & Systems Engineering
DP - Electrical Power Engineering
DS - Development Studies
EE - Electrical Engineering
EG - Engineering (CoET) General Course

EN - Energy Engineering
FB - Food and Biochemical Engineering
FP - Fine and Performing Arts
GT - Geomatics
IE - Industrial Engineering
ME - Mechanical Engineering
MG - Engineering Management and Entrepreneurship
MT - Mathematics (for Non-Majors)
PD - Design and Production Engineering
QS - Quantity Surveying
SD/SC - Structural and Construction Engineering
TE - Telecommunications Engineering
TM - Construction Technology and Management
TR - Transportation and Geotechnical Engineering
TX - Textile Engineering/Textile Design and Technology
WR - Water Resources Engineering

Common Courses to all Engineering Programmes

Code	Course Title	Credits	Semester	Status
First Year				
CL 111	Communication Skills for Engineers	12E	1	Core
DS 114	Development Perspectives I	8E	1	Core
EE 173	Principles of Computers Programming	8E	1	Core
ME 101	Engineering Drawing	8	1	Core
SC 121	Statics	12E	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
DS 115	Development Perspectives II	8E	2	Core
MT 171	One Variable Calculus and Diff. Equation for Non-Majors	12E	2	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
MT 271	Statistics for Non- Majors	12E	2	Core

DEPARTMENTS OF STRUCTURAL AND CONSTRUCTION ENGINEERING (SCE), WATER RESOURCES ENGINEERING (WRE) AND TRANSPORTATION AND GEOTECHNICAL ENGINEERING (TGE)

Bachelor of Science in Civil Engineering

Code	Course Title	Credits	Semester	Status
First Year				
CL111	Communication Skills for Engineers	12E	1	Core
EE 173	Principles of Computer Programming	8E	1	Core
DS 114	Development Perspectives I	12E	1	Core
SC 101	Civil Engineering Drawing I	8E	1	Core
SC 121	Statics	12E	1	Core
TR 111	Engineering Surveying I	8E	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
TW 107 / TW 108	Building, Setting out, Formwork & Brick Work Skills	6	1	Core
TW 113/ TW 114	Carpentry and Joinery	6	1	Core
FN 250	Financial Literacy	0	1	Core
SC 102	Civil Engineering Drawing II	10E	2	Core
SC 112	Civil Engineering Materials I	12E	2	Core
SC 122	Dynamics of Solids	8E	2	Core
DS 115	Development Perspectives II	8E	2	Core
TR 112	Engineering Surveying II	8E	2	Core
MT 171	One Variable Calculus and Differential Equation for Non-Majors	12E	2	Core
SC 104	Fundamentals of Building Design	8E	2	Core
TW 133/ TW 134	Electrical Machines and Installation Practice	6	2	Core
TW 151/ TW 152	Welding and Fabrication	6	2	Core
NOTE: The Financial Literacy Course (FN 250) is a self-study 90-hour online course with a pass or fail final grade.				
Second Year				
SC 211	Civil Engineering Materials II	12E	1	Core
SC 223	Mechanics of Materials	8E	1	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
TR 231	Geology for Civil Engineers	8E	1	Core
WR 225	Engineering Hydrology	8E	1	Core
SC 221	Analysis of Statically Determinate Structures	12E	1	Core

Code	Course Title	Credits	Semester	Status
WR 211	Fluid Mechanics for Civil Engineers	12E	1	Core
MT 271	Statistics for Non-Majors	12E	2	Core
TR 221	Transportation System and Planning	12E	2	Core
TR 232	Soil Mechanics	12E	2	Core
WR 212	Open Channel Hydraulics	8E	2	Core
WR 213	Hydraulic Lab Practicals	4	2	Core
SC 222	Analysis of Statically Indeterminate Structures	12E	2	Core
CE 200	Practical Training I	8	2	Core
Third Year				
SC 341	Design of Reinforced Concrete Structures I	8E	1	Core
TR 334	Foundation Engineering I	8E	1	Core
TR 331	Highway Materials	12E	1	Core
WR 321	Engineering Hydrology	12E	1	Core
TR 321	Highway Route and Geometric Design	12E	1	Core
Electives (Minimum)		12E	1	Core
TR 335	Foundation Engineering II	8E	2	Core
SC 342	Design of Reinforced Concrete Structures II	8E	2	Core
SC 312	Research Methodology for Civil Engineers	8E	2	Core
TR 323	Traffic Engineering and Management	12E	2	Core
TR 324	Pavement Design and Maintenance	12E	2	Core
SC 411	Design of Steel Structures	8E	2	Core
SC 441	Design of Masonry and Timber Structures	8E	2	Core
CE 200	Practical Training II	8E	2	Core
	Electives (Minimum)	8E	2	
Elective Courses				
SC 321	Dynamics of Structures	8E	1	Elective
TR 311	GIS Applications in Civil Engineering	8E	1	Elective
TR 325	Airport, Harbour and Railway Engineering	12E	1	Elective
TR 326	Labour Based Road Engineering	12E	2	Elective
WR 322	Rivers and Reservoirs Engineering	8E	2	Elective
WR 325	Irrigation and Drainage Engineering	12E	2	Elective
Fourth Year				
SC 401	Construction Techniques and Site Organization	8E	1	Core
WR 410	Design of Hydraulic structures and Machinery	8E	1	Core
SC 431	Engineering Economics and Planning Techniques	12E	1	Core

Code	Course Title	Credits	Semester	Status
CE 498	Final Project I	8E	1	Core
Electives (Minimum)		24E	1	
SC 432	Civil Engineering Procedures and Ethics	8E	2	Core
WR 452	Wastewater Treatment	12E	2	Core
IE 445	Entrepreneurship for Engineers	12E	2	Core
CE 499	Final Project II	12E	2	Core
CE 300	Practical Training III	8E	2	Core
Elective Courses				
SC 402	Maintenance and Rehabilitation of Constructed Facilities	8E	1	Elective
SC 422	Numerical Methods in Structural Engineering	8E	1	Elective
SC 442	Fundamentals of Pre-Stressed Concrete	8E	2	Elective
SC 472	Design of Bridges	8E	1	Elective
TR 431	Machine Foundations	8E	2	Elective
TR 421	Transportation Economics	8E	2	Elective
WR 423	Applied Hydrogeology	8E	2	Elective
WR 460	Management of Solid and Hazardous Waste	12E	1	Elective
SC 420	Management of Construction Projects	12E	1	Elective
WR 470	Environmental Impact Assessment	8E	2	Elective

Bachelor of Architecture

First Year

Code	Course Title	Credits	Semester	Status
AR 111	Studio Design Project I	16	1	Core
AR 121	Architectural Graphics I	8E	1	Core
AR 131	History and Theory of Architecture I	8E	1	Core
AR 151	Building Materials I	8E	1	Core
SC 161	Mechanics for Architects	8E	1	Core
TW 107	Building, Setting out, Formwork and Brick Work Skills	6	1	Core
TW 113	Carpentry and Joinery	6	1	Core
DS 114	Development Perspectives I	8E	1	Core
CL 111	Communication Skills for Engineers	12E	1	Core
AR 112	Studio Design Project II	16	2	Core
AR 122	Architectural Graphics II	8E	2	Core
AR 132	History and Theory of Architecture II	8E	2	Core
AR 152	Building Materials II	8E	2	Core
SC 155	Building Construction I	8E	2	Core

Code	Course Title	Credits	Semester	Status
TR 168	Introduction to Geomatics for Architects	8E	2	Core
TW 151	Welding and Fabrication	6	2	Core
TW 145	Plumbing Skills and Pipe Fittings Installations	6	2	Core
DS 115	Development Perspectives II	8E	2	Core
Second Year				
AR 213	Studio Design Project III	20	1	Core
AR 233	History and Theory of Architecture III	8E	1	Core
AR 223	Architectural Graphics III	8E	1	Core
AR 253	Building Materials II	8E	1	Core
AR 265	Architectural Science I	8E	1	Core
SC 256	Building Construction II	8E	1	Core
SC 262	Building Structures I	8E	1	Core
AR 214	Studio Design Project IV	20	2	Core
AR 224	Architectural Graphics IV	8E	2	Core
AR 241	Settlement Planning I	8E	2	Core
SC 257	Building Services I	8E	2	Core
AR 266	Architectural Science II	8E	2	Core
QS 260	Building Economics	8E	2	Core
AR 200	Practical Training I	8	2	Core
Third Year				
AR 315	Studio Design Project V	24	1	Core
SC 311	Building Services III	8E	1	Core
AR 364	Urban Design	8E	1	Core
AR 354	Professional Practice II	12	1	Core
***	*Electives I*	*12*	*1*	*Elective*
AR 316	Studio Design Project VI	24	2	Core
SC 323	Analysis of Building Structures	8E	2	Core
SC 301	Building Construction II	8E	2	Core
AR 372	Architectural Specification	8E	2	Core
AR 334	Architectural Conservation	8E	2	Core
AR 200	Practical Training II	8	2	Core
***	*Electives II*	*12*	*2*	*Elective*
Third Year Elective Courses				
WR 460	Management of Solid and Hazardous Waste	12E	1	Elective
SC 420	Management of Construction Projects	12E	1	Elective
SC 402	Maintenance and Rehabilitation of Constructed Facilities	12E	1	Elective
AR 447	Architectural Science	12E	1	Elective

Code	Course Title	Credits	Semester	Status
ME 201	Design Methodology	12E	1	Elective
ME 206	Strength of Materials II	12E	2	Elective
Fourth Year				
AR 417	Studio Design Project VII	24	1	Core
SC 403	Research Methodology	8E	1	Core
WR470	Environmental Impact Assessment	12E	1	Core
AR 452	Architectural Project Management	8E	1	Core
AR 452	Architectural Project Management	8E	1	Core
SC 423	Building structures II	8E	1	Core
***	*Electives III*	*12*	*1*	*Elective*
AR 418	Studio Design Project VIII	24	1	Core
AR 462	Urban Sociology	8E	2	Core
AR 451	Entrepreneurship	12E	2	Core
SC 404	Project Procurement	8E	2	Core
AR 300	Practical Training III	8	2	Core
***	*Electives IV*	*12*	*2*	*Elective*
Fourth Year Elective Courses				
AR 465	Urban Development and Housing	12E		Elective
AR 467	Basics of Interior Design	12E		Elective
AR 466	Basics of Landscape Design	12E		Elective
AR 488	Design for Emerging Technologies	12E		Elective
Fifth Year				
AR 585	Studio Design Project IX	36	1	Core
AR598	Final Project 1	24	1	Core
AR599	Final Project 2	60	2	Core
AR 400	Practical Training IV	8	2	Core

Bachelor of Science in Quantity Surveying

First Year

Code	Course Title	Credits	Semester	Status
CL 111	Communication Skills for Engineering	12E	1	Core
DS 114	Development Perspectives I	8E	1	Core
QS 141	Engineering Mechanics	8E	1	Core
EC 116	Introduction to Micro Economics	8E	1	Core
QS 161	Construction Materials I	12E	1	Core
QS 176	Introduction to Information Technology	8E	1	Core
TR 111	Engineering Surveying I	8E	1	Core
QS 122	Building Technology I	12E	1	Core
QS 162	Construction Materials II	8E	2	Core

Code	Course Title	Credits	Semester	Status
QS 142	Mechanics of Materials	8E	2	Core
QS 132	Measurement of Building Works I	12E	2	Core
QS 125	Building Technology II	12E	2	Core
DS 115	Development Perspectives II	8E	2	Core
TR 112	Engineering Surveying II	8E	2	Core
QS 151	Project Work I	8	2	Core
Second Year				
EC 117	Introductory Macro-Economics	8E	1	Core
QS 213	Design of Structures I	8E	1	Core
QS 222	Building Technology III	12E	1	Core
QS 232	Measurement of Building Works II	12E	1	Core
QS 261	Law for Quantity Surveyors I	8E	1	Core
QS 244	Financial Accounting	8E	1	Core
QS 251	Project Work II	8	1	Core
QS 214	Design of Structures II	8E	2	Core
QS 223	Building Services	12E	2	Core
QS 224	Building Construction I	12E	2	Core
QS 239	Measurement of Building Works III	12E	2	Core
QS 262	Law for Quantity Surveyors II	12E	2	Core
QS 252	Project Work III	8	2	Core
QS 200	Practical Training I	8	2	Core
Third Year				
QS 324	Civil Engineering Construction II	8E	1	Core
QS 333	Measurement of Civil Engineering Works I	12E	1	Core
QS 334	Measurement of Building Services	12E	1	Core
QS 336	Estimating and Price Analysis	8E	1	Core
QS 343	Law for Quantity Surveyor II	8E	1	Core
QS 351	Project Work IV	8	1	Core
***	*Elective I*	*8E*	*1*	*Elective*
QS 339	Measurement of Civil Engineering Works II	12E	2	Core
QS 335	Construction Economics I	12E	2	Core
QS 338	Procurement	12E	2	Core
QS 344	Financial Accounting	8E	2	Core
QS 352	Project Work V	8	2	Core
QS 200	Practical Training II	8	2	Core
***	*Elective II*	*8E*	*2*	*Elective*
Third Year Elective Courses				
QS 361	Value management	8E	1	Elective
QS 366	Structural and Condition Surveys	8E	1	Elective
QS 364	Property Development	8E	2	Elective
QS 362	Maintenance Management and Technology	8E	2	Elective
Fourth Year				
QS 435	Construction Economics II	12E	1	Core

Code	Course Title	Credits	Semester	Status
QS 437	Contract Administration	12E	1	Core
QS 442	Construction Management	12E	1	Core
QS 452	Architectural Project Management	8E	1	Core
AR 451	Project Work VI	8	1	Core
SC 312	Research Methodology	8E	1	Core
QS 498	Final Project I	8	1	Core
***	*Elective III*	*8E*	*1*	*Elective*
SC 432	Ethics and Professional Practice	8E	2	Core
IE 445	Entrepreneurship	12E	2	Core
SC 404	Project Procurement	8E	2	Core
QS 300	Practical Training III	8	2	Core
QS 499	Final Year Project II	16	2	Core
***	*Elective IV*	*8E*	*2*	*Elective*
Fourth Year Elective Courses				
QS 363	Human Resource Management	8E	1	Elective
QS 367	Public Finance and Taxation	8E	1	Elective
QS 368	Real Estate Market Analysis	8E	2	Elective
QS 365	Control and Regulation of Buildings	8E	2	Elective

Bachelor of Science in Geomatics

First Year

Code	Course Title	Credits	Semester	Status
CL 111	Communication Skills for Engineers	12E	1	Core
DS 114	Development Perspectives I	12E	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
EE 173	Principles of Computer Programming	8E	1	Core
GT 111	Fundamentals of Land Surveying	12E	1	Core
GT 115	Principles of Cartography	12E	1	Core
GT 173	Physics for Geomaticians	8E	1	Core
DS 115	Development Perspectives II	12E	2	Core
GT 112	Topographic Surveying	12E	2	Core
EE 131	Electronics for Engineers I	8E	2	Core
GT 156	Fundamentals of Photogrametry	12E	2	Core
EE 172	Modeling and Simulation for Engineers	8E	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12E	2	Core
GT 180	Survey Camp Project	8	2	Core
Second Year				
MT 261	Several Variable Calculus for Non Majors	12E	1	Core

Code	Course Title	Credits	Semester	Status
GT 221	Fundamentals of Engineering Surveying	12E	1	Core
GT 241	Spherical and Ellipsoidal Geometry	8E	1	Core
GT 257	Remote Sensing Principles and Applications	8E	1	Core
GT 272	Urban Planning and Design Theory	12E	1	Core
LW 202	Land Law I for Geomaticians	12E	1	Core
FN 250	Financial literacy	0	1	Core
MT 271	Statistics for Non- Majors	12E	2	Core
GT 213	Fundamentals of GIS and LIS	8E	2	Core
GT 214	Cadastral Surveying	8E	2	Core
GT 231	Adjustment Theory	8E	2	Core
GT 281	Project I: Cadastral Surveying	8	2	Core
LW 207	Land Law II for Geomaticians	12E	2	Core
GT 200	Practical Training I	8	2	Core
Third Year				
GT 333	Applied Adjustment Theory	12E	2	Core
GE 353	Geographical Information Systems (GIS)	12E	1	Core
GT 342	Geometrical Geodesy	8E	1	Core
GT 351	Space Geodetic Techniques	8E	1	Core
GT 355	Satellite Surveying	12E	1	Core
GT 362	Numerical Methods	8E	1	Core
***	*Elective I*	*8E*	*1*	Elective
GT 332	Control Surveys	8E	2	Core
GT 324	Mine Surveying	12E	2	Core
GT 343	Map Projections	8E	2	Core
GT 352	Physical Geodesy	8E	2	Core
GT 361	Differential Geometry	8E	2	Core
GT 358	Database Management Systems	8E	2	Core
GT 382	Project II: Control Surveying	12	2	Core
GT 200	Practical Training II	8	2	Core
***	*Elective II*	*8E*	2	Elective
Third Year Elective Courses				
TR 311	GIS Applications in Civil Engineering	8E	1	Elective
TR 321	Highway Route and Geometric Design	12E	1	Elective
SC 312	Research Methodology for Civil Engineers	8E	2	Elective
WR 322	Rivers and Reservoirs Engineering	8E	2	Elective
Fourth Year				

Code	Course Title	Credits	Semester	Status
GT 422	Engineering Surveying for Geomaticians	12E	1	Core
GT 453	Geophysics for Geomaticians	8E	1	Core
GT 454	Earth Gravity Field and its Applications	8E	1	Core
QS 452	Architectural Project Management	8E	1	Core
EI 354	Engineering Project Management	8E	1	Core
GT 483	Project III: Engineering Surveying	12E	1	Core
GT 498	Final Year Project I	8	1	Core
***	*Elective III*	*8E*	*1*	*Elective*
IE 445	Entrepreneurship for Engineers	12E	2	Core
GT 423	Hydrographic Surveying	12E	2	Core
GT 471	Industrial Metrology	12E	2	Core
GT 300	Practical Training III	8	2	Core
GT 499	Final Year Project II	16	2	Core
***	*Elective IV*	*8E*	*2*	*Elective*
Fourth Year Elective Courses				
IE 441	Human Resource Management for Engineers	8E	1	Elective
SC 401	Construction Techniques and Site Organization	8E	1	Elective
SC 432	Civil Engineering Procedures and Ethics	8E	2	Elective
WR 470	Environmental Impact Assessment	8E	2	Elective

DEPARTMENT OF ELECTRICAL ENGINEERING

Bachelor of Science in Electrical Engineering

First Year

Code	Course Title	Credits	Semester	Status
CL 111	Communication Skills for Engineers	12E	1	Core
DS 114	Development Perspectives I	12E	1	Core
TW 107	Building, Setting Out, Formwork and Brick Work Skills	6	1	Core
TW 125	Practical Electronics Engineering	6	1	Core
TW 113	Carpentry and Joinery	6	1	Core
TW 133	Electrical Machines and Installation Practice	6	1	Core
EE 173	Principles of Computer Programming	8	1	Core
ME 101	Engineering Drawing	8	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
SC 121	Statics	12	1	Core
DS 115	Development Perspectives II	12E	2	Core
TW 107	Building, Setting Out, Formwork & Brick Work Skills	6	2	Core
TW 125	Practical Electronics Engineering	6	2	Core
TW 113	Carpentry and Joinery	6	2	Core
TW 133	Electrical Machines and Installation Practice	6	2	Core
EE 133	Fundamentals of Electronics	12	2	Core
EE 154	Fundamentals of Electrical Engineering	12	2	Core
EE 155	Computer Aided Drafting for Electrical Engineers	8	2	Core
EE 174	Modelling and Simulations for Engineers	8	2	Core
MT 171	One Variable Calculus and Differential Equation for Non-Majors	12	2	Core
NOTE: A student shall take only Two courses per semester				
Second Year				
EE 232	Analogue Electronics	12E	1	Core
EE 241	Measurements and Instrumentation Engineering I	12E	1	Core
EE 251	Electrical Network Analysis I	8E	1	Core
EE 253	Engineering Electromagnetics I	8E	1	Core
ME 213	Electrical and Electronic Materials	8E	1	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
*FN 250	Financial Literacy	0	1	
EE 221	High Voltage Engineering	12E	2	
EE 222	Electrical Power Transmission and Distribution	12E	2	Core

Code	Course Title	Credits	Semester	Status
EE 242	Measurements and Instrumentation Engineering II	12E	2	Core
EE 252	Electrical Network Analysis II	8E	2	Core
EE 254	Engineering Electromagnetics II	8E	2	Core
ME 207	Mechanics of Machines	8E	2	Core
MT 271	Statistics for Non-Majors	12E	2	Core
EE 100	Practical Training I	8	2	Core
NOTE: * Financial Literacy Course (FN 250) is a self-study 90 hours online course with a pass or fail final grade. The pass mark is 70% and a student is required to complete the course within his/her period of study (the duration of BSc in Electrical Engineering Programme).				
Third Year				
EE 311	Electrical Machines I	12E	1	Core
EE 313	Power Electronics I	8E	1	Core
EE 321	Electrical Power System Analysis I	8E	1	Core
EE 331	Electronics for Engineers II	12E	1	Core
EE 341	Control Systems Engineering I	12E	1	Core
	Elective (Minimum 3.0 Units)	*12E*	*1*	
EE 312	Electrical Machines II	12E	2	Core
EE 314	Power Electronics II	8E	2	Core
EE 322	Electrical Power System Analysis II	8E	2	Core
EE 323	Electrical Power Utilization	12E	2	Core
EE 342	Control Systems Engineering II	12E	2	Core
EE 200	Practical Training II	8	2	Core
	Elective (Minimum 3.0 Units)	12E	2	
Elective courses for third year of study				
EE 324	HVDC Transmission	12E	1	Elective
TE 311	Introduction to Analogue Telecommunication I	12E	1	Elective
CS 353	Microcomputer Systems I	10E	1	Elective
ME 322	Renewable Energy Technologies	12E	2	Elective
TE 312	Introduction to Analogue Telecommunication II	12E	2	Elective
CS 354	Microcomputer Systems II	10E	2	Elective
Fourth Year				
EE 411	Electrical Machine III	12E	1	Core
EE 421	Electrical Power Plants	8E	1	Core
EE 422	Power System Operation and Control	12E	1	Core
IE 443	Industrial Safety and Maintenance	8E	1	Core
EE 498	Final Project I	8.0	1	Core
	Elective (Minimum 3.0 Units)	12E	1	
SC 430	General Engineering Procedures and Ethics	12E	2	Core
EE 423	Switchgear and Protection Engineering	12E	2	Core

Code	Course Title	Credits	Semester	Status
IE 445	Entrepreneurship for Engineers	12E	2	Core
EE 499	Final Project II	12	2	Core
EE 300	Practical Training III	8.0	2	Core
	Elective (Minimum 3.0 Units)	12E	2	
Elective courses for fourth year of study				
IE 440	Engineering Economics	8E	1	Elective
IE 441	Human Resources Management for Engineers	8E	1	Elective
CS 452	Microcomputer Systems III	8E	1	Elective
EE 415	Variable Speed Drives	12E	1	Elective
EE 416	Solid State Applications in Power Systems	12E	2	Elective
EE 414	Special Electrical Machines	12E	2	Elective

DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

Bachelor of Science in Chemical and Process Engineering

First Year

Code	Course Title	Credits	Semester	Status
MT 161	Several Variable Calculus for Non-Majors	12E	1	Core
TW 120	Fundamentals of CPE and Practice	6	1	Core
TW 126	Practical Electronics Engineering	6	1	Core
CL 111	Communication Skills for Engineers	12E	1	Core
EE 154	Fundamentals of Electrical Engineering	8E	1	Core
DS 114	Development Perspectives I	12E	1	Core
ME 101	Engineering Drawing	8	1	Core
SC 121	Statics	12E	1	Core
EE 173	Principles of Computer Programming	8E	1	Core
CP 102	Fundamentals of Chemical and Biochemical Engineering	8E	2	Core
EE 174	Modelling and Simulations for Engineers	8E	2	Core
CP 105	Materials and Energy Balance	12E	2	Core
DS 114	Development Perspectives II	12E	2	Core
CP 112	Workshop Training II	4	2	Core
ME 106	Strength of Materials I	8E	2	Core
MT 171	One Variable Calculus and Diff. Equations for Non-Majors	12E	2	Core
ME 103	Computer Aided Drafting	8.0	2	Core
Second Year				
CH 240	Physical Chemistry	12E	1	Core
ME 201	Design Methodology	8E	1	Core
ME 206	Strength of Materials II	12E	1	Core
CP 203	Engineering Thermodynamics	12E	1	Core
CP 211	Chemical Engineering Fluid Mechanics	12E	1	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
CH 117	Organic Chemistry	12E	2	Core
CH 219	Systematic Inorganic Chemistry	8E	2	Core
CH 270	Chemical Engineering Laboratory I	8	2	Core
CP 209	Biochemical Engineering	12E	2	Core
CP 260	Computer Application in Chemical Engineering	12	2	Core
MT 271	Statistics for Non-Majors	12E	2	Core
CP 100	Practical Training I	8.0	2	Core
Third Year				
CP 330	Unit Operations I	12E	1	Core
IE 340	Engineering Operations Management	12E	1	Core
CP 320	Quality Control in Chemical and Food Industries	8E	1	Core
	Elective I (minimum)	12	1	

Code	Course Title	Credits	Semester	Status
CP 350	Chemical Engineering Laboratory II	8.0E	1	Core
IE 440	Engineering Economics	8.0E	1	Core
CP 340	Heat and Mass Transfer	12E	2	Core
CP 325	Process Plant Equipment	12E	2	Core
CP 327	Reaction Engineering	12E	2	Core
CP 310	Elements of Environmental Engineering	12E	2	Core
CP 200	Practical Training II	8	2	Core
	Elective II (minimum)	12	2	
Third Year Elective Courses				
CP 371	Plastic Technology	12E	1	Elective
CP 379	Fermentation Technology and its Applications	12E	1	Elective
CP 374	Design of Experiments	12	1	Elective
CP 375	Process Plant Technologies	12	2	Elective
CP 376	Pulp and Paper Technology	12	2	Elective
Fourth Year				
CP 432	Unit Operations II	12E	1	Core
CP 425	Plant Design and Economics	12	1	Core
	Elective I (minimum)	12	1	Core
CP 498	Final Project I	8	1	Core
IE 443	Industrial Safety and Maintenance	8E	1	Core
CP 426	Process Dynamics and Control	12E	1	Core
CP 435	Gas and Petroleum Processing	8E	2	Core
CP 450	Chemical Engineering Laboratory III	8	2	Core
CP 499	Final Project II	12	2	Core
SC 430	General Engineering Procedures and Ethics	12E	2	Core
IE 445	Entrepreneurship for Engineers	12E	2	Core
CP 300	Practical Training III	8	2	Core
	Elective II (minimum)	*12*	*2*	Elective
Fourth Year Elective Courses				
CP 472	Introduction to Industrial Ecology	12E	2	Elective
CP 473	Risk Assessment and Management	12E	2	Elective
CP 479	Engineering Properties of Foods and Packaging Materials	12E	2	Elective

DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING

Bachelor of Science in Mechanical Engineering

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M. Mwapili, Adv. Dipl in Accounting (IFM, Dar), PGDA (TIA, Dar)

Supplies Officer and Head, Procurement Management Unit
J. H. Killo, PScP (SAUT), MSc. PSCM (Mzumbe), CPSP (PSPTB)

Supplies Officer
R. C. Olomi, Dipl. BA, BPSM (CBE Dar)

Senior Assistant Supplies Officer
V. I. Makero, ADPS (CBE), NSKC

Office Management Secretary I
A. A. Msangi, Certificate, Diploma (TPSC, Dar)
C. G. Kawiche, Certificate, Dilopma, Mdea I and II (TPSC Dar)

Office Management Secretary II
C. Masatu, Certificate, Diploma (TPSC, Tabora)

Records Management Assistant
E. G. Kanemba, Diploma (TPSC, Singida)

Office Attendants
D. S. Kilakala (Form IV)
P. Mlatie (Form IV)

DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING (CPE)
Senior Lecturer and Head
M. M. Said, BScEng, MSc, PhD (Dar)

Professors
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Senior Lecturers
M. M. Said, BScEng, MSc, PhD (Dar)
N. O. Msuya, BScEng, MScEng, PhD (Dar)

Lecturers
D. D. Kaombe, BScEng (Dar), MSc (Reading, UK), PhD (Trondheim)
K. K. Janga, BScEng, MSc (Dar), PhD (Trondheim)
Z. J. Katima, BScEng (Dar), MSc (Ghent), PhD (Tshwane)
J. M. Jeremiah, BSc, MSc, PhD (Dar)
A. K. Isibika, BSc, MSc (Dar), PhD (SLU, Uppsala)
D. L. Kaunga, BSc (Dar), MscEng (Newcastle), PhD (Bradford)

Assistant Lecturers
*E. Monge, BScEng, MSc (Dar)
*I. M. Sichone, BScEng (Dar), MSc (Stratchclyde)
*B. D. Issara, BSc (Dar), MSc (NTNU)
M. Luhasile, BSc (Dar), MSc (Tianjian), PhD (Shizuoka)
*S. M. Said, BScEng (Dar), MScCE (Newcastle)

Tutorial Assistants
G. Bunga, BSc (Dar)
*A. R. Joseph, BSc (Dar)
*E. D. Massawe, BSc (Dar)
*J. J. Abel, BSc (Dar)

Laboratory Engineer I
*M. F. Samki, BScEng (Dar)

Laboratory Engineer II
W. L. Marandu, BSc (Dar)

Laboratory Technician I
H. F. Shirima, BSc (DIT)

Laboratory Technician II
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B. G. Salum, Diploma (ATC)

Principal Office Management Secretary II
Johari Bakari Omari, Diploma (TPSC, Dar))

Senior Office Attendant II
G. J. Ndyamukama, Form IV

DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING
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Senior Lecturers
B. S. Ndazi, BScEng, MScEng, PhD (Dar)
I. J. Macha, BScEng (Dar), MSc (Stockholm), PhD (Sydney)
I. W. R. Taifa, BScEng (Dar), M.Eng (Gujarat), PhD (Manchester)
J. H. Kihedu, BScEng, MScEng (Dar), PhD (Nagoya)
J. M. Matindana, BScEng, MEM, PhD (Dar)
L. N. Mwenekitete, BSc, MSc, PhD (Dar)
M. H. Mtebwa, BScEng (Dar), MSc, PhD (Lausanne)
M. I. Mgwatu, BScEng (Dar), MScEng (Ottawa), PhD (Dar)
N. E. Mushi, BScEng (Dar), MSc, PhD (Stockholm)
P. M. Bulemo, BScEng (Dar), MSc (Manchester), PhD (Daejeon)
P. N. Bigambo, BScEng (Dar), MSc (Manchester), PhD (Leeds)
V. E. Mahabi, BScEng (Dar), MSc (Loughborough), PhD (Florida)
S. P. Ayeng'o, BScEng, MScEng (Dar), PhD (Aachen)
S. I. Marandu, BScEng, MScEng (Dar), PhD (Newcastle upon Tyne)
J. M. Kafuku, BScEng, MEM (Dar), PhD (Johor Bahru)

Lecturers
A. M. Mwakibambo, BScEng (Dar), MSc (Niederrheim), PhD (Manchester)
C. M. Kahabi, BA (Dar), MPhil (Manchester), PhD (Huddersfield)
D. A. Mahwera, BScEng (Dar), MPhil (Manchester), PhD (Huddersfield)
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H. J. Nyobuya, BScEng (ME), MScEng (Dar), PhD (Toyohashi)
I. J. Mwasubila, BScEng (Dar), MTech (Andhra Pradesh), PhD (Dar)
J. M. Bidu, BScEng (Dar), MSc (Niederrhein), PhD (KU Leuven)
J. M. Lutta, BArch. ID. (Dar), M.Arch (Dessau), PhD (KU Leuven)
J. V. Machuve, BScEng, MEM, PhD (Dar)
M. C. Materego, BScEng (Dar), MScEng (Sheffield), PhD (Leeds)
M. H. Mrango, BScEng (Dar), MSc, PhD (Manchester)
M. J. Mvungi, BScEng, MSc, PhD (Dar)

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M. S. Halinga, BScEng (Dar), MSc (Rutgers), PhD (Toyohashi)
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C. W. Nyaketoleka, BScEng (Dar), MSc (Eötvös Loránd)
F. V. Makonelah, BScEng, MScEng (Dar), PhD (Dar)
J. M. Ngowi, BScEng, MEM (Dar)
J. N. Msuya, BScEng, MSc (Dar)
J. Z. Mollel, BSc (Dar), MSc (Washington State)
L. R. Msalilwa, BScEng (Dar), MSc (Niederrheim)
T. H. Alexander, BSc (Dar), MSc (Uttarakhand)
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*V. S. Jorry, BScEng (Dar), MSc (Daejeon)

Tutorial Assistants
A. J. Kyamani, BScEng (Dar)
J. A. Jasson, BScEng (Dar)
P. L. Wese, BScEng (Dar)
*S. O. Mlabwa, BScEng (Dar)
*E. B. Mawala, BScEng (Dar)

Laboratory Engineer II
B. N. Fred BSc. Eng (Dar)
E. J. Moshi, BScEng (Dar)
R. H. Rashidi, BScEng (Dar)

Laboratory Technician II
F. C. Kalumna, Diploma (Mechanical Engineering) (Dar)
G. J. Analysis, Diploma (Mechanical Engineering) (Dar)
L. M. Jamhuri, Diploma in Mechanical Engineering (MUST) (Mbeya)

Laboratory Assistants
L. A. Kibona, Trade Test III (VETA-…….)
P. P. Atanas, Trade test III (ATC-Arusha)

Executive Assistant I-
E. G. Feksi, Basic Technician Certificate and Diploma in Secretarial Studies and Administration (TPSC, Tanga)

DEPARTMENT OF STRUCTURAL AND CONSTRUCTION ENGINEERING (SCE)
Lecturer and Ag. Head of Department
E. S. Leo, BSc.CEng (UDSM), MSc, PhD (UCT, Cape Town)

Associate Professors
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Senior Lecturer
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Lecturers
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M. M. Lubasa, BSc, MSc.QS (ARU), PhD (UDSM)

Assistant Lecturers
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A. H. Mwambingu, BSc.CEng, MSc (Rostov)
A. H. Philip, BSc.CEng, MSc (UDSM)
C. E. Kimaro, B. Arch (UDSM), M. Arch (ARU)
D. F. Msumba, B. Arch (ARU), MSc (Tianjin)
G. S. Lihuluku, BSc.BE, M.PM (ARU)
H. J. Mtyana, Adv. Dipl. (DIT), PGD, MSc (UDSM)
H. P. Mahindi, Dipl., BSc (DIT), MSc (UDSM)
I. P. Assenga, BSc.QS (UDSM), MSc.CEM (ARU)
M. M. Minja, B.Arch. (ARU), MSc (Grenoble)
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S. S. Munisi, B. Arch, MA (ARU)
S. S. Sheuya, B. Arch, M. Arch (ARU)
W. A. Mnozya, BSc.CEng (UDSM), MSc (Leeds, UK)
*A. C. Behitsa, BSc.LA, MArch (ARU)
*B. N. Lyakwipa, B. Arch (ARU), MSc.Eng (PoliMi, Milan)
*C. E. Olomi, B. Arch (ARU), MArch (Tianjin)
*C. J. Bhoke, B. Arch, MSc. CEM (ARU)
*G. F. Kalabezile, BScEng, MSc (ARU)
*L. K. Kakuru, B.Arch. (ARU), MArch (Nottingham, UK)
*M. B. Kilumile, BSc.CEng (UDSM), MSc (UPC, Barcelona)
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*W. W. Mrema, BSc.CEng (UDSM), MSc (Dundee, Scotland)
*Y. J. Myamba, BSc.CEng, MSc (UDSM)

Tutorial Assistants
B B. P. Mduma, BSc.CEng (UDSM)
C. W. Mbokela, BSc.CEng (UDSM)
D. E. Nnko, BSc.CEng (UDSM)

J. G. Emmanuel, B. Arch (ARU)
J. J. Samwel, B. Arch (UDSM)
K. M. Lwerengera, BSc.CEng (UDSM)
L. M. Mashauri, B. Arch (ARU)
P. D. Sanga, BSc.QS (UDSM)
R. Sanga, BSc.CEng (UDSM)
W. B. Mallya, BSc.QS (UDSM)

Principal Instructor I
H. J. Mwanga, BSc, MSc (Dar)

Senior Laboratory Technician II
E. S. Mwendo, FTC (Arusha Tech), BSc (Water Institute)

Laboratory Technician II
I. Y. Kimaro, Dipl. (DIT)

Laboratory Assistant II
O. A. Kashililika, FTC (Morogoro)
R. S. Kindojo, FTC (Songea)

DEPARTMENT OF TRANSPORTATION AND GEOTECHNICAL ENGINEERING (TGE)
Senior Lecturer and Head
P. M. S. Bujulu, BScEng (Dar), MScEng (Hanover), PhD (Trondheim)

Professor
D. A. Mfinanga, BScEng (Dar), MSc (Miyazaki), PhD (Kyushu)

Associate Professor
H. J. Bwire, BScEng, MSc, PhD (Dar)

Senior Lecturers
P. M. S. Bujulu, BScEng (Dar), MScEng (Hanover), PhD (Trondheim)
S. P. Rimoy, BScEng (Dar), MScEng, PhD (Imperial College)

Lecturers
A. P. Lubida, BScEng (Dar), MSc (SUA), PhD (Dar)
E. E. Rwakarehe, BScEng, MSc (Dar), PhD (New Brunswick)
E. J. Elvis, BScEng (Dar), MSc, PhD (Nottingham)
E. M. Fungo, BScEng, MSc (Dar), PhD (Stellenbosch)
J. E. Masaki, BScEng (Dar), MSc, PhD (Florida)
J. M. Ijumulana, BScEng (Dar), MSc (Netherlands), PhD (KTH, Stockholm)
J. M. Mango, BScEng (ARU), MSc (Karadeniz, Turkey), PhD (ECNU, China)
N. B. Charles, BScEng MSc (ARU), PhD (ARU)

Assistant Lecturers
*G. M. Paul, BScEng (Dar), MSc (Leeds)
C. S. Bachwenkizi, BSc, MSc (ARU)
*P. P. Shauri, BScEng (ARU), MSc (Belgium)

*S. A. Makuti, BSc (ARU), MSc (Twente), MSc (ARU)
*L. V. Kato, BScEng (ARU), MSc (Enschede)
*B. A. Nzoshe, BScEng (Dar), MSc (Tsukuba, Japan)
*G. J. Rugabandana, BscEng (ARU), MSc (Dar)
***F. K. Mutabazi, BScEng, MSc (Dar)

Tutorial Assistants
L. A. Ngulwa, BSc (ARU)
M. A. Ngogo, BSc (Dar)
*P. B. Barongo……..
*V. A. Msoma, BSc (Dar)
W. G. Mfinanga, BSc (Dar)

Senior Laboratory Engineer I
R. H. Maganga, BScEng (Dar) MSc (HE) (Dar)
G. J. Nchimbi, BScEng (Dar) MSc (ARU)

Laboratory Engineer I
Y. J. Lusega, ODE (ATC, Arusha), BEng (DIT, Dar)

Laboratory Engineer II
F. O. Msafiri, BScEng (MUST, Mbeya)
A. E. Shabani, Dipl. in Civil and Highway Eng (ATC), Bachelor in Civil and Irrigation Eng (ATC)

Senior Laboratory Scientist II
S. A. Muneja, BScEng (Dar), MSc (ARU)

Laboratory Scientist II
A. S. Simon, BScEng (Dar)
F. F. Rwegasira, BSc (ARU)
J. S. Makuri, BSc (ARU)

Senior Laboratory Technician II
L. E. Mwiganege, FTC (ATC, Arusha), BEng (St. Joseph, Dar)

Laboratory Technician I
F. F. Kibiki…….

DEPARTMENT OF WATER RESOURCES ENGINEERING (WRE)
Lecturer and Head
J. O. Mtamba, BScEng, MSc, PhD (Dar)

Professor Emeritus
F. W. Mtalo, BScEng, MSc (Dar), Dr. Ing (Munich)

Associate Professor
***P. M. Ndomba, BScEng, MSc, PhD (Dar)
J. N. Kirway, BScEng, MSc (Dar), PhD (Yokohama)
D. M. M. Mulungu, BScEng (Dar), MSc, PhD (Kyoto)

Senior Lecturers
R. J. Kimwaga, BScEng, MSc, PhD (Dar)
A. C. Alexander, BScEng, MSc (Dar), PhD (Tshwane)
F. J. Izdori, BScEng, MSc (Dar), PhD (Edinburgh)
E. R. Ndibalema, BScEng, MSc (Dar), PhD (NMAIST)
S. E. Munishi BScEng, MSc (Dar), PhD (Kwazulu Natal)

Lecturers
J. O. Mtamba, BScEng, MSc, PhD (Dar)
P. C. Valimba, BScEng, MSc (Dar), PhD (Grahams)
M. C. Kayombo, BScEng, MSc, PhD (Dar)
N. T. Kashaija, BScEng (ARU), MSc (Dar). PhD (ELTE-Budapest, Hungary)

Assistant Lecturers
*L. R. Maketa, BScEng (Dar), MSc (Dar)
*F. P. Shagega, BScEng, MSc (Dar)
*H. I. Magambo BScEng (ARU), MSc (Dar)
W. A. Mtiga, BScEng (ARU), MSc (Dar)

Tutorial Assistants
*V. E. Rweyemam, BScEng (Dar)
G. D. Mushi, BScEng (Dar)

Lab Engineer I
L. I. Marwa, BScEng (Dar)

Lab Engineer II
P. A. Mwesigwa, Dipl (Water Institute), B WRE (Water Institute)
Y. R. Ndolele, BSc (SUAMorogoro), MSc (IHE-Delft)
H. K. Machemba, BEng (Water Institute)

Lab Engineer III
S. J. Mbaga, BScEng (Dar)

Lab Technician II
M. E. Richard, Dipl (Water Institute…)
M. H. Fundi, Dipl (SUA, Morogoro)

Office Management Secretary I
R. O. Kasongwa, Certificate, Diploma (TPSC, Mtwara)

DEPARTMENT OF ELECTRICAL ENGINEERING
Senior Lecturer and Head
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Associate Professor
J. J. Justo, BScEng (Dar), PhD (Dongguk)

Senior Lecturers
A. T. Mushi, BScEng, MScEng (Dar), PhD (Yokohama)
F. A. Mwasilu, BScEng (Dar), PhD (Dongguk)
P. M. Makolo, BScEng (Dar), MScEng (Chalmers), PhD (Aucland)
S. L. Kihwele, BScEng, MScEng (Dar), PhD (Yonsei)

Lecturers
A. K. Kahwa, BSc (Dar), MSc (Yokohama, PhD (Yokohama)
A. M. Salimu, BScEng (Dar), MScEng (Dongguk), PhD (Shandong)
E. S. Matee, BScEng (Northumbria), MscEng (New Castle), PhD (Tennessee)
E. T. Marcel, BScEng (Dar), MSc (Manchester), PhD (Manchester)
H. Y. Mkindu, BSc (Wuhan), MSc (Dar), PhD (Harbin)
I. A. Mwammenywa, BScEng (Dar), MScEng (Mandela), PhD (Goethe Paderborn)
J. S. Mwakijale, BScEng, MSc (Dar), PhD (Paderborn)
*M. R. Msukwa, BScEng (Dar), MSc, PhD (Toyohashi)

Assistant Lecturers
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G. W. Mhagama, BScEng, MSc (Dar)
H. M. Munisi, BSc, MSc (Dar)
M. J. Magoma, BSc (DMI St Joseph), MSc (Chennai)
P. P. Chambela, BscEng, MSc (Dar)
S. D. Kigodi, BSc, MSc (Dar)
*D. J. Mwakalasi, BSc (Dar), MSc (Leeds)
*E. P. Mwaigaga, BScEng (Dar), MSc (Shandong)
*G. J. Nyahega, BScEng (Dar), MSc (Seoul)
*I. H. Masenge, BScEng, MSc (Dar)
*S. O. Kasinge, BScEng (Dar), MSc (Mandela)
*R. H. Myovela, BScEng (Dar), MSc (Nagoya)
*R. S. Mollel, BScEng (VIIsvesvaraya), MScEng (Arkansas)
Tutorial Assistants
R. B. Kundy, BSc (Dar)
*U. J. Nyitunze, BScEng (Dar)
* V. G. Jagadi, BSc (Dar)

Laboratory Engineer II
E. A. Msigwa, BScEng (Dar)
D. R. Mwaiswelo, BEng (DIT)

Laboratory Technician I
M. M. Mkwai, Ord. Dipl (DIT)

Laboratory Technician II
C. M. Magoti, Dipl (ATC)
E. M. Mwaiswaswa, Dipl (Mbeya)

Workshop Assistant II
G. B. Fulgensi

Office Management Secretary I
Z. A. Mchambe, Dipl (TPSC, Dar)

TRAINING WORKSHOPS (TWS)
Senior Instructor I and Head
G. P. Makusa, BScEng (Dar), MSc, PhD (Stokholm)

Principal Instructor I
W. R. Mwaruka, BScEng, MSc (Dar)

Principal Instructor II
J. S. Mnendendo, BSc (CE), MSc (HE) (Dar)

Principal Laboratory Technician I
R. J. Manota, FTC (DIT), ADE (MIST), MSc MEMM (DIT),

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Senior Instructor II
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R. D. Kokushuliza, BScEng, MSc (Dar)

Instructor I
E. W. Mkenda, DipEng (ATC), BScEng (DIT), MEng (DIT),
H. I. Jumaa, BScEng (Mozambique)
J. I. Kiyenzemale, BScEng (SAUT)
N. E. Pantaleo, BScEng (Dar)
M. S. Killo, FTC (DTC), ADE (DIT), PGD (Dar)
R. K. Joackim, BEng (MUST)

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F. R. Isingo, Dipl., BEng (DIT), MSc (Dar)
I. B. Mkala, Dipl., BEng (DIT)
K. P. T. Lema, Dipl (DIT), BSc (NIT)
J. I. Juma, BSc (Dar)

Senior Laboratory Engineer II
N. W. Mahuma, BScEng (Dar)

Laboratory Engineer I
A. E. Mwaibambe, BScEng (Dar)

Senior Artisan I
B. J. Mgini, Trade Test Grade I (VETA, Chang'ombe)

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D. R. Mutayoba, Trade Test Grade I (NVTC), CertPed (Germany)

Laboratory Assistant II
F. F. Mtafya, Cert (NTA 2)
G.J. Kitundu, Cert (NTA 3)

Laboratory Scientist II
A. A. Mchomvu, FTC (TCA), BScEng (OUT

Workshop Assistants I
A. L. Kwembe, Trade Test I, Dipl (MIST), BScEn (MUST)
T. R. Mwanjala, Trade Test I (NVTC)
Y. O. Juma, Cert (NTA 2)

Workshop Assistants II
A. A. Bakari, Trade Test II (VETA, Chang'ombe)
A. M. Makuti, Cert (VET, Kipawa), Dipl (Al-Maktoum, Dar)
A. Z. Hassan, Cert (Morogoro Vocational Teachers Training College)
J. S. Kayega, Trade Test III (VETA, Iringa & Mbeya)
M. R. Iddy, NVA Level III (VETA, Mbeya)
R. S. Athumani, NVA Level 2 (Kigoma, RVTSC), NVA Level 3 (Singida, VTC)
S. C. Shekalage, NVA Level III (VETA Tanga, VETA Chang'ombe, Dar)
S. J. Lugiko, Cert (FDC Sikonge, TABORA RVTSC, MVTTC)
W. E. Kaluwa, NVA Level III (VETA Iringa & Mbeya)

Office Management Secretary II
G.A. Mwandambo, Dipl (Mbeya)
D.J. Guna, Dipl (Dar)

TECHNOLOGY DEVELOPMENT AND TRANSFER CENTRE (TDTC)
Lecturer and Manager, Technology Development and Transfer Centre (TDTC)
E. E. Mbise, BScEng (Dar), MScTXT (Manchester), PhD (NTU)

Lecturer and Coordinator (Technology Development)
I. Mwamenywa, BSc (Dar), MScEng (Mandela), PhD (Paderborn)
Senior Lecturer and Coordinator (Technology Transfer)
N. O. Msuya, BScEng, MScEng, PhD (Dar)

Engineer and Head of Workshop (TDTC)
A. F. Kahendaguza BScEng, (DIT)

MULTIDISCIPLINARY WORKSHOP
Workshop Assistant I
Y. S. Mohamedi (Form IV, Electrical Installation Trade Test Grade I)
W. Y. Mlacha (Std VII, Fitter and Turner Trade Test Grade I)
A. C. Nyenyembe (Form IV, Electrical Installation Trade Test Grade I)

Senior Artisan II
J. H. Mwanahumu (Std VII, Welding Trade Test Grade I)

DEPARTMENT OF CENTRAL TECHNICAL SERVICES (CTS)
Principal Instructor I and Head, Central Technical Services
H. J. Mwanga, BScEng, M.Eng (Dar)

Principal Laboratory Engineer I and Coordinator of Maintenance
G. J. Nchimbi, BSc. (Dar), MSc (ARU)

Principal Workshop Technician I
A. M. Chambuso,

Principal Transport Officer I
S. R. Salume, Dipl. (TANESCO Tech. Institute), Adv. Dipl. (NIT), PGD UPM (UDSM), MBA (OUT)

Principal Driver
D. G. Kessy, Form IV (Moshi), Trade Test I & II (VETA), VIP Grade II & I (NIT)

Driver I
A. S. Halfani, Form IV, Basic Driving Cert (Kigoma), PSV (VETA, Kigoma), VIP Grade II (NIT), Motor Vehicle Driver Mechanics (VETA, Chang'ombe),
M. M. Makoye, Form IV (Alfagems), Basic Driving Cert (VETA), Trade Test II (NIT), VIP Grade II & I (NIT)

Senior Office Assistant I
F. R. Gaibu, Form IV (NIT)

Senior Office Attendant II
P. M. Michael, Form IV

Office Management Secretary I
F. S. Mkomeni, Certificate, Diploma, BSc. (TPSC, Tanga)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

COLLEGE OF HUMANITIES (CoHU)

INTRODUCTION

The College of Humanities (CoHU) comprises six academic departments namely:
1. Archaeology and Heritage Studies;
2. Creative Arts;
3. Foreign Languages and Linguistics;
4. History;
5. Literature; and
6. Philosophy and Religious Studies.

The College also has two centres, namely:
1. The Centre for Communication Studies (CCS); and
2. Humanities Research Centre (HRC).

The College operates in a semester system, in which the academic year is divided into two semesters. Each course is given credit weight according to the time devoted to it on the teaching timetable. All courses in the College consist of 12 credits, equivalent to 120 hours per semester (of 15 weeks). The following are the codes of the courses offered by the College:

CR: Creative Arts
CM: Chinese Languages
HI: History
AY: Archaeology
HM: Heritage Management
CL: Communication Studies
LL: Foreign Languages and Linguistics
LT: Literature
PL: Philosophy and Religious Studies

A student in the College must take at least 60 credits and at most 72 credits per semester. This means that a student must take a minimum of 120 credits and a maximum of 144 credits per year. For a three-year programme a student will be conferred a degree if he/she has attained from prescribed courses at least 360 credits and maximum of 432 credits.

The number of courses that students can opt from outside their departments have been determined by the respective departments in ways that maximize concentration on core courses considered to be most appropriate for the intended discipline specializations.

DEGREE PROGRAMMES

The College offers degree programmes as listed in Table 1. Every degree is anchored to a department, which is the hosting or offering department as indicated in the Table, except for the B. A. (Education) Degree which is coordinated by the office of the Coordinator Undergrduate Studies of the College.

Table 1: Degree Programmes in the College of Humanities

SN	Degree Programme	Hosting Department
1	B. A. (Language Studies)	Foreign Languages and Linguistics
2	B. A. (Literature)	Literature
3	B. A. (Literary and Publishing Studies)	Literatyue
4	B. A. (Art and Design)	Creative Arts
5	B. A. (Music)	Creative Arts

SN	Degree Programme	Hosting Department
6	B. A. (Theatre Arts)	Creative Arts
7	B. A. (Film and Television Studies)	Creative Arts
8	B. A. (History and Archive Management)	History
9	B. A. (Diplomatic and Defense Studies)	History
10	B. A. (History, Cultural Heritage Management &Tourism)	History
11	B. A. (Archaeology)	Archaeology and Heritage Studies
12	B. A. (Heritage Management)	Archaeology and Heritage Studies
13	B. A. (Archaeology and Geography)	Archaeology and Heritage Studies
14	B. A. (Archaeology and History)	Archaeology and Heritage Studies
15	B. A. (Philosophy and Ethics)	Philosophy and Religious Studies
16	B. A. (Religius Studies)	Philosophy and Religious Studies
17	B. A. (Communication Studies)	Centre for Communication Studies
18	B. A. (Education) (CoHU)	Principal's Office - Various Departments

Courses for any degree programme are classified as core, elective and college or university-wide. All degree programmes must comply with a minimum of 60 credits and a maximum of 72 credits per semester, except where stated otherwise in a specific program.

Table 2: College/University-wide courses

Code	Title	Status
HU 299	Second Year CoHU Practical Training (formerly CASS PT) (12 credits)	Core for all except B. A. (Education), B. A. (Archaeology) B. A. (Archaeology and History), B. A. (Archaeology and Geography) taking AY 220 and B. A. (Heritage Management taking AY 230)*
CL 106	Communication Skills for Arts and Social Sciences (12 credits)	Core for all Arts and Social Sciences programmes, except where the department decides otherwise
CL 107	Communication Skills for Sciences (12 credits)	Elective for CONAS and COAF programmes except where the department decides otherwise
CL 108	Business Communication (12 credits)	Core for UDBS students
CL 111	Communication Skills for Engineers (12 credits)	Core for all Engineering students except where the department decides otherwise
PL 111	Introduction to Critical Thinking and Argumentation (12 credits)	Core for all except B. A. (Education)
DS 114	Development Perspectives I (12 credits)	Core for all
DS 115	Development Perspectives II (12 credits)	Core for all

**For purposes of accounting, students taking AY 220 and AY 230 during the long vacation, do so in place of, not in addition to or along with, HU 299.*

Admission Criteria

Admission into degree courses in the College follows criteria set by the University. Unless otherwise specified below, admission into any undergraduate degree programme in the College requires a minimum of at least two principal passes of the Advanced Certificate of Secondary Education Examination (ACSEE) in arts (social science) subjects or equivalent qualifications. Note that "equivalent qualifications" may be different between programmes and some programmes do not apply equivalent qualifications.

The following degree courses have modified admission criteria as follows:

B.A. (Language Studies)

Direct entry: At least Two Principal level passes in Language courses, two of which must be "C" grade or above in either Kiswahili, English or French.

Equivalent Entry: Diploma in Education recognised by UDSM Senate with an average of "B+" or a minimum GPA of 3.5.

B.A. (Literature)

Direct entry: At least Two Principal level passes in English and Kiswahili.

Equivalent Entry: Diploma in Education having English or Literature as a teaching subject recognised by UDSM Senate, with an average of "B+" or a minimum GPA of 3.5.

B.A. (Literary and Publishing Studies)

Direct entry: Two Principal level passes in the following subjects: English, Literature in English and Kiswahili in the Advanced Certificate of Secondary Education Examination (ACSEE) with at least a Credit level in English or Literature in English in Certificate of Secondary Education Examination (CSEE).

Equivalent Entry: Diploma in Education having English or Literature as a teaching subject recognised by UDSM Senate, with an average of "B+" or a minimum GPA of 3.5.

B.A. (Arts and Design)

Direct Entry: At least Two Principal passes in any Arts, Business OR Science subjects.

Equivalent Entry: Diploma in any subject recognised by UDSM Senate with an average of "B+" or minimum GPA of 3.5.

B.A. (Music)

Direct Entry: Two Principal passes in any Arts, Business OR Science subjects.

Equivalent Entry: Diploma in any subject recognized by UDSM Senate with GPA not less than 3.5 or an average of "B" grade or distinction.

B.A. (Theatre Arts)

Direct Entry: Two Principal passes in any Arts, Business OR Science subjects.

Equivalent Entry: Diploma in any subject recognised by UDSM Senate with an average of "B+" or minimum GPA of 3.5.

B.A. (Film and Television Studies)

Direct Entry: Two Principal passes in any Arts, Business OR Science subjects.

Equivalent Entry: Diploma in any subject recognised by UDSM Senate with an average of "B+" or minimum GPA of 3.5.

B.A. (History and Archive Management)

Direct Entry: At least Two Principal level passes, one of which must be in History, with a "D"

grade or above, and a principal pass in other subjects like English, Kiswahili, Economics, Geography, Fine Arts, French or Arabic.

Equivalent Entry: Diploma in Architecture, Archival Studies, Records Management, Library or Social Work recognised by UDSM Senate with an average of "B+" or a GPA of 3.5.

B.A. (Diplomatic and Defense Studies)

Direct Entry: At least Two Principal level passes, one of which must be in History, with a "C" grade, and principal pass in other subjects like English, Kiswahili, Economics, Geography, Fine Arts, French or Arabic.

Equivalent Entry: Diploma in Diplomatic Studies, and in Legal Studies recognised by UDSM Senate with an average of "B+" or a minimum GPA of 3.5.

B.A. (History, Cultural Heritage Management and Tourism)

Direct Entry: At least Two Principal level passes, one of which must be in History, with a "D" grade and principal pass in other subjects like English, Kiswahili, Economics, Geography, Fine Arts, French, or Arabic.

Equivalent Entry: Diploma in Tourism, Social Work and Records Management recognised by UDSM Senate with an average of "B+" or a minimum GPA of 3.5.

B.A. (Archaeology)

Direct Entry: At least Two Principal level passes, in the Arts and Science subjects.

Equivalent Entry: Diploma in Social Work, Sociology, Cultural Heritage Management, Architecture, Geology or Education recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

B.A. (Heritage Management)

Direct Entry: At least Two Principal level passes, one in **History**.

Equivalent Entry: Diploma in Heritage, Architecture, Education, Library, Social Work, Sociology, Records Management, Cultural Heritage Management, Tourism, Law or Wildlife recognised by UDSM Senate, with an average of "B+'' or a minimum GPA of 3.5.

B.A. (Archaeology and Geography)

Direct Entry: At least Two Principal level passes in the following subjects: History, Geography, Physics, Chemistry, Advanced Mathematics, or Computer Science.

Equivalent Entry: Diploma in Geography, Environmental Studies, History, Sociology or Social Work recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

B.A. (Archaeology and History)

Direct Entry: At least Two Principal level passes, one in **History**.

Equivalent Entry: Diploma in Social Work, Sociology, Cultural Heritage Management, Architecture, Geology or Education recognized by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

B.A. (Philosophy and Ethics)

Direct Entry: At least Two Principal passes in the following subjects: History, Geography, Kiswahili, English Language, French, Arabic, Fine Art, Economics, Commerce, Accountancy, Physics, Chemistry, Biology, Advanced Mathematics, Agriculture, Computer Science or Nutrition.

Equivalent Entry: Diploma in Philosophy recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

B.A. (Religious Studies) -
B.A. (Communication Studies)

Direct Entry: Certificate of Secondary Education Examination (CSEE) or equivalent, with passes in FIVE approved subjects Three of which must be at Credit level obtained prior to sitting for the Advanced Certificate of Secondary Education Examination (ACSEE) or equivalent.

(a) Advanced Certificate of Secondary Education Examination (ACSEE) in Two Principal passes with a total of 5.0 points in Three Subjects.

Equivalent Entry: Diploma in Communication Studies, Public Relations, Education, Management, Tourism, Journalism and Mass Communication recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

B. A. with Education

Direct Entry: Two principal passes in the following combinations: i) Social Sciences (History, Geography); ii) Languages (Kiswahili, Fasihi ya Kiswahili, English Language, Literature in English, French, Chinese, Academic Communication); iii) Arts (Fine Art, Theatre Arts, Music, Textile and Garment Construction); iv) Business (Economics, Business Studies and Accountancy); v) Religion (Islamic Knowledge and Divinity at Advanced Certificate Secondary Education Examination (ACSEE).

Equivalent Entry: Diploma in Education recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

Post-Admission Change of Degree Programmes

A student will not be allowed to change from a degree programme he/she was admitted to another unless the candidate's points are equal to or higher than the cut-off point of the destination programme and provided that subjects passed comply fully with the requirements of the destination degree programme.

Students selected from Butimba Teachers' Training College and Taasisi ya Sanaa na Utamaduni Bagamoyo (TaSUBa, formerly the Bagamoyo College of Arts) for B. A. (Art and Design), B. A. (Film and Television Studies), B. A. (Music) and B. A. (Theatre Arts), as well as those selected from the UDSM Diploma in Heritage Management and Tour Guidance for B. A. (Heritage Management) or degree shall NOT change courses, Departments or Colleges because they have been admitted on restrictive criteria.

General Degree Regulations

1 A student admitted to the College of Humanities shall be enrolled in one of the degree courses listed above. Degree courses in the College of Humanities shall be of three-year duration.
2. In order to graduate from the College, a student ((except those taking BA with Education) must take and pass a minimum of 360 credits and a maximum of 432 credits. A student taking BA (Education) must take and pass 384 credits of core courses and at least 24 creditis of elective courses.
3. Each student must take a minimum of 60 credits and a maximum of 72 credits per semester. Except for BA. (Education), a student must take a minimum of 60 credits and the maximum of 76 per semester

College Examination Regulations:

1. The regulations shall apply to all first, second-and third-year Bachelor of Arts examinations in the College.

2. All first-year students shall register at the beginning of the first semester. Continuing students shall register at the end of the academic year for courses to be taken in the following year. Registration of courses shall be done online through the Academic Registration Information System (ARIS).
3. The University Examinations shall include the entire process of assessment, that is, coursework assignments and tests, practical and final examinations.
4. All courses offered during a semester shall be examined at the end of that semester except where the Principal of the College gives permission otherwise.
5. Assessment of the student's progress shall be based on the following grading system:
   A: 70 - 100 %
   B+:60 - 69 %
   B: 50 - 59 %
   C: 40 - 49 %
   D: 35 - 39 %
   F: 0 - 34 %

6. Course grade will be based on an end of course examination (University Examination) and a coursework assessment. The former (UE) shall constitute 60% of the total course assessment whereas the latter (course assessment) shall constitute 40%, normally split as follows: 20% from tests and other assignments, 10% from seminar presentation and another 10% from attendance and participation.
7. For purposes of degree computation, these grades shall have the values of:
   A = 5
   B+ = 4
   B = 3
   C = 2
   D = 1
   F = 0

8. The pass mark in each of the course taken shall be "C". The mark for "absolute fail" shall be "F".
   (i) Courses shall be weighted by multiplying the final grade of a given course by the number of its course credits.
   (ii) Course grades multiplied by the appropriate credits weighting will be accumulated over the whole period of study and will form the basis for the assessment of the degree.
   (iii) The degree classification shall be based on the best 360 credits from the courses permitted under the degree programme.

9. The final Bachelor of Arts degree shall be graded as first class, upper second class, lower second class and pass as follows:

First Class	4.4 – 5.0
Upper Second	3.5 – 4.3
Lower Second	2.7 – 3.4
Pass	2.0 – 2.6

10. In each case, the average point shall be calculated on the basis of truncation after the first decimal point (e.g., 4.39 shall be taken as 4.3).
11. A student failing a course in any year shall be required to supplement provided the overall GPA is not less than 1.8. Supplementary examination shall be marked out of 60% and the coursework marks (out of 40%) shall be added to the supplementary marks to give the student a "C", "D", or "F" grade. That means a course that has been supplemented shall be awarded a maximum of "C" grade.

12. Provided the overall GPA after supplementary examination is 2.0 or above, a student who fails supplementary examinations will be allowed to carry over flexibly into the subsequent academic years such number of failed courses as are requisite for the fulfilment of the requirement of passing a total minimum number of course credits for the programme in compliance with General Regulation 2 above.
    (i) A carried-over course must be taken in full, including all the coursework and it shall be assessed like a supplementary course with a grade of "C", "D" or "F".
    (ii) The carried-over course or courses must be cleared within the maximum allowable registration period, namely five years.

13. Special examinations given at the time of supplementary examinations will be treated as first sitting and graded as such.
14. A student who for satisfactory reasons has not completed an important portion of his/her coursework shall be awarded an "I" ("Incomplete") grade.
    (i) A student who has been awarded an "I" grade is required to clear the grade during the time of supplementary examinations for that academic year. Except with the approval of the College Board, any "I" grade not cleared at the time of the supplementary examinations will automatically become "F".
    (ii) A student who has obtained an "F" grade due to "I" will be required to carry over the relevant course and shall be treated like any other carried-over course as per regulation 2.1 above.

15. A student who obtains less than 16 marks in his/her coursework grade will be deemed to have failed the coursework, and will be barred from taking the examination in that course.
    (i) A student who is so barred will be required to carry over the course, other regulations permitting.
    (ii) A student shall be discontinued from studies at the University on academic grounds if either he/she attains an overall GPA of less than 1.8 outright (during first sitting), or he/she obtains a GPA of less than 2.0 after sitting for supplementary examinations.

16. Students must clear all courses within 5 years for 3-year programme. Any student who has failed to clear any course at the end of the maximum period shall be deemed to have failed the programme and will not be awarded a degree.

Practical Training Courses

The following are practical training courses which are carried out during the long-vacation, that is, outside the two 15-weeks semesters. They are core for the degree programmes as shown below:

First Year

First Year Special Practical Training in the Department of Archaeology and Heritage Studies

Code	Title	Status	Credits	Degree programme
AY 120	Field Training in Archaeology-Survey	Core	12	B. A. (Archaeology) B. A. (Archaeology and History) B. A. (Archaeology and Geography) B. A. (Heritage Management)

Duration: 8 weeks of long-vacation

Second Year

Second Year Special Practical Training in the Department of Archaeology and Heritage Studies

Code	Title	Status	Credits	Degree programme
AY 220	Field Training in Archaeology (Excavation)	Core	12	B. A. (Archaeology) B. A. (Archaeology and History) B. A. (Archaeology and Geography)
AY 230	Practical Training in Heritage Management	Core	12	B. A. (Heritage Management)

Duration: 8 weeks of long-vacation

Third Year

Practical Teaching Practice Training (PTTTP) for all B. A. (Education) Students

First Semester

Code	Title	Status	Credits	Degree programme
CT 356, CT 354, CT 355, CT 351, CT 350, CT 349 CT 357, CT 352, CT 347, CT 348, CT 346, CT 353	Teaching Subject I Secondary Education Method 1	Core	10	B. A. (Education)
	Teaching Subject II Secondary Education Method 1	Core	10	B.A. Education

Second Semester

Code	Title	Status	Credits	Degree programme
CT 374, CT 372, CT 373, 369, CT 368, CT 375, CT 367, CT 370, CT 365, CT 366, CT 364, CT 371	Teaching Subject I Secondary Education Method 2	Core	26	B. A. (Education)
	Teaching Subject II Secondary Education Method 2	Core	26	

N.B.: Each Teaching subject has its own codes for Secondary education method 1 and 2. All secondary education methods courses are administered by the School of Education.

CoHU Practical Training (HU299, CL 223 or HI 299)

The College of Humanities organizes a practical training programme for all second year students except those who are taking B. A. (Archaeology), B. A. (Heritage Management), B. A. (Archaeology and Geography), B. A. (Archaeology and History) and B. A. (Education). The programme starts after the end of the second semester of the second year and lasts for eight weeks. It is administered by the office of the Principal, CoHU.

CoHU Practical Training (Creative Arts - Inter-semester PT)

Objectives of Practical Training

The main objective of the training is to enable students to acquire work experience related to their studies in different working places in the country.

The specific objectives of the practical programme are:

a. To enable students apply or learn the practical applications of the theory they learn at the University in solving real-life problems;
b. To minimize over-emphasis on theory and thus give some weight to practical work experience;
c. To give students ample opportunity to acquire appropriate work experience to complement academic training so that they will be able to serve their communities better after graduation;
d. To allow institutions and users of our end products assess the quality and relevance of our graduates and guide the College on how best to improve our pedagogy; and
e. To establish and maintain close contacts between employers and the College and between the College and the ministry responsible for offering particular knowledge and experience.

Assessment Procedures for Practical Training (HU 299)

Assessment of Practical Training is based on the following distribution of marks (Table 3):

Table 3: Practical Training (HU 299) Assessments

Training officer's assessment	30%
Student's logbook	20%
Supervisor's report	30%
Written report	20%
Total	**100%**

Note that students in B. A. (Diplomatic and Military History) and B. A. (History, Cultural Heritage Management and Tourism) must be assessed/supervised by UDSM historians.

The marks are used to give grades to the Practical Training, from "A" to "E" as per standard allocation. This grade has credit and contributes to semester and final GPA.

A student who fails will have to undergo a supplementary training period during the inter-semester vacation of the third year or thereafter so long as he/she does not exceed the maximum allowable time of his/her degree (currently 5 years) and at his/her own cost. A student will not be allowed to graduate until he/she clears the course.

Courses with 3-weeks Field Research Component

Courses that have a field research component of three weeks and are specifically done during the inter-semester break of third year are:

Code	Title	Status	Credits	Department
CA 355	Documentation and Archiving	Core	12	Creative Arts
CA 328	Advanced Film Directing	Core	12	Creative Arts
CA 349	Play Production	Core	12	Creative Arts
CA 323	Special Studies in Textile Design	Elective	12	Creative Arts

DEPARTMENT OF CREATIVE ARTS

For first year students the department offers four-degree programmes in creative arts namely, B. A. (Art and Design), B. A. (Music), B. A. (Theatre Arts) and B. A. (Film and Television).

Students are required to take all core courses as indicated for each degree programme or area of specialisation. Shaded totals represent the minimum required credits per semester basing on the core courses. All specialisations carry the same number of minimum required number of credits for the programme. A student may choose one or two additional elective course(s) from the list provided under a relevant semester and not from elsewhere. Compulsory second-year Practical Training (HU 299) conducted for 8 weeks during the long vacation, i.e., outside the two classroom semesters, is not included in the total minimum/maximum count.

B.A. (Arts and Design)

Code	Title	Status	Credits
First Year: Semester I			
DS 114	Development Perspective I	Core	12
CL 106	Communication Skills for the Humanities and Social Sciences	Core	12
CR 100	Creative Arts and Society	Core	12
CR 110	Introduction to Computer Aided Design	Core	12
A student must choose at least ONE of the following courses			
CR 113	Introduction to Printmaking	Elective	12
CR 118	Introduction to Fashion and Textile Pattern Design	Elective	12
Total			**72**
First Year: Semester II			
DS 115	Development Perspective II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
CR 111	Introduction to Drawing	Core	12
CR 112	Introduction to Painting	Core	12
A student must choose at least ONE of the following courses			
CR 114	Introduction to Photography	Elective	12
CR 117	Introduction to Graphic Design	Elective	12
CR 119	Introduction to Animation	Elective	12
Total			**72**
Second Year: Semester I			
CR 200	Art Communication and Social Mobilization	Core	12
CA 216	Studies in African Art	Core	12
CR 211	Applied Drawing	Core	12
CR 210	Applied Computer Aided Design	Core	12

Code	Title	Status	Credits
A student must choose at least ONE of the following courses according to Specialization			
Specialization One (Art)			
CR 215	Applied Sculpture (By Invitation)	Elective	12
Specialization Two (Design)			
CR 218	Applied Fashion and Textile Pattern Design	Elective	12
CR 251	Applied Visual Art and Advertising	Elective	12
CR 200	Art Communication and Social Mobilization	Core	12
Total			**60**
Second Year: Semester II			
HU 299	Practical Training in Humanities	Core	12
CR 261	Contemporary African Art	Core	12
CR 212	Applied Painting	Core	12
A student must choose at least ONE of the following courses according to Specialization			
Specialization One (Art)			
CR 213	Applied Printmaking	Elective	12
CR 214	Applied Photography	Core	12
Specialization Two (Design)			
CR 217	Applied Graphic Design	Core	12
CR 219	Applied Animation	Elective	12
Total			**72**
Third Year: Semester I			
CR 300	Management of the Creative Arts	Core	12
CR 390	Research in the Creative Arts	Core	12
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
A student must choose at least ONE of the following courses According to Specialization			
Specialization One (Art)			
CR 312	Special Project in Painting (Inter semester Field Attachment after 5th semester)	Core	12-
CR 311	Special Project in Drawing	Elective	12-
Specialization Two (Design)			
CR 318	Special Project in Fashion and Textile Patterns Design (Inter semester Field Attachment after 5th semester)	Core	-
CR 311	Special Project in Drawing	Elective	-
Total			**72**

Third Year: Semester II			
CR 301	Creative Arts and Tourism	Core	120
CR 302	Creative Art and Gender	Core	12
CR 310	Art Exhibition Management	Core	12-
CR 316	History of World Art	Core	12
A student must choose ONE or TWO of the following courses According to Specialization			
Specialization One (ART)			
CR 314	Special Project in Photography	Core	12-
CR 313	Special Project in Printmaking	Elective	12-
CR 315	Special Project in Sculpture	Elective	12-
Specialization Two (Design)			
CR 317	Special Project in Graphic Design	Elective	12-
CR 319	Studies Project in Animation	Elective	12-
Total			**72**

B.A. (Music)

First Year: Semester I

Code	Title	Status	Credits
DS 114	Development Perspective I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
CR 100	Creative Arts and Society	Core	12
CR 121	Fundamentals of Music	Core	12
CR 122	Piano Instruction	Elective	12
CR 123	Music Technology I	Elective	12
CR 141	Fundamentals of Film	Elective	12
Total			**84**

A student must choose at least One of the given elective courses.

First Year: Semester II

DS 115	Development Perspective II	Core	12
CR 125	Music Theory I	Core	12
CR 126	Selected Instruments I	Core	12
PL111	Introduction to Critical Thinking and Argumentation	Core	12
CR 127	Music Technology II	Elective	12
CR 128	Foundations in Ethnomusicology	Elective	12
CR 144	Cinematography	Elective	12
Total			**84**

A student must choose at least One of the given elective courses.

Year Two: Semester I

Code	Title	Status	Credits
CR 200	Arts Communicationn and Social Mobilization	Core	12
CR 221	Music Theory II	Core	12
CR 222	Selected Instrument II	Core	12
CR 224	Music Cultures of Tanzania	Core	12
CR 228	Ngoma performance	Elective	12
CR223	Music Technology III	Elective	12
CR 244	Cinematography II	Elective	12
Total			

Year Two: Semester II

HU 299	Practical Training in the Humanities	Core	12
CR229	Music Culture of Africa	Core	12
CR225	Music Theory III	Core	12
CR226	Selected Instrument III	Core	12
CR227	Music Technology and Production	Elective	12
CR246	Film Sound	Elective	12
Total			84

A student must choose at least One of the given elective courses.

Third Year: Semester I

Code	Title	Status	Credit
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
CR300	Management and Marketing of the Creative Arts	Core	12
CR321	Composition and Arranging	Core	12
CR322	Music Ensemble	Elective	12
CR323	Sound Design	Elective	12
CR390	Research in the Creative Arts	Core	12
Total			**72**

A student must choose at least One of the given elective courses.

Third Year: Semester II

Code	Title	Status	Credit
CR301	Creative Art and Tourism	Core	12
CR302	Creative Arts and Gender	Core	12
CR324	Music Documentation and Archiving	Core	12
CR329	Music Cultures of the World	Core	12
CR327	Project in Music Technology, Production and Sound Design	Elective	12
Total			**72**

A student must choose at least One of the given elective courses.

BA Theatre Arts

First Year: Semester I

Course	Course Name	Status	Credit
DS 114	Development Studies I	Core	12
CL 106	Communication Skills for the Humanities and Social Sciences	Core	12
CR 100	Creative Arts and Society	Core	12
CR 130	Theatre Arts History I	Core	12
A student must choose at least One of the following elective courses			
CR 135	Play Writing I	Elective	12
CR 139	Theatre for Children and Young People	Elective	12
Total			**72**

First Year: Semester II

DS 115	Development Studies II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
CR 133	Acting I	Core	12
CR 136	Applied Theatre	Core	12
A student must choose at least One of the following elective courses			
CR 132	Play Production and Design I	Elective	12
CR137	Radio Drama I	Elective	12
Total			**72**

Year Two: Semester I Specialisation One (Community Theatre)

Code	Title	Status	Credit
CR 200	Art Communication and social mobilization		
CR 230	Theatre Arts History II	Core	12
CR 234	Directing I	Core	12
CR 236	Theatre and Drama in Education	Core	12
A student must choose at least One but not exceed Two of the following elective courses			
CR 235	Play Writing II	Elective	12
CR 228	*Ngoma* Performance	Elective	12
CR224	Music Cultures of Tanzania	Elective	12
Total			**84**
Year 2: Semester I Specialization Two (Theatre and performance)			
CR 200	Art Communication and Social Mobilization	Core	12
CR 230	Theatre Arts History II	Core	12
CR 234	Directing I	Core	12

Code	Title	Status	Credit
CR 231	Dance I	Core	12
CR 235	Play Writing II	Elective	12
CR228	*Ngoma* Performance	Elective	12
CR224	Music Cultures of Tanzania	Elective	12
Total			**72**

Year 2: Semester II Specialization One (Community Theatre)

Code	Title	Status	Credit
HU 299	Practical Training in Humanities	Core	12
CR 238	Stand-up Comedy and Storytelling Performance I	Core	12
CR 239	Drama Therapy	Core	12
CR 237	Directing II	Core	12
CR 232	Dance II	Core	12
A student must choose at least One but not exceed Two of the following elective courses			
CR 241	Screenplay Writing	Elective	12
CR 215	Studies in African Arts	Elective	12
CR 229	Music Culture of Africa	Elective	12
Total			**96**
Specialization Two (Theatre and performance)			
HU 299	Practical Training in Humanities	Core	12
CR 238	Stand-up Comedy and Storytelling Performance I	Core	12
CR 233	Acting II	Core	12
CR 232	Dance II	Core	12
CR 237	Directing II	Core	12
A student must choose at least One but not exceed Two of the following elective courses			
CR 241	Screenplay Writing	Elective	12
CR 215	Studies in African Arts	Elective	12
CR 229	Music Culture of Africa	Elective	12
Total			**96**

Third Year: Semester One

Code	Title	Status	Credit
CR 300	Management and Marketing of the Creative Arts		
CR 390	Research in the Creative Arts	Core	12
CR 330	Theatre Arts History III	Core	12
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
A student must choose at least One of the following elective courses			
CR 331	Dance III	Elective	12

CR 332	Play Production and Design II	Elective	12
Total			**72**
Year 3: Semester II			
CR 336	Theatre for Development (TfD)	Core	12
CR 301	Creative Arts and Tourism	Core	12
CR 302	Creative Arts and Gender	Core	12
CR 345	Film for Development	Core	12
A student must choose at least One but not exceed Two of the following elective courses			
CR 348	Television Drama	Elective	12
CR 337	Radio Drama II	Elective	12
CR 338	Stand-up Comedy and Storytelling Performance II	Elective	12
Total			**84**

BA Film and Television

First Year: Semester I

Course	**Status**	**Credit**
DS 114 Development Studies I	Core	12
CL 106 Communication Skills for the Arts and Social Sciences	Core	12
PL 111 Introduction to Critical Thinking and Argumentation	Core	12
CR 142 Film and Television Practices in Tanzania	Core	12
Total Credits		**48**

First Year, Second Semester

DS 115 Development Studies II	Core	12
CR 100 Creative Arts and Society	Core	12
CR 141 Film and Television Production I	Core	12
CR 144 Cinematography I	Core	12
CR 145 Screenwriting I	Core	12
Total Credits		

Second Year, First Semester

CR 200 Art Communication and Social Mobilization	Core	12
CR 240 Film and Television Production II	Core	12
CR 242 Editing I	Core	12
CR 243 Film and Television Theories	Core	12
A student must select One of the following courses		
CR 244 Screenwriting II	Elective	12
CR 245 Cinematography II	Elective	12
CR 246 Production Management	Core	12
Total Credits		

Second Year, Second Semester

CR 247 African Cinema and Cinematic Practices	Core	12
CR 248 Directing for Screen	Core	12
CR 249 Film and Television Sound	Core	12
CR 250 Film and Television Technologies	Core	12
A student must select One of the following courses		
CR 251 Production Design for Screen	Elective	12
CR 252 Editing II	Elective	12
Total Credits		**72**

Third Year, First Semester

CR 300 Management and Marketing of the Creative Arts	Core	12
CR 390 Research in the Creative Arts	Core	12
CR 302 Creative Arts and Gender	Core	12
CR 341 Film Business	Core	12
A student must select One of the following courses		
CR 342 Music Video Production	Elective	12
CR 301 Creative Arts and Tourism	Elective	12
Total Credits		**72**

Third Year, Second Semester

CR 343 Independent Project	Core	12
CR 344 Film for Development	Core	12
CR 345 Directing for Screen II	Core	12
CR 346 Television Drama	Core	12
A student must select One of the following courses		
CR 347 Documentary Production	Elective	12
CR 348 Film Analysis and Curation	Elective	12
Total Credit		**72**

DEPARTMENT OF FOREIGN LANGUAGES AND LINGUISTICS

The Department offers one degree programme, namely Bachelor of Arts in Language Studies, which is delivered in six specialisation streams: (I) English and Linguistics; (II) English and French; (III) English and Kiswahili; (IV) English and Chinese; (V) French and Kiswahili; and (VI) French and Chinese.

Students must choose one specialisation stream and maintain it throughout the three-year duration of the programme. Students are required to take all core courses as indicated in each specialisation stream. Shaded totals represent the total credits from core courses in each semester. If the total credits from core courses in a semester are less than 60, a student must choose at least one elective course from the list provided under a relevant semester and not from elsewhere.

B. A. (Language Studies)
Specialisation Stream I: English and Linguistics

First Year: Semester I			
Code	Title	Status	Credits
LL 101	Introduction to Linguistic Structure	Core	12
LL 104	Introduction to Sign Language	Core	12
LL 119	English Listening and Speaking Skills	Core	12
DS 114	Development Perspectives I	Core	12
Total			**48**
A student MUST choose One or two of the following electives:			
LT 101	Introduction to Literature	Elective	12
LL 105	Contact Linguistics	Elective	12
CL 131	Communication in the Digital Age	Elective	12
First Year: Semester II			
LL 108	Biological Aspects of Language	Core	12
LL 120	English Reading and Writing Skills	Core	12
LL 130	Editing and Proofreading I	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 115	Development Perspectives II		
Total			**60**
+ A student MAY choose One of the following electives:			
LL 106	Language Change	Elective	12
LT 119	Literature and the Art of Writing	Elective	12
CL 136	Human Communication and Customer Experience	Elective	12
Second Year: Semester I			
LL 203	Introduction to Semantics	Core	12
LL 207	Dictionary Writing	Core	12
LL 231	Introduction to Translation	Core	12
LL 233	Editing and Proofreading II	Core	12

LL 290	Research Methods in Language Studies	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 225	Introduction to English Phonetics and Phonology	Elective	12
LT 217	Editing Literary Texts	Elective	12
CL 207	Communication and Human Relations	Elective	12
Second Year: Semester II			
LL 204	Introduction to Tanzanian Sign Language	Core	12
LL 220	English Grammar	Core	12
LL 234	Translation Practice	Core	12
LL 236	Introduction to Interpreting	Core	12
HU 299	Practical Training in the Humanities**	Core	12
FN 250	Financial Literacy	Core	0
Total			**60**
A student MAY choose One of the following electives:			
LL 202	Morphology	Elective	12
LL 218	English Rhetoric	Elective	12
LT 231	Literary Style and the English Language	Elective	12
CL 220	Business and Professional Communication	Elective	12
Third Year: Semester I			
LL 301	Syntax	Core	12
LL 307	African Language Structures	Core	12
LL 317	Introduction to English Pragmatics	Core	12
LL 333	Editing and Proofreading III	Core	12
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 303	Historical and Comparative Linguistics	Elective	12
LT 311	Publishing Theory and Practice	Elective	12
CL 311	Organisational Communication	Elective	12
Third Year: Semester II			
LL 302	Sociolinguistics	Core	12
LL 304	Tanzanian Sign Language Structure	Core	12
LL 318	The Study of Discourse	Core	12
LL 334	Translation Project	Core	12
LL 336	Interpreting Practice	Core	12
Total			**60**

A student MAY choose One of the following electives:			
LL 322	Second Language Acquisition	Elective	12
LL 324	Language Learning and Technology	Elective	12
LT 325	Speech Writing and Analysis	Elective	12
CL 314	Public Speaking	Elective	12
HU 399*	Undergraduate Dissertation	Elective	24

*** By Invitation Only**

Specialisation Stream II: English and French

First Year: Semester I			
Code	Title	Status	Credits
LL 101	Introduction to Linguistic Structure	Core	12
LL 119	English Listening and Speaking Skills	Core	12
LL 185	Intermediate Communication Skills in French	Core	12
LL 187	French Text Analysis	Core	12
DS 114	Development Perspectives I	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 104	Introduction to Sign Language	Elective	12
LT 101	Introduction to Literature	Elective	12
CL 131	Communication in the Digital Age	Elective	12
First Year: Semester II			
LL 120	English Reading and Writing Skills	Core	12
LL 130	Editing and Proofreading I	Core	12
LL 184	Oral Proficiency in French	Core	12
LL 186	Literature in French I	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 115	Development Perspectives II	Core	12
Total			**72**
Second Year: Semester I			
LL 231	Editing and Proofreading II	Core	12
LL 233	French Grammar	Core	12
LL 285	Introduction to Translation	Core	12
LL 287	Presentation Skills in French	Core	12
LL 290	Research Methods in Language Studies	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 225	Introduction to English Phonetics and Phonology	Elective	12
LT 217	Editing Literary Texts	Elective	12

CL 207	Communication and Human Relations	Elective	12
Second Year: Semester II			
LL 220	English Grammar	Core	12
LL 234	Translation Practice	Core	12
LL 236	Introduction to Interpreting	Core	12
LL 284	French Linguistic Theories	Core	12
HU 299	Practical Training in the Humanities**	Core	12
FN 250	Financial Literacy	Core	0
Total			**60**
A student MAY choose One of the following electives:			
LL 204	Introduction to Tanzanian Sign Language	Elective	12
LL 286	Sociolinguistics of French Language	Elective	12
LT 231	Literary Style and the English Language	Elective	12
CL 220	Business and Professional Communication	Elective	12
Third Year: Semester I			
LL 317	Introduction to English Pragmatics	Core	12
LL 333	Editing and Proofreading III	Core	12
LL 385	Argumentation Skills in French	Core	12
LL 387	French for Tourism	Core	12
HU 301	Entrepreneurial and Innovation in the Humanities	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 301	Syntax	Elective	12
LT 311	Publishing Theory and Practice	Elective	12
CL 311	Organisational Communication	Elective	12
Third Year: Semester II			
LL 318	The Study of Discourse	Core	12
LL 334	Translation Project	Core	12
LL 336	Interpreting Practice	Core	12
LL 386	Literature in French II	Core	12
LL 388	French Applied Linguistics	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 302	Sociolinguistics	Elective	12
LL 304	Tanzanian Sign Language Structure	Elective	12

LL 322	Second Language Acquisition	Elective	12
LL 324	Language Learning and Technology	Elective	12
LT 325	Speech Writing and Analysis	Elective	12
CL 314	Public Speaking	Elective	12
HU 399*	Undergraduate Dissertation	Elective	24

*** By Invitation Only**

Specialisation Stream III: English and Kiswahili

First Year: Semester I			
Code	Title	Status	Credits
LL 101	Introduction to Linguistic Structure	Core	12
LL 119	English Listening and Speaking Skills	Core	12
DS 114	Development Perspectives I	Core	12
KF 102	Utangulizi wa Fasihi ya Kiswahili (Simulizi na Andishi)	Core	12
KI 119	Fonetiki na Fonolojia ya Kiswahili	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 104	Introduction to Sign Language	Elective	12
LT 101	Introduction to Literature	Elective	12
CL 131	Communication in the Digital Age	Elective	12
First Year: Semester II			
LL 120	English Reading and Writing Skills	Core	12
LL 130	Editing and Proofreading I	Core	12
PL 111	Introduction to Critical Thinking and argumentation	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi ya Kiswahili	Core	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Core	12
DS 115	Development Perspectives II	Core	12
Total			**72**
Second Year: Semester I			
LL 231	Introduction to Translation	Core	12
LL 233	Editing and Proofreading II	Core	12
LL 290	Research Methods in Language Studies	Core	12
KI 218	Tafsiri: Nadharia na Vitendo	Core	12
KF 226	Uhariri Katika Matini za Kiswahili	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 225	Introduction to English Phonetics and Phonology	Elective	12
LT 217	Editing Literary Texts	Elective	12
CL 207	Communication and Human Relations	Elective	12

KF 223	Ushairi wa Kiswahili	Elective	12
Second Year: Semester II			
LL 220	English Grammar	Core	12
LL 234	Translation Practice	Core	12
LL 236	Introduction to Interpreting	Core	12
KI 215	Ukalimani: Nadharia na Vitendo	Core	12
HU 299	Practical Training in the Humanities**	Core	12
FN 250	Financial Literacy	Core	0
Total			**60**
A student MAY choose One of the following electives:			
LL 204	Introduction to Tanzanian Sign Language	Elective	12
LL 218	English Rhetoric	Elective	12
LT 231	Literary Style and the English Language	Elective	12
CL 220	Business and Professional Communication	Elective	12
KI 226	Mbinu za Uandishi wa Kiswahili	Elective	12
Third Year: Semester I			
LL 317	Introduction to English Pragmatics	Core	12
LL 333	Editing and Proofreading III	Core	12
KI 310	Sintaksia ya Kiswahili	Core	12
KF 319	Tamthiliya ya Kiswahili	Core	12
HU 301	Entrepreneurial and Innovation in the Humanities	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 301	Syntax	Elective	12
LT 311	Publishing Theory and Practice	Elective	12
CL 311	Organisational Communication	Elective	12
Third Year: Semester II			
LL 318	The Study of Discourse	Core	12
LL 334	Translation Project	Core	12
LL 336	Interpreting Practice	Core	12
KI 311	Semantiki na Pragmatiki ya Kiswahili	Core	12
KI 324	Ujasiriamali Katika Tafsiri na Ukalimani	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 302	Sociolinguistics	Elective	12
LL 304	Tanzanian Sign Language Structure	Elective	12

LL 322	Second Language Acquisition	Elective	12
LL 324	Introduction to Language Learning and Technology	Elective	12
LT 325	Speech Writing and Persuasion	Elective	12
CL 314	Public Speaking	Elective	12
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Elective	12
HU 399*	Undergraduate Dissertation	Elective	24

*** By Invitation Only**

Specialisation Stream IV: English and Chinese

First Year: Semester I			
Code	Title	Status	Credits
LL 101	Introduction to Linguistic Structure	Core	12
LL 119	English Listening and Speaking Skills	Core	12
DS 114	Development Perspectives I	Core	12
CM 107	Comprehensive Chinese I	Core	12
CM 110	Chinese Listening and Speaking I	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 104	Introduction to Sign Language	Elective	12
LT 101	Introduction to Literature	Elective	12
CL 131	Communication in the Digital Age	Elective	12
First Year: Semester II			
LL 120	English Reading and Writing Skills	Core	12
LL 130	Editing and Proofreading I	Core	12
PL 111	Introduction to Critical Thinking and argumentation	Core	12
CM 104	A Grammar of Chinese Language as a Second Language I	Core	12
DS 115	Development Perspectives II	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 106	Language Change	Elective	12
LT 119	Literature and the Art of Writing	Elective	12
CL 136	Human Communication and Customer Experience	Elective	12
Total			**60**
Second Year: Semester I			
LL 231	Introduction to Translation	Core	12
LL 233	Editing and Proofreading II	Core	12
LL 290	Research Methods in Language Studies	Core	12

CM 206	Chinese Writing Skills I	Core	12
CM 211	Chinese Listening and Speaking II	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 225	Introduction to English Phonetics and Phonology	Elective	12
LT 217	Editing Literary Texts	Elective	12
CL 207	Communication and Human Relations	Elective	12
CM 208	Comprehensive Chinese II	Elective	12
Second Year: Semester II			
LL 220	English Grammar	Core	12
LL 234	Translation Practice	Core	12
LL 236	Introduction to Interpreting	Core	12
CM 212	Chinese Writing Skills II	Core	12
FN 250	Financial Literacy	Core	12
HU 299	Practical Training in the Humanities**	Core	0
Total			**60**
A student MAY choose One of the following electives:			
LL 204	Introduction to Tanzanian Sign Language	Elective	12
LL 218	English Rhetoric	Elective	12
LT 231	Literary Style and the English Language	Elective	12
CL 220	Business and Professional Communication	Elective	12
CM 204	Chinese Oral Literature	Elective	12
Third Year: Semester I			
LL 317	Introduction to English Pragmatics	Core	12
LL 333	Editing and Proofreading III	Core	12
CM 305	Chinese Contemporary Literature	Core	12
CM 311	Practical Translation in English and Chinese	Core	12
HU 301	Entrepreneurial and Innovation in the Humanities	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 301	Syntax	Elective	12
LT 311	Publishing Theory and Practice	Elective	12
CL 311	Organisational Communication	Elective	12
Third Year: Semester II			
LL 318	The Study of Discourse	Core	12
LL 324	Language Learning and Technology	Core	12
LL 334	Translation Project	Core	12
LL 336	Interpreting Practice	Core	12
CM 304	Introduction to Chinese Semantics	Core	12
Total			**60**

A student MAY choose One of the following electives:			
LL 302	Sociolinguistics	Elective	12
LL 304	Tanzanian Sign Language Structure	Elective	12
LL 322	Second Language Acquisition	Elective	12
LT 325	Speech Writing and Analysis	Elective	12
CL 314	Public Speaking	Elective	12
HU 399*	Undergraduate Dissertation	Elective	24

*** By Invitation Only**

Specialisation Stream V: French and Kiswahili

First Year: Semester I			
Code	Title	Status	Credits
LL 101	Introduction to Linguistic Structure	Core	12
LL 185	Intermediate Communication skills in French	Core	12
LL 187	French text analysis	Core	12
KI 119	Fonetiki na Fonolojia ya Kiswahili	Core	12
DS 114	Development Perspectives I	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 104	Introduction to Sign Language	Elective	12
LT 101	Introduction to Literature	Elective	12
CL 131	Communication in the Digital Age	Elective	12
KF 102	Utangulizi wa Fasihi ya Kiswahili (Simulizi na Andishi)	Elective	12
			12
First Year: Semester II			
LL 130	Editing and Proofreading I	Core	12
LL 186	Literature in French I	Core	12
PL 111	Introduction to Critical Thinking and argumentation	Core	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Core	12
DS 115	Development Perspectives II	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 184	Oral Proficiency in French	Elective	12
LT 119	Literature and the Art of Writing	Elective	12
CL 136	Human Communication and Customer Experience	Elective	12
KF 103	Nadharia na Uhakiki wa Fasihi ya Kiswahili	Elective	12
Second Year: Semester I			
LL 231	Introduction to Translation	Core	12
LL 233	Editing and Proofreading II	Core	12
LL 285	French Grammar	Core	12
LL 290	Research Methods in Language Studies	Core	12

KI 218	Tafsiri: Nadharia na Vitendo	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 287	Presentation Skills in French	Elective	12
LT 217	Editing Literary Texts	Elective	
KF 223	Ushairi wa Kiswahili	Elective	12
KF 226	Uhariri katika Matini za Kiswahili	Elective	12
CL 207	Communication and Human Relations	Elective	12
Second Year: Semester II			
LL 234	Translation Practice	Core	12
LL 236	Introduction to Interpreting	Core	12
LL 284	French Linguistic Theories	Core	12
KI 215	Ukalimani: Nadharia na Vitendo	Core	12
FN 250	Financial Literacy	Core	
HU 299	Practical Training in the Humanities**	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 204	Introduction to Tanzanian Sign Language	Elective	12
LL 286	Sociolinguistics of French Language	Elective	12
LT 231	Literary Style and the English Language	Elective	12
CL 220	Business and Professional Communication	Elective	12
KI 226	Mbinu za Uandishi wa Kiswahili	Elective	12
Third Year: Semester I			
HU 301	Entrepreneurial and Innovation in the Humanities	Core	12
LL 333	Editing and Proofreading III	Core	12
LL 385	Argumentation Skills in French	Core	12
LL 387	French for Tourism	Core	12
KI 310	Sintaksia ya Kiswahili	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LT 311	Publishing Theory and Practice	Elective	12
CL 311	Organisational Communication	Elective	12
KF 319	Tamthiliya ya Kiswahili	Elective	12
Third Year: Semester II			
LL 334	Translation Project	Core	12
LL 336	Interpreting Practice	Core	12
LL 386	Literature in French II	Core	12
LL 388	French Applied Linguistics	Core	12
KI 324	Ujasiriamali katika Tafsiri na Ukalimani	Core	12
Total			**60**

A student MAY choose One of the following electives:			
LL 302	Sociolinguistics	Elective	12
LL 304	Tanzanian Sign Language Structure	Elective	12
LT 325	Speech Writing and Analysis	Elective	12
CL 314	Public Speaking	Elective	12
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Elective	12
KI 311	Semantiki na Pragmatiki ya Kiswahili	Elective	12
HU 399	Undergraduate Dissertation	Elective	24

*** By Invitation Only**

Specialisation Stream VI: French and Chinese

First Year: Semester I			
Code	Title	Status	Credits
LL 101	Introduction to Linguistic Structure	Core	12
LL 185	Intermediate Communication skills in French	Core	12
CM 107	Comprehensive Chinese I	Core	12
CM 110	Chinese Listening and Speaking I	Core	12
DS 114	Development Perspectives I	Core	12
Total			**60**
A student MAY choose One of the following electives:			
LL 104	Introduction to Sign Language	Elective	12
LL 187	French text analysis	Elective	12
LT 101	Introduction to Literature	Elective	12
CL 131	Communication in the Digital Age	Elective	12
First Year: Semester II			
LL 130	Editing and Proofreading I	Core	12
LL 184	Oral Proficiency in French	Core	12
LL 186	Literature in French I	Core	12
PL 111	Introduction to Critical Thinking and argumentation	Core	12
CM 104	A Grammar of Chinese Language and a Second Language I	Core	12
DS 115	Development Perspectives II	Core	12
Total			**72**
Second Year: Semester I			
LL 290	Research Methods in Language Studies	Core	12
LL 231	Introduction to Translation	Core	12
LL 233	Editing and Proofreading II	Core	12
LL 285	French Grammar	Core	12
CM 206	Chinese Writing Skills I	Core	12
Total			**60**
+ A student MAY choose One of the following electives:			
LL 287	Presentation Skills in French	Elective	12
CM 208	Comprehensive Chinese II	Elective	12
CM 211	Chinese Listening and Speaking II	Elective	12
CL 207	Communication and Human Relations	Elective	12

LT 217	Editing Literary Texts	Elective	12
Second Year: Semester II			
FN 250	Financial Literacy	Core	-
HU 299	Practical Training in the Humanities**	Core	12
LL 234	Translation Practice	Core	12
LL 236	Introduction to Interpreting	Core	12
LL 284	French Linguistic Theories	Core	12
CM 212	Chinese Writing Skills II	Core	12
Total			**60**
+ A student MAY choose One of the following electives:			
LL 286	Sociolinguistics of French Language	Elective	12
CM 204	Chinese Oral Literature	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12
LL 218	English Rhetoric	Elective	12
CL 220	Business and Professional Communication	Elective	12
LT 231	Literary Style and the English Language	Elective	12
Third Year: Semester I			
HU 301	Entrepreneurial and Innovation in the Humanities	Core	12
LL 333	Editing and Proofreading III	Core	12
LL 385	Argumentation Skills in French	Core	12
LL 387	French for Tourism	Core	12
CM 305	Chinese Contemporary Literature	Core	12
Total			**60**
+ A student MAY choose One of the following electives:			
CM 311	Practical Translation in English and Chinese	Elective	12
CL 311	Organisational Communication	Elective	12
LT 311	Publishing Theory and Practice	Elective	12
Third Year: Semester II			
LL 334	Translation Project	Core	12
LL 336	Interpreting Practice	Core	12
LL 386	Literature in French II	Core	12
LL 388	French Applied Linguistics	Core	12
CM 304	Introduction to Chinese Semantics	Core	12
Total			**60**
+ A student MAY choose One of the following electives:			
LL 322	Second Language Acquisition	Elective	12
LL 324	Language Learning and Technology		
LL 302	Sociolinguistics	Elective	12
LL 304	Tanzanian Sign Language Structure	Elective	12
CL 314	Public Speaking	Elective	12
LT 325	Speech Writing and Analysis	Elective	12
HU 399	Undergraduate Dissertation (By Invitation)	Elective	24

Total minimum number of (core) units for B. A. (Language Studies) programme: 376

CENTRE FOR COMMUNICATION STUDIES

The Centre for Communication Studies (CCS) offers one bachelor programme, Bachelor of Arts in Communication Studies (B. A. Communication Studies - BACS). A student will be required to take one or two additional elective course(s) from the list provided under a relevant semester and *not* from elsewhere.

Compulsory second-year Practical Training (CL 223) is conducted for 8 weeks during the long vacation, *i.e.*, outside the two classroom semesters. A list of core and elective courses by year of study is shown in the table bellow:

Code	Course Title	Status	Credits
First Year: Semester I			
CL 120	Introduction to Communication	Core	12
CL 122	Intercultural Communication	Core	12
CL 131	Communication in the Digital Age	Core	12
*DS 114	Development Perspectives I	Core	12
A student should choose One of the following courses:			
CL 124	Non-verbal Communication	Elective	12
*CR 110	Introduction to Computer Aided Design	Elective	12
*CR 141	Fundamentals of Film and Television Production	Elective	12
Total			**72**
First Year: Semester II			
CL 125	Interpersonal Communication	Core	12
CL 132	Communication Ethics	Core	12
*DS 115	Development Perspectives II	Core	12
*PL 111	Introduction to Critical Thinking and Argumentation	Core	12
A student should choose Two of the following courses:			
CL 134	Infographics	Elective	12
CL 136	Human Communication and Customer Experience	Elective	12
*CR 117	Introduction to Graphic Design	Elective	12
*KF 107	Mawasiliano Changamani ya Kiswahili	Elective	12
Total			**72**
Second Year: Semester I			
CL 210	Professional Writing	Core	12
CL 211	Communication and Social Change	Core	12
CL 212	Social Media Communication	Core	12
CL 213	Public Speaking	Core	12
A student should choose Two of the following courses:			
CL 214	Applied Communication for Social Issues	Elective	12
CL 215	Gender Issues and Communication	Elective	12

Code	Course Title	Status	Credits
CL 216	Communication in Health Services Provision	Elective	12
*CA 202	Advanced Graphic Design	Elective	12
*CA 222	Applied Computer Aided Design	Elective	12
Total			**72**
Second Year: Semester II			
CL 217	Communication Policy Design	Core	12
CL 218	Organisational Communication	Core	12
CL 219	Research Methods in Communication	Core	12
CL 220	Business and Professional Communication	Core	12
**CL 223	Practical Training	Core	12
A student should choose One of the following courses:			
CL 221	Communication and Disaster Mitigation	Elective	12
CL 222	Leadership Communication	Elective	12
*LL 218	English Rhetoric	Elective	12
*CA 252	Principles of Still Photography	Elective	12
*CA 262	Principles of Animation	Elective	12
Total			**72**
Third Year: Semester I			
CL 300	Communication in Public Management	Core	12
CL 301	Strategic and Corporate Communication	Core	12
CL 302	Environmental Communication	Core	12
CL 303	Information Management for Communication Specialists	Core	12
A student should choose Two of the following courses:			
CL 304	Communication and Virtual Organising	Elective	12
CL 305	Political Communication	Elective	12
LL 332	Introduction to Editing and Proofreading	Elective	12
Total			**72**
Third Year: Semester II			
CL 306	Communication in Conflict Management	Core	12
CL 307	Argumentative Communication and Advocacy	Core	12
CL 308	International and Diplomatic Communication	Core	12
CL 309	Marketing Communication	Core	12
*LL 317	Introduction to English Pragmatics.	Core	12
A student should choose One of the following courses:			
*PR 311	Propaganda and Persuasion	Elective	12
CL 310	Communication and Labour Market	Elective	12
Total			**72**

*Courses offered outside CCS

** Practical training

The Centre also provides service courses for different programmes. The courses offered are as follows:

First Year: Semester I		
Code	**Title**	**Credit**
CL 106	Communication Skills for Arts and Social Sciences (NON-EDUCATION)	12
CL 111	Communication Skills for Engineering Studies	12
First Year: Semester II		
CL 106	Communication Skills for Arts and Social Sciences (EDUCATION and ECONOMICS)	12
CL 107	Communication Skills for Science	12
CL 108	Business Communication	12

The Centre also provides communication consultancy services and training to organisations and businesses. This includes offering strategic guidance, conducting communication audits, developing effective communication strategies and providing expertise in areas such as crisis communication, public relations, document translation, editing, ghostwriting, report writing and internal communication. The consultancy services aim to enhance organisational communication effectiveness and achieve specific communication goals, tailor made communication skills and language-based trainings, workshops and clinics to students and general public. Such trainings can be requested by the clients or scheduled by the Centre on demand.

DEPARTMENT OF HISTORY

The Department of History offers three undergraduate degree programmes. These are B.A. (Bachelor of Arts in History and Archives Management), B.A. (Diplomatic and Defense Studies) and B.A. (History, Cultural Heritage Management and Tourism).

For All: Students are required to take all the core courses as indicated. Shaded totals represent the minimum required credits per semester basing on the specified core courses. A student may take one additional Elective course from the list provided under a relevant semester and *not* from elsewhere. HI 399 (Dissertation) can be opted only by invitation, that is, with permission of the Department.

For All Programmes except those taking B.A. (History): Compulsory second-year Practical Training (HI 299) conducted for 8 weeks during the long vacation, *i.e.*, outside the two classroom semesters, is not included in the total minimum/maximum count.

For those taking B.A. (History): Compulsory second-year Practical Training (FASS PT) conducted for 8 weeks during the long vacation, i.e., outside the two classroom semesters, is not included in the total minimum/maximum count.

B.A. (Bachelor of Arts in History and Archives Management (BAHAM))

Code	Course Title	Status	Credit
First Year: Semester I			
HI 129	Introduction to Archives	Core	12
HI 131	Historical Concepts, Sources and Writing	Core	12
HI 133	History of Archives and Records Management in Tanzania	Core	12
DS 114	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Methods	Core	12
AY 100	Introduction to Archaeology*	Elective	12
HI 103	Capitalism and Imperialism in World History*	Elective	12
Total			**60**
First Year: Semester II			
PL 111	Introduction to Critical Thinking and Argumentation*	Core	12
HI 102	Survey of World History to ca. 1500.	Core	12
DS 115	Development Perspectives II	Core	12
HI 130	African History to ca.1880	Core	12
HI 134	History of Archiving	Core	12
HI 136	Ethics and Laws Governing Archives and Records Management	Elective	12
Total			**60**
56 credits are below the 60-minimum. Hence, a student must add only one course so as not to violate the 72 credits allowable maximum for the semester.			
*A student **must** choose only One from the following*			

Second Year: Semester I			
HI 207	Principles of Archiving and Records Management	Core	12
HI 2017	The Science of Organizing Records	Core	12
HI 241	African History from 1880 to the 1950s	Core	12
HI 245	History of Tanzania to ca 1960	Core	12
HI 273	Research Methods in the Historical Scholarship	Core	12
HI 211	Records Keeping and the Politics of Knowledge Creation	Elective	12
HI 224	Tanzania and the History of Liberation Struggles*	Elective	12
Total			**60**
Second Year: Semester II			
HI 204	Creation and Maintenance of Archives for Public and Private Institutions	Core	12
HI 210	Changing Technologies in Archival Documentation and Records Management	Core	12
HI 246	African History Since Independence	Core	12
HI 270	Health, Disease and Healing in African History	Core	12
HI 264	Africa and World Religions*	Elective	12
HI 272	Science and Technology in World History	Elective	12
HI 229	Etiquette, Protocol and Decorum	Elective	
Total			**60**
Third Year: Semester I			
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
HI 301	Collection, Conservation and Security of Archival Records	Core	12
HI 308	Theory and Practice in Archival Research	Core	12
HI 260	Philosophies and Methodologies of History	Core	12
HI 368	Oral Histories in Tanzania: Theory	Core	12
HI 345	Modern History of Tanzania from 1961 to the Present	Core	12
Total			**72**
Third Year: Semester II			
HI 306	Archives, Records and Governments	Core	12
HI 350	Nation Building in Post-colonial Africa	Core	12
HI 352	Comparative Industrialization in World History	Core	12
HI 367	Population and Urban History of Tanzania	Core	12
HI 380	Evolution of Ethnic Identities in Tanzania	Elective	12
HI 336	Regional Economic Integration and Contemporary Diplomacy in Africa*	Elective	12
HI 354	History of African Diaspora	Elective	12
HI 366	Topics in African Environmental History*	Elective	12
Total			**60**

B.A. (Diplomatic and Defense Studies)

First Year: Semester I			
Code	**Title**	**Status**	**Credit**
HI 120	Introduction to the History of Diplomacy	Core	12
HI 121	Introduction to the History of War and Strategy	Core	12
HI 122	National Interests and Statecraft in History I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
DS 114	Development Perspectives I	Core	12
HI 131	Historical Concepts, Sources and Writing	Core	12
Total			**72**
First Year: Semester II			
HI 123	Diplomatic and Consular Practices in Historical Perspective	Core	12
HI 124	Introduction to Peace and Security Diplomacy	Core	12
HI 125	Introduction to Tanzania's Strategic Neighbourhood	Core	12
HI 235	Conference Diplomacy and International Organization	Core	12
DS 115	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
Total			**72**
Second Year: Semester I			
HI 237	Global Affairs	Core	12
HI 221	National Security Strategies in World History	Core	12
HI 222	War, Patriotism and Nationalism	Core	12
HI 223	National Interests and International Negotiations Diplomacy	Core	12
HI 224	Tanzania and the History of Liberation Struggles	Elective	12
HI 227	Globalization and National Defence	Elective	12
HI 266	War and Warfare in World History	Elective	12
Total			**60**
Second Year: Semester II			
HI 228	Defence and National Development	Core	12
HI 229	Etiquette, Protocol and Decorum	Core	12
HI 230	The Art of War: Theory and History	Core	12
HI 238	International Law in Global Relations	Core	12
HI 232	Colloquium on Military Strategy and Doctrines	Core	12
HI 234	Tanzania's National Defence Architecture	Elective	12
HI 299	Practical Training in Diplomatic and Military History	Elective	0
Total			**60**
Third Year: Semester I			
HI 330	Ethics of War and Peace in Contemporary World	Core	12
HI 331	Foreign and Defence Policy Analysis	Core	12

HI 339	Regional Defence and Security Dynamics	Core	12
HI 333	Introduction to Civil-Military Relations	Core	12
HI 335	The United Nations System	Core	12
HI 334	Evolution of Warfare in Contemporary Times	Elective	12
HI 345	Modern History of Tanzania from 1961 to the Present	Elective	
Total			**60**
Third Year: Semester II			
HI 338	Conflict Reconstructions and Peace Building in Contemporary History	Core	12
HI 336	Regional Economic Integration and Contemporary Diplomacy in Africa	Core	12
HI 346	Humanitarian an Law and Armed Conflicts	Core	12
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
HI 341	Diplomatic and Consular Practices in Historical Perspective II	Core	12
HI 340	The Indian Ocean Geo-Political Security	Elective	12
HI342	Wars and Militarism in History	Elective	12
HI 344	History of Global Capitalism and Competitiveness	Elective	12
Total			**60**

B. A. (History, Cultural Heritage Management and Tourism)

Code	Title	Status	Credits
First Year: Semester I			
HI 112	Basic Concepts in History, Cultural Heritage Management and Tourism	Core	12
HI 131	Historical Concepts, Sources and Writing	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
DS 114	Development Perspectives I	Core	12
HI 103	Capitalism and Imperialism in World History	Elective	12
AY 100	Introduction to Archaeology	Elective	12
CR 100	Arts and Society	Elective	12
Total			**72**
First Year: Semester II			
HI 130	African History to ca.1880	Core	12
HI 114	Historiography of Cultural Heritage Management and Tourism	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 115	Development Perspectives II	Core	12
HI 102	Survey World History of Civilization to ca.1500 CE	Elective	12
HM 103	Heritage Conservation in Africa	Elective	12
HI 134	History of Archiving	Elective	12
Total			**72**

Code	Title	Status	Credits
Second Year: Semester I			
HI 213	Historical Interpretation of Cultural	Core	12
HI 244	Survey of the World History from the Mid-20th Century to the Present	Core	12
HI 275	Cultural Memories and Commemorations in East Africa	Core	12
HI 242	African History from 1880 to the 1950s	Core	12
HI 245	History of Tanzania to ca. 1960	Core	12
FN 250	Financial Literacy	Core	12
HI 224	Tanzania and the History of Liberation Struggles in Africa	Elective	12
HI 203	Principles of Archiving and Records Management	Eective	12
AY 222	African Civilization	Elective	12
Total			**72**
Second Year: Semester II			
HI 246	African History since Independence	Core	12
H1 212	Cultural Tour Guidance	Core	12
HI 229	Etiquette, Protocol and Decorum	Core	12
AY 224	Conservation and Curation of Ceramic Materials	Elective	12
HI 264	Africa and World Religions: Islam and Christianity	Core	12
HU 299	Practical Training in the Humanities	Elective	12
Total			**60**
Third Year: Semester I			
AY301	Cultural Heritage Management	Core	12
HM 300	Ethics in Cultural Tourism	Core	12
HI 308	Theory and Practice in Archival Research	Core	
HI 368	Oral Histories in Tanzania: Theory	Core	12
HM 380	Museum Studies	Core	12
AY 321	Heritage Laws	Core	12
AY 302	Archaeology	Elective	12
Total			**60**
Third Year: Semester II			
H1 311	The History of Wildlife Conservation, Tourism and Leisure in Tanzania	Core	12
HI 380	Evolution of Ethnic identities in Tanzania	Core	12
HM 304	Intangible Cultural Heritage Resources	Core	12
HI 354	History of African Diaspora	Core	12
HI 350	Nation Building in Post-colonial Africa	Elective	12
LT 322	Folklore, Culture and Literature	Elective	12
Total			**60**

Total minimum number of (core) credits for BA History, Cultural Management and Tourism is 376

DEPARTMENT OF ARCHAEOLOGY AND HERITAGE STUDIES

The Department of Archaeology and Heritage Studies offers four degree programmes namely; B. A. (Archaeology); B. A. (Heritage Management); B. A. (Archaeology and History) and B. A. (Archaeology and Geography).

For All: Students are required to take all the core courses as indicated. Shaded totals represent the minimum required units per semester based on the specified core courses. A student may choose one additional Elective course from the list provided under a relevant semester and not from elsewhere. AY 399 and HM 399 (Dissertation) can be opted only by invitation, that is, with permission of the Department.

For all students Except those taking B.A. (Heritage Management): Compulsory first-year Field Training in Archaeology (Survey) (AY 120) and second-year Field Training in Archaeology (Excavation) (AY 220) conducted for 8 weeks during the long vacation, i.e., outside the two classroom semesters, is not included in the total minimum/maximum count.

For those taking B.A. (Heritage Management): Compulsory first-year Field Training in Archaeology (Survey) (AY 120) and second-year Practical Training in Heritage Management (AY 230) conducted for 8 weeks during the long vacation, i.e., outside the two classroom semesters, is not included in the total minimum/maximum count.

B. A. (Archaeology)

Code	Title	Status	Credits
First Year: Semester I			
AY 105	Introduction to Primatology	Core	12
AY 109	An Introduction to Archaeology	Core	12
CL 106*	Communication Skills for Arts and Social Sciences	Core	12
PL 111*	Introduction to Critical Thinking and Argumentation	Core	12
DS 114*	Development Perspectives I	Core	12
A student may choose ONE the following courses:			
HM 109	An Introduction to Heritage Management	Elective	12
BT 130*	Evolutionary Botany	Elective	12
Total			**72**
First Year: Semester II			
AY 106	Survey of World Pre-history	Core	12
AY 108	Archaeological Principles	Core	12
AY 110	Dating Methods in Archaeology	Core	12
DS 115*	Development Perspectives II	Core	12
AY 190**	Field Training in Archaeology (Survey)	Core	12

Code	Title	Status	Credits
A student may choose at least ONE of the following courses:			
AY 112	Introduction to Anthropology	Elective	12
ZL 122*	Chordate Zoology	Elective	12
Total			**72**
Second Year: Semester I			
AY 211	Development of Archaeological Thoughts	Core	12
AY 203	African Civilizations	Core	12
HI 262	History of East Africa	Core	12
A student must choose at least TWO of the following courses			
AS 220	Pan-Africanism: Thought and Practice I	Elective	12
AY 207	Ceramic Analysis in Archaeology	Elective	12
AY 213	Basics in Archaeometallurgy	Elective	12
Total			**72**
Second Year: Semester II			
AY 202	Human Evolution	Core	12
AY 209	Archaeological Methodology	Core	12
AY 216	Human Osteology and Osteometry Studies	Core	12
AY 214	Research Methods in Archaeology and Heritage	Core	12
A student must choose at least TWO of the following courses:			
AS 221	Pan-Africanism: Thought and Practice II	Elective	12
AY 204	Lithic Analysis in Archaeology	Elective	12
AY 212	Basics in Zooarchaeology	Elective	12
Total			**72**
Second Special Practical Training during the long vacation			
AY 220	Field Training in Archaeology (Excavation)	Core	12
Third Year: Semester I			
AY 302	Archaeology of Tanzania	Core	12
HM 302	Museum Studies	Core	12
AY 311	Approaches to Hunter-Gatherers Studies	Core	12
HI 368	Oral Histories in Tanzania: Theory	Core	12
A student must choose at least one of the following courses			
AY 309	Mortuary Archaeology	Elective	12

Code	Title	Status	Credits
AY 306	People and Cultures in Africa	Elective	12
AY 321	Heritage Laws	Elective	12
Total			**72**
Third Year: Semester II			
AY 300	Advanced Archaeological Theory	Core	12
AY 310	Studies in Human Adaptations, Variations and Growth	Core	12
HM 304	Intangible Cultural Heritage Resources	Core	12
AY 301	Cultural Heritage Management	Core	12
A student must choose ONE or TWO of the following courses			
AY 308	Forensic Anthropology	Elective	12
HM 303	Architecture in Archaeology	Elective	12
AY 307	Recent Research Approaches in Archaeology	Elective	12
AY 304	Basics in Archaeology	Elective	12
AY 399	Independent Project in Archaeology/Heritage Management (Dissertation) ++	Elective	24
Total			**60**
++ AY 399 (Dissertation) is by invitation only. The student should be in the second academic year (semester two) when invited to the course with a GPA trend of 3.8 and above.			

B.A. (Heritage Management)

Code	Title	Status	Credits
First Year: Semester I			
HM 109	An Introduction to Heritage Management	Core	12
AY 109	An Introduction to Archaeology	Core	12
CL 106*	Communication Skills for Arts and Social Sciences	Core	12
PL 111*	Introduction to Critical Thinking and Argumentation	Core	12
DS 114*	Development Perspectives I	Core	12
A student may choose ONE of the following courses:			
CL 122*	Intercultural Communication	Elective	12
CA 100*	Creative Art and Society	Elective	12
Total 72			
First Year: Semester II			
HM 102	Basics in Archival Heritage	Core	12
HM 110	Conservation of Africa's Heritage	Core	12
HM 112	Heritage Documentation and Digital Representation	Core	12
AY 108	Archaeological Principles	Core	12
DS 115*	Development Perspectives II	Core	12

Code	Title	Status	Credits
AY 190**	Field Training in Archaeology (Survey)	Core	12
Total			**72**
Second Year: Semester I			
HM 200	Curation of Organic Materials	Core	12
HM 201	Curation of Inorganic Materials	Core	12
AY 203	African Civilizations	Core	12
GE 251	Tourism and Leisure	Core	12
A student must choose at least TWO of the following courses:			
LL 160	Basic French I	Elective	12
LL 180	Advanced French I	Elective	12
AS 220	Pan-Africanism: Thought and Practice I	Elective	12
HI 262	History of East Africa	Elective	12
Total			**72**
Second Year: Semester II			
HM 202	Principles of Cultural Tourism Management	Core	12
HM 203	Conservation of Organic Materials	Core	12
HM 204	Conservation of Inorganic Materials	Core	12
AY 202	Human Evolution	Core	12
AY 214	Research Methods in Archaeology and Heritage	Core	12
A student may choose ONE of the following courses:			
LL 161	Basic French II ≈	Elective	12
LL 181	Advanced French II ≈	Elective	12
AS 221	Pan-Africanism: Thought and Practice II	Elective	12
AY 209	Archaeological Methodology	Elective	12
Total			**72**
Second Special Practical Training during the long vacation			
AY 230	Practical Training in Heritage Management	Core	12
Third Year: Semester I			
HM 300	Ethics in Cultural Tourism	Core	12
AY 321	Heritage Laws	Core	12
HM 302	Museum Studies	Core	12
AY 302	Archaeology of Tanzania	Core	12
A student must choose at least ONE of the following courses:			
AY 306	Peoples and Cultures in Africa	Elective	12
GE 352	Natural Resource Management	Elective	12
GE 348	Disaster Management	Elective	12
LL 260	Basic French III ≈	Elective	12
LL 270	Advanced French III ≈	Elective	12
Total			**72**
Third Year: Semester II			
HM 303	Architecture in Archaeology	Core	12
HM 304	Intangible Cultural Heritage Resources	Core	12

Code	Title	Status	Credits
AY 301	Cultural Heritage Management	Core	12
HM 306	Marketing Heritage Resources	Core	12
HM 307	Heritage Conservation Planning	Core	12
A student must choose ONE of the following courses:			
SO 393	Society, Culture and Health	Elective	12
AY 307	Recent Research Approaches in Archaeology	Elective	12
LL 261	Basic French IV ≈	Elective	12
LL 276	Functional French I ≈	Elective	12
Total			**72**
HM 399	Independent Project in Heritage Management (Dissertation)++	Elective	24

++A student invited to register HM 399 (Dissertation) which has 24 credits will have 72 credits. The student should be in the second academic year (semester two) when invited to the course with a GPA trend of 3.8 or above.

≈ A student should opt for only one course of the LL pair as follows: 60 level for French beginners and 70 level for those who have passed basic level (e.g., those who studied French at A-level Secondary School)

The minimum number of (core) credits for B. A. (Heritage Management Studies) is 376.

B.A Archaeology and History

Code	Title	Status	Credits
First Year: Semester I			
AY 105	Introduction to Primatology	Core	12
AY 109	An Introduction to Archaeology	Core	12
CL 106*	Communication Skills for Arts and Social Sciences	Core	12
PL 111*	Introduction to Critical Thinking and Argumentation	Core	12
DS 114*	Development Perspectives I	Core	12
Total			**60**
First Year: Semester II			
AY 106	Survey of World Prehistory	Core	12
AY 108	Archaeological Principles	Core	12
HI 102*	Survey of World History of Civilization to Ca. 1500AD	Core	12
DS 115*	Development Perspective II	Core	12
AY 190**	Field Training in Archaeology (Survey)	Core	12
A student may choose ONE of the following courses			
AY 112	Introduction to Anthropology	Elective	12
AY 110	Dating Methods in Archaeology	Elective	12
HI 130*	African History to Ca. 1880	Elective	12
Total			**72**

Code	Title	Status	Credits
Second Year: Semester I			
AY 211	Development of Archaeological Thoughts	Core	12
AY 203	African Civilizations	Core	12
*HI 262	History of East Africa	Core	12
*HI 260	Philosophies and Methodologies of History	Core	12
A student must choose TWO of the following courses			
*AS 220	Pan-Africanism: Thought and Practice I	Elective	12
AY 207	Ceramic Analysis in Archaeology	Elective	12
AY 213	Basics in Archaeometallurgy	Elective	12
Total			**72**
Second Year: Semester II			
AY 202	Human Evolution	Core	12
AY 214	Research Methods in Archaeology and Heritage	Core	12
*HI 271	History of West Africa	Core	12
*HI 261	History of Tanzania	Core	12
Second Year Special Practical Training during the long vacation (8 weeks)			
**AY 220	Field Training in Archaeology	Core	12
A student must choose ONE of the following courses			
AY 204	Lithic Analysis in Archaeology	Elective	12
AY 212	Basics in Zooarchaeology	Elective	12
AY 209	Archaeological Methodology	Elective	12
Total			**72**
Third Year: Semester I			
AY 302	Archaeology of Tanzania	Core	12
HM 302	Museum Studies	Core	12
*HI 366	Topics in African Environmental History	Core	12
*HI 368	Oral Histories in Tanzania	Core	12
A student must choose TWO of the following courses			
AY 309	Mortuary Archaeology	Elective	12
AY 306	People and Cultures in Africa	Elective	12
AY 321	Heritage Laws	Elective	12
Total			**72**
Third Year: Semester II			
AY 300	Advanced Archaeological Theory	Core	12
*HI 264	Africa and World Religions	Core	12
*HI 380	Ethnic Identities in Tanzania	Core	12
AY 301	Cultural Heritage Management	Core	12
A student must choose ONE or TWO of the following courses			
AY 304	Basics in Archaeology	Elective	12

Code	Title	Status	Credits
AY 307	Recent Research Approaches in Archaeology	Elective	12
AY 399****	Independent Project in Archaeology/Heritage Management (Dissertation) ++	Elective	24
Total			**60**

B.A. (Archaeology and Geography)

Code	Title	Status	Credits
First Year: Semester I			
AY 109	An Introduction to Archaeology	Core	12
CL 106*	Communication Skills for Arts and Social Sciences	Core	12
PL 111*	Introduction to Critical Thinking and Argumentation	Core	12
DS 114*	Development Perspectives I	Core	12
GE 140*	Physical Geography	Core	12
A student may choose ONE of the following courses			
GY 100*	Introduction to Geology and Geological Processes	Elective	12
GE 145	Environmental Education and Communication	Elective	12
GE 160	Fundamentals of Geographical Information System	Elective	12
Total			**72**
First Year: Semester II			
AY 108	Archaeological Principles	Core	12
AY 106	Survey of the World Pre-history	Core	12
GE 141*	Climatology	Core	12
DS 115*	Development Perspective II	Core	12
AY 190**	Field Training in Archaeology (Survey)	Core	12
A student may choose ONE of the following courses			
AY 110	Dating Methods in Archaeology	Elective	12
AY 112	Introduction to Anthropology	Elective	12
GE 147*	Soil Survey and Management	Elective	12
Total			**72**
Second Year: Semester I			
AY 211	Development of Archaeological Thoughts	Core	12
AY 203	African Civilizations	Core	12
GE 240	Soil Resources	Core	12
GE 250	Environmental Education and Conservation	Core	12
GE 251	Tourism and Leisure	Core	12

A student should choose ONE of the following courses			
AS 220	Pan-Africanism: Thought and Practice I	Elective	12
AY 207	Ceramic Analysis in Archaeology	Elective	12
AY 213	Basics in Archaeometallurgy	Elective	12
Total			**72**
Second Year: Semester II			
AY 202	Human Evolution	Core	12
AY 214	Research Methods in Archaeology and Heritage	Core	12
AY 209	Archaeological Methodology	Core	12
GE 245	Remote Sensing	Core	12
Second Year Special Practical Training during the long vacation (8 weeks)			
AY 220	Field Training in Archaeology (Excavation)	Core	12
A student should choose ONE of the following courses			
AS 221	Pan-Africanism: Thought and Practice II	Elective	12
AY 204	Lithic Analysis in Archaeology	Elective	12
AY 212	Basics in Zooarchaeology	Elective	12
Total			**72**
Third Year: Semester I			
AY 302	Archaeology of Tanzania	Core	12
AY 311	Approaches to Hunter-Gatherers Studies	Core	12
HM 302	Museum Studies	Core	12
GE 352	Natural Resources Management	Core	12
GE 353	Geographical Information Systems	Core	12
A student may choose ONE of the following courses			
AY 309	Mortuary Archaeology	Elective	12
AY 306	People and Cultures in Africa	Elective	12
HM 321	Heritage Laws	Elective	12
Total			**72**
Third Year: Semester II			
AY 300	Advanced Archaeological Theory	Core	12
GE 350	Environmental Policy and Planning	Core	12
GE 354	Environmental Assessment	Core	12
AY 301	Cultural Heritage Management	Core	12

A student should choose ONE or TWO of the following courses			
AY 304	Basics in Archaeology	Elective	12
AY 307	Recent Research Approaches in Archaeology	Elective	12
AY 399	Independent Project in Archaeology/Heritage Management (Dissertation) ++	Elective	24
Total			**72**

AY 399 (Dissertation) is by invitation only. The student should be in the second academic year (semester two) when invited to the course with a GPA trend of 3.8 or above.

Guide to abbreviations: AY = Archaeology, HI = History, HM = Heritage Management
* Courses offered outside the Department of Archaeology and Heritage Studies

** Field Training Course**, ****** =** = Considered when resources are available, ++ Course by invitation to students whose GPA is above 3.8

DEPARTMENT OF LITERATURE

The Department offers two Degree programmes namely Bachelor of Arts in Literature and Bachelor of Arts in Literary and Publishing Studies.While the focus in B.A. Literature programme is on developing skills essential to the objective of the programme, B.A. Literary and Publishing Studies focuses on cultivating the linguistic and literary skills acquired through the study of language and literature into useful editorial skills that are ready for deployment in the publishing industry. The programme is aimed at developing publishing editorial skills based on a strong foundation of English and Literary Studies. In addition to completing required core course, students may select Elective courses suited to their particular interests or career goals.
Shaded totals represent the minimum required units per semester from core courses. A student is free to choose one additional Elective course where and as provided under a given semester, and not from elsewhere.

Compulsory second-year Practical Training (HU 299) conducted for 8 weeks during the long vacation, i.e. outside the two classroom semesters, is not included in the total minimum/maximum count.

B.A. (Literature)

First Year: Semester I

Code	Course Title	Status	Credits
LT 110	Introduction to Literary Theories	Core	12
LT 111	African Literature	Core	12
LT 112	Introduction to Literary Devices	Core	12
DS 114	Development Perspective I	Core	12
AS 102	Introduction to Social Science Research I	Core	12
*A student may choose **only** ONE from the following*			
LT 118	Popular Literature	Elective	12
LT 120	Introduction to Argumentative Writing	Elective	12
Total			**72**
First Year: Semester II			
LT 113	Tanzanian Literature in English	Core	12
LT 117	Introduction to Poetry	Core	12
LT 119	Literature and The Art of Writing	Core	12
DS 115	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
AS 103	Introduction to Social Science Research Method II	Core	12
Total			**72**
Second Year: Semester I			
LT 210	Poetry	Core	12
LT 212	Drama	Core	12
LT 213	Modern Literary Theories	Core	12
LT 220	African Drama	Core	12

Code	Course Title	Status	Credits
LT 221	Literature and the Negritude Movement	Core	12
Total			**60**
A student may choose ONE courses from the following			
LT 225	Studies in American Literature	Elective	12
AS 217	Introduction to Computers	Elective	12
AS 220	Pan-Africanism: Thought and Practice I	Elective	12
Second Year: Semester II			
LT 211	Theories of African Oral Literature	Core	12
LT 214	Development of the Novel	Core	12
LT 215	Creative Writing	Core	12
LT 224	Feminism and Literature	Core	12
LT 217	Editing Literary Texts	Elective	12
Total			**60**
A student may choose ONE of the following			
LT 218	Caribbean Literature	Elective	12
AS 221	Pan-Africanism: Thought and Practice II	Elective	12
AS 299	Practical Training (done during the long vacation)	Core	12
Third Year: Semester I			
LT 310	African Women Writers	Core	12
LT 311	Theory and Practice of Publishing	Core	12
LT 312	Language and Literature	Core	12
LT 322	Folklore, Culture and Literature	Core	12
LT 317	Study of a Major Author	Core	12
Total			**60**
A student may take the following course			
LT 324	Cross-cultural Studies	Elective	12
Third Year: Semester II			
LT 313	Professional Communication	Core	12
LT 314	South African Literature	Core	12
LT 315	African American Literature	Core	12
LT 320	African Poetry	Core	12
LT 316	The African Novel	Core	12
Total			**60**
A student may take the following course			
LT 326	Methodology and Practice in Oral Literature Research (by Invitation)	Elective	12

Total minimum number of (core) credits for B. A. (Literature) is 376

B.A. (Literary and Publishing Studies)

First Year: Semester I

LT 101	Introduction to Literature	Core	12
LT 140	Introduction to Publishing	Core	12
CL 106	Communication Skills for the Humanities and Social Sciences	Core	12
DS 114	Development Perspective I	Core	12
A student will take at least ONE and NOT more than TWO from the following courses			
LT 113	Tanzanian Literature in English	Elective	12
LT 131	Literary Composition and Rhetoric	Elective	12
LL 119	English Listening and Speaking Skills	Elective	12
CL 120	Introduction to Communication	Elective	12
Total			**72**
First Year: Semester II			
LT 123	Basic Skills in Translating Literary Texts	Core	12
LT 132	Close Reading and Critical Writing	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 115	Development Perspectives II	Core	12
A student will take at least ONE and NOT more than TWO from the following courses			
LT 115	Introduction to Children's Literature	Elective	12
LT 133	English Language through Literature	Elective	12
LL 123	Editing and Proofreading	Elective	12
CL 129	Customer Service Communication	Elective	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Elective	12
Total			**72**
Second Year: Semester I			
LT 213	Modern Literary Theories	Core	12
LT 215	Creative Writing	Core	12
LT 241	The Publishing Environment	Core	12
HU 201	Research Methods in Humanities	Core	12
Total			**60**
A student will take at least ONE and NOT more than TWO from the following courses			
LT 242	Technologies of Knowledge, the Self and Society	Elective	12
LT 243	Evolving Forms of Publishing	Elective	12
LL 230	Introduction to Translation	Elective	12
CL 212	Social Media Communication	Elective	12
Second Year: Semester II			
LT 217	Editing Literary Works	Core	12
LT 222	Proofreading Practice	Core	12
LT 225	World Trends in Children's Literature	Core	12

HU 299	Practical Training in the Humanities	Core	12
Total			**60**
A student will take at least one and NOT more than two from the following courses			
LT 244	Key Concepts in Contemporary Publishing	Elective	12
LT 245	Self-Publishing: Theory and Practice	Elective	12
LL 231	Translation Practice	Elective	12
CL 220	Business and Professional Communication	Elective	12
Third Year: Semester I			
LT 329	Gender and African Women Writers	Core	12
LT 341	Publishing and Legal Matters	Core	12
LT 343	Editorial Design and Production	Core	12
LT 345	Publishing and Marketing I	Core	12
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
Total			**60**
A student will take at least ONE and NOT more than TWO from the following courses			
LT 333	Advanced Creative Writing	Elective	12
LL 334	Interpreting Practice	Elective	12
CL 303	Information Management for Communication Specialists	Elective	12
Third Year: Semester II			
LT 332	Advanced Copy-editing and Manuscript Preparation	Core	12
LT 342	Advanced Digital and Multimedia Publishing	Core	12
LT 346	Publishing and Marketing II	Core	12
LT 347	Desktop Publishing	Core	12
Total			**60**
A student will take at least ONE and NOT more than TWO from the following courses			
LT 327	Advanced Copy-editing and Manuscript Preparation	Elective	12
LT 344	Business of Publishing	Elective	12
LL 333	Translation Project	Elective	12
CL 309	Marketing Communication	Elective	12

DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES

The Department of Philosophy and Religious Studies offers two degree programmes, namely Bachelor of Arts in Philosophy and Ethics (B.A. Philosophy and Ethics) and Bachelor of Arts in Religious Studies (B.A. Religious Studies).

B.A. (Philosophy and Ethics)

First Year: Semester I

Code	Title	Status	Credits
PL 101	Introduction to Philosophy	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
CL 106	Communication Skills for Humanities and Social Sciences	Core	12
DS 114	Development Perspectives I	Core	12
PL 127	Academic Reading and Writing in Philosophy	Core	12
Total			**60**
First Year: Semester II			
PL 112	Formal Logic	Core	12
PL 122	Metaphysics	Core	12
PL104	Epistemology	Core	12
DS 115	Development Perspectives II	Core	12
Total			**60**
A student may take the following course			
PL118	Introduction to Nyerere's Philosophy	Elective	12
PL144	Religion in Africa	Elective	12
Second Year: Semester I			
PL 211	Methods of Philosophy	Core	12
PL 221	Theories of Ethics and Moral Philosophy	Core	12
PL 231	History of Ancient and Medieval Philosophy	Core	12
Total			**36**
A Student may take TWO to THREE of the following courses:s			
PL 241	Aesthetics and Culture	Elective	12
PL 251	Intermediate Logic	Elective	12
SO 116	Introduction to Sociology	Elective	12
AS 200	Pan-Africanism, Thought and Practice I	Elective	12
Second Year: Semester II			
PL 212	Contemporary Political Philosophy	Core	12
PL 222	History of Modern and Contemporary Philosophy	Core	12
PL 232	Climate Change and Environmental Ethics	Core	12
Total			**36**
A Student may take TWO to THREE of the following courses:			
PL242	Applied Ethics	Elective	12
AS 221	Pan-Africanism: Thought and Practice II	Elective	12
DS 212	Globalization and Development	Elective	12

Code	Title	Status	Credits
FP 100	Art and Society	Elective	12
Third Year: Semester I			
PL 311	Professional and Civic Ethics	Core	12
PL 321	Philosophy of Law and Human Rights	Core	12
PL 331	African Philosophy	Core	12
Total			**36**
A Student may take TWO to THREE of the following courses:			
PL 341	Philosophy of Religion	Elective	12
PL 351	Business Ethics	Elective	12
LT 312	Language and Literature	Elective	12
Third Year: Semester II			
PL 312	Philosophy of Science	Core	12
PL 322	Development Ethics and Global Justice	Core	12
PL 332	Philosophy of Mind and Cognitive Science	Core	12
Total			**36**
A Student may take TWO to THREE of the following courses:			
PL 342	Philosophy of Language	Elective	12
PL 352	Ethics of Leadership and Management	Elective	12
PL 362	Bioethics	Elective	12

B.A. (Religious Studies)

First Year: Semester I

Code		Status	Credits
PL 140	Introduction to the Study of Religion	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
CL 106	Communication Skills for Humanities and Social Sciences	Core	12
DS 114	Development Perspectives I	Core	12
PL 127	Academic Reading and Writing in Philosophy	Core	12
Total			**60**
First Year: Semester II			
PL 141	Theories of Religion I	Core	12
PL 142	Introduction to the Study of World Religions	Core	12
PL 143	Introduction to Interreligious Dialogue	Core	12
DS 115	Development Perspectives II	Core	12
Total			**60**
A student may take the following course			
PL 122	Metaphysics	Elective	12
PL 144	Religion in Africa	Elective	12
Second Year: Semester I			
PL 299	Qualitative Research Methods in Religious Studies	Core	12
PL 241	Theories of Religion II	Core	12
PL 201	Theories of Ethics	Core	12

Code		Status	Credits
PL 243	Comparative Religious Ethics	Core	12
Total			**36**
A Student may take ONE of the following courses:			
PL 244	Psychology of Religion	Elective	12
PL 245	Religion and Globalization	Elective	12
Second Year: Semester II			
HU 299	Practical Training in the Humanities	Core	12
PL 249	New Religious Movements in Africa	Core	12
PL 246	Religious Symbols and Rituals	C	12
PL 247	The Study of African Religion	Core	12
PL 248	Introduction to the History of World Religions	Core	12
Total			**36**
A Student may take ONE of the following courses:			
PL 250	Religious Spirituality	Elective	12
PL 251	Comparative Marriage Religious Laws	Elective	12
Third Year: Semester I			
HU 301	Entrepreneurship and Innovation in the Humanities	Core	12
PL 341	Philosophy of Religion	Core	12
PL 340	Religion and Environment	Core	12
PL 342	Religion and Development	Core	12
Total			**36**
A Student may take ONE of the following courses:			
PL343	Religious Conflicts and Human Rights	Elective	12
PL 344	Religion and Gender	Elective	12
Third Year: Semester II			
PL 345	Religion, State and Politics	Core	12
PL 346	Religious Laws and Doctrines (Islam and Christianity)	Core	12
PL 347	Religion and Health	Core	12
PL 348	Anthropology of Religion	Core	
Total			**36**
A Student may take ONE of the following courses:			
PL 349	African Religious Ethics	Elective	12
PL 350	Christianity and Islam in Africa	Elective	12

BACHELOR OF ARTS WITH EDUCATION (B.A. Ed)

1. Students taking BA (Education) are required to take two Teaching Subjects (content) offered by either the College of Humanities, the College of Social Sciences, the Institute of Kiswahili Studies (for Kiswahili courses) or University of Dar es Salaam School of Economics (UDSoE) and Education courses offered by the School of Education. A student must pick one of the two subjects – Teaching Subject #1 and Teaching Subject #2 - from the following combinations:

    - History and English
    - History and Geography
    - History and Literature
    - History and Fasihi ya Kiswahili
    - History and Kiswahili
    - History and French.
    - English and French
    - English and Literature
    - English and Academic Communication.
    - Literature and Art and Design
    - Literature and Music Technology
    - Literature and Theatre Arts
    - Literature and Music Performance
    - Chinese and Kiswahili
    - Chinese and French
    - Geography and English
    - Geography and Literature
    - Geography and French
    - Geography and Fasihi ya Kiswahili (COSS)
    - Geography and Kiswahili (COSS)
    - Kiswahili and English
    - Kiswahili and French
    - Kiswahili and Literature
    - Fasihi ya Kiswahili and English
    - Fasihi ya Kiswahili and Theatre Arts
    - Fasihi ya Kiswahili and Music Technology
    - Fasihi ya Kiswahili and Music Performance
    - Fasihi ya Kiswahili and Art and Design
    - Economics and History (COSS)
    - Economics and Geography (COSS)

    NB: BA with Eduation students wishing to take Chinese and English as their teahing subjects will consider transferring to BA with Education (Chinese English) offered by the Confucius Institute.

    The departments which offer courses to BA (Education) students are:

    - Creative Arts (CoHU)
    - Foreign Languages and Linguistics (CoHU)
    - History (CoHU)
    - Literature (CoHU)
    - Confucius Institute (CI)
    - Centre for Communication Studies (CoHU)

- Geography (CoSS)
- Economics (School of Economics – UDSoE)
- Institute of Kiswahili Studies (IKS)
- School of Education (SoED)
-

2. Compulsory University/College-wide courses
   For BA (Education) students the following are compulsory/college-wide courses:
   DS 114 Development Perspectives I 12 credits
   DS 115 Development Perspectives II 12 credits
   FN 250 Financial Literacy 0 credits
   BA (Education) students are exempted from all other college-wide courses taken by CoHU students.

3. The regulation that the number of credits per semester should lie between 60 and 76 per semester has to be adhered to. A student should take all respective core courses from two teaching subjects, education courses and university/college wide courses. In case credits for core courses are less than 60, the student must take at least one elective course.

4. **Practical Teacher Training (PTT)**

All B.A. Education students must register for *Practical* Teacher *Training* (Specific Subject Secondary Education Method 1 and Method 2) *(PTT)* administered by the School of Education in the first and second semester of Year 3, respectively.

Note: The 72 Credits of these 'practical courses' are counted in the total of 384 credits of core courses. The credits for Practical Teacher Training courses are as follows;

a. Teaching Subject One Secondary Education Method 1 10 Credits

b. Teaching Subject Two Secondary Education Method 1 10 Credits

c. Teaching Subject One Secondary Education Method 2 26 Credits

d. Teaching Subject Two Secondary Education Method 2 26 Credits

The course details are as follows:

Table 6: The structure of BA (Education) Courses

	Semester I		Semester II		Year Total
1st Year	Teaching Subject 1 (two courses)	24	Teaching Subject 1 (one course)	12	
	Teaching Subject 2 (one course)	12	Teaching Subject 2 (Two course)	24	
	EP 101	8	EP 105	6	
	EF 102	8	EF 103	7	
	DS 114	12	DS 115	12	
	Sub-total	**64**		**61**	**125**
2nd Year	Teaching Subject 1 (two courses)	24	Teaching Subject 1 (one course)	12	
	Teaching Subject 2 (one course)	12	Teaching Subject 2 (two courses)	24	

	Semester I		Semester II		Year Total
	CT 200	8	FN 250	0	
	CT 250	6	EA 202	7	
	EP 210	8	EF 201	8	
	Elective course	12	EP 211	6	
			Elective Course	12	
	Sub-total	**70**		**69**	**139**
3rd Year	Teaching Subject 1 (two courses)	24	Teaching Subject 1 (one course)	12	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2 (One course)	12	
	Teaching Subject 1 Secondary education Method 1	10	Teaching Subject 1 Secondary education Method 2	26	
	Teaching Subject 2 Secondary education Method 1	10	Teaching Subject 1 Secondary education Method 2	26	
	Sub-total	**68**		**76**	**144**
Programme Total					**408**

BA (EDUCATION) COURSES BY OFFERING DEPARTMENT

1. Department of Creative Arts

Important Note: Students must choose and stick to only one of the following four sub-streamsi.e. Music performance, Music technology, Art and Design, and Theatre Arts. Crossing of sub-streams or degree programmes is not permitted.

Code	Course Title	Status	Credits
Music Performance Sub-stream			
First Year: Semester I			
CR 121	Fundamentals of Music	Core	12
First Year: Semester II			
CR 125	Music Theory 1	Core	12
CR 126	Selected Instruments I	Core	12
Second Year: Semester I			
CR 221	Music Theory II	Core	12
CR 222	Selected Instrument II	Elective	12
CR 224	Music Cultures of Tanzania	Elective	12
Second Year: Semester II			
CR 225	Music Theory III	Core	12
CR 229	Music Culture of Africa	Core	12
CR 226	Selected Instruments III	Elective	12
Third Year: Semester I			
CR 321	Composition and Arranging	Core	12
CR 322	Music Ensemble	Core	12

Code	Course Title	Status	Credits
Third Year: Semester II			
CR 329	Applied Ethnomusicology	Core	12
Art and Design Sub-Stream			
First Year: Semester I2			
CR 210	Applied Computer Aided Design	Core	12
First Year: Semester II			
CR 111	Introduction to Drawing	Core	12
CR 151	Introduction to Painting	Core	12
Second Year: Semester I			
CR 210	Applied Computer Aided Design	Core	12
CR 218	Applied Fashion and Textile Pattern Design	Elective	12
CR 211	Applied Drawing	Elective	12
Second Year: Semester II			
CR 261	Contemporary African Art	Core	12
CR 212	Applied Painting	Core	12
CR 217	Applied Graphic Design	Elective	12
CR 219	Applied Animation	Elective	12
Third Year: Semester I			
CR 311	Special Projects in Drawing	Core	10
CR 317	Special Projects in Graphic Design	Core	10
***Third Year**: Semester II*			
CR 316	History of World Art	Core	12
Theatre Arts Sub- stream			
***First Year:** Semester I*			
CR 130	Theatre Arts History I	Core	12
***First Year:** Semester II*			
CR 133	Acting I	Core	12
CR 136	Applied Theatre	Core	12
***Second Year:** Semester I*			
CR 236	Theatre and Drama in Education	Core	12
CR 234	Directing 1	Elective	12
CR 230	Theatre Art History II	Elective	12
***Second Year:** Semester II*			
CR 233	Acting II	Core	12
CR 243	Theories of Film and Television	Core	12
CR 237	Directing II	Elective	12
***Third Year:** Semester I*			
CR 300	Management and Marketing of the Creative Arts	Core	12
CR 330	Theatre Arts History III	Core	12
***Third Year**: Semester II*			
CR 352	Creative Arts and Gender	Core	12

Code	Course Title	Status	Credits
Music Technology Sub-stream			
***First Year**: Semester I*			
CR 123	Music Technology I	Core	12
First Year: Semester II			
CR 125	Music Theory I	Core	12
CR 127	Music Technology II	Core	12
***Second Year:** Semester I*			
CR 223	Music Technology III	Core	12
CR 222	Selected Instrument II	Elective	12
CR 224	Music Cultures of Tanzania	Elective	12
***Second Year:** Semester II*			
CR 227	Music Technology and Production	Core	12
CR 229	Music Culture of Africa	Core	12
CR 226	Selected Instruments III	Elective	12
***Third Year:** Semester I*			
CR 321	Composition and Arranging	Core	12
CR 323	Sound Design	Core	12
***Third Year**: Semester II*			
CR 327	Project in Music Technology, Production and Sound Design	Core	12
2. Department of Foreign Languages and Linguistics			
English*			
***First Year:** Semester I*			
LL 101	Introduction to Linguistic Structure	Core	12
LL 119	English Listening and Speaking Skills	Core	12
***First Year:** Semester II*			
LL 120	English Reading and writing Skills	Core	12
LL 130	Editing and Proofreading I	Core	12
Second Year : Semester I			
LL 225	Introduction to English Phonetics and Phonology	Core	12
LL 231	Introduction to Translation	Core	12
LL 203	Introduction to Semantics	Elective	12
LL 233	Editing and Proofreading II	Elective	12
***Second Year**: Semester II*			
LL 220	English Grammar	Core	12
LL 231	Introduction to Translation	Core	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12
LL 234	Translation Practice	Elective	12
Third Year: Semester I			
LL 317	Introduction to English Pragmatics	Core	12
LL 333	Editing and Proofreading III	Core	12
***Third Year:** Semester II*			
LL 324	Language Learning and Technology	Core	12

Code	Course Title	Status	Credits
* Students studying English as the **Teaching Subject One** shall take both English core courses in the first semester of Year 1 and 2, and only LL 120 and LL 220 in the second semester of Year 1 and 2 respectively, AND those studying English as the **Teaching Subject Two** shall take only LL 119 and LL 231 in the first semester of Year 1 and 2 respectively and both English Core courses in the second semester of Year 1 and 2.			
French			
***First Year**: Semester I*			
LL 185	Intermediate Communication skills in French	Core	12
***First Year**: Semester II*			
LL 184	Oral Proficiency in French	Core	12
LL 186	Literature in French I	Core	12
***Second Year:** Semester I*			
LL 285	French Grammar	Core	12
***Second Year**: Semester II*			
LL 236	Introduction to Interpreting	Core	12
LL 286	Sociolinguistics of French Languages	Core	12
***Third Year:** Semester I*			
LL 385	Argumentation Skills in French	Core	12
LL 387	French for Tourism	Core	12
***Third Year:** Semester II*			
LL 386	Literature in French II	Core	12
3. Department of History			
First Year: Semester I			
HI 103	Capitalism and Imperialism in World History	Core	12
HI 131	Historical Concepts, Sources and Writing	Core	12
First Year: Semester II			
HI 130	African History to 1880	Core	12
HI 102	Survey of World History Civilisation to ca. 1500 AD	Core	12
Second Year: Semester I			
HI 241	African History from 1880 to 1950s	Core	12
HI 245	History of Tanzania to ca 1960 AD	core	12
HI 224	Tanzania and the History of Liberation Struggles	Elective	12
Second Year: Semester II			
HI 246	African History Since Independence	Core	12
AY 244	Basics in Archaeology Studies	Core	30
HI 272	Science and Technology in World History	Elective	12
Third Year: Semester I			
HI 368	Oral Histories in Tanzania	Core	12
HI 345	Modern History of Tanzania from 1961 to Present	Core	12
Third Year: Semester II			
HI 352	Comparative Industrialization in World History	Core	12

Code	Course Title	Status	Credits
+ Students studying History as the **Teaching Subject One** shall take both History core courses in the first semester of Year 1 and 2, and only HI 130 and HI 246 in the second semester of Year 1 and 2 respectively, AND those studying History as the **Teaching Subject Two** shall take only HI 103 and HI 241 in the first semester of Year 1 and 2 respectively and both History Core courses in the second semester of Year 1 and 2.			
4. Department of Literature			
First Year: Semester I			
LT 101	Introduction to Literature	Core	12
LT 113	Tanzanian Literature in English	Core	12
First Year: Semester II			
LT 111	African Literature	Core	12
LT 151	Major Genres of Literature	Core	12
Second Year: Semester I			
LT 213	Modern Literary Theories	Core	12
LT 224	Feminism and Literature	Core	30
LT 241	The Publishing Environment	Elective	12
LT 217	Editing Literary Texts	Elective	12
Second Year: Semester II			
LT 211	Theories of African Oral Literature	Core	12
LT 231	Literary Style and the English Language	Core	12
LT 251	World Trends in Children's Literature	Elective	12
LT 228	Literature and Film	Elective	12
Third Year: Semester I			
LT 329	Gender and African Women Writers	Core	12
LT 311	Publishing Theory and Practice	Core	12
Third Year: Semester II			
LT 322	Folklore Culture and Literature	Core	12
+Students studying Literature as the **Teaching Subject One** shall take both Literature core courses in the first semester of Year 1 and 2, and only LT 151 and LT 231 in the second semester of Year 1 and 2 respectively, AND those studying Literature as the **Teaching Subject Two** shall take only LT 101 and LT 213 in the first semester of Year 1 and 2 respectively and both Literature Core courses in the second semester of Year 1 and 2.			
5. Department of Economics			
First Year: Semester I			
EC 116	Introductory Micro-Economics I	Core	12
EC 117	Introductory Macro-Economics I	Core	12
First Year: Semester II			
EC 126	Introductory Micro-Economics II	Core	12
Second Year: Semester I			
EC 216	Intermediate Micro-Economics I	Core	12

Code	Course Title	Status	Credits
EC 220	Development Economics	Core	12
EC 118	Mathematics for Economists I	Elective	12
Second Year: Semester II			
EC 127	Introductory Macro-Economics II	Core	12
EC 128	Mathematics for Economists II	Elective	30
Third Year: Semester I			
EC 217	Intermediate Macro-Economics I	Core	12
EC 372	Public Sector Economics	Core	12
Third Year: Semester II			
EC 226	Intermediate Micro-Economics II	Core	12
6. Department of Geography			
First Year: Semester I			
GE 149	Physical Geography	Core	12
GE 164	Environmental Education and Communication	Core	12
First Year: Semester II			
GE 144	Surveying and mapping science	Core	12
GE 141	Climatology	Core	12
Second Year: Semester I			
GE 257	Climate Change, Mitigation and Adaptation	Core	12
GE 244	Quantitative Techniques in Geography	Core	12
Second Year: Semester II			
GE 241	Biography	Core	12
		Core	
GE 247	Population Studies	Elective	12
GE 272	Agriculture and Food System	Elective	12
Third Year: Semester I			
GE 385	Integrated Natural Resources Management	Core	12
GE 357	Environmental Conservation and Management	Core	12
Third Year: Semester II			
GE 371	Population, Environment and Development	Core	12
Students studying Geography as the **Teaching Subject One** shall take both Geography core courses in the first semester of Year 1 and 2, and only GE 144 and GE 247 in the second semester of Year 1 and 2 respectively, AND those studying Geography as the **Teaching Subject Two** shall take only GE 149 and GE 244 in the first semester of Year 1 and 2, respectively and both Geography Core courses in the second semester of Year 1 and 2.			

7. Institute of Kiswahili Studies (IKS) / Taasisi ya Taaluma za Kiswahili (TATAKI)

7.1 KISWAHILI

Msimbo	Jina la Kozi	Hadhi	Maksi
Mwaka wa Kwanza: Semista ya Kwanza			
KF 102	Utangulizi wa Fasihi (Simulizi na Andishi)	Lazima	12
KI 119	Fonetiki na Fonolojia ya Kiswahili	Lazima	12
Mwaka wa Kwanza: Semista ya Pili			
KF 103	Nadharia na Uhakiki wa Fasihi	Lazima	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Lazima	12
Mwaka wa Pili: Semista ya Kwanza			
KI 209	Mofolojia ya Kiswahili	Lazima	12
KI 218	Tafsiri: Nadharia na Vitendo	Lazima	12
KI 211	Historia ya Kiswahili na Lahaja zake	Hitiari	12
KI 225	Mbinu za Ufundishaji wa Lugha	Hitiari	12
Mwaka wa Pili: Semista ya Pili			
KI 226	Mbinu za Uandishi wa Kiswahili	Lazima	12
K1 215	Ukalimani: Nadharia na Vitendo	Hitiari	12
KI 231	TEHAMA katika Tafsiri	Hitiari	12
KS 227	Methodolojia za Utafiti katika Lugha na Fasihi	Hitiari	12
KI 232	Teminografia na Teminolojia katika Tafsiri na Ukalimani	Hitiari	12
Mwaka wa Tatu: Semista ya Kwanza			
KI 310	Sintaksia ya Kiswahili	Lazima	12
KI 312	Isimu-Historia na Isimu-Linganishi	Core	12
Mwaka wa Tatu: Semista ya Pili			
KI 311	Semantiki na Pragmatiki ya Kiswahili	Lazima	12
+Wanafunzi wanaosoma Kiswahili kama somo la kwanza la kufundishia watasoma kozi zote mbili za Lazima za Kiswahili kwenye semesta ya kwanza ya mwaka wa kwanza na wa pili na watasoma KF 103 na KI 226 pekee kama kozi za Lazima kwa semesta ya pili ya mwaka wa kwanza na wa pili mutawalia. Wale wanaosoma Kiswahili kama somo la pili la kufundishia watasoma KI 119 na KI 209 pekee kama kozi za Lazima kwa semesta ya kwanza ya mwaka wa kwanza na wa pili mutawalia, NA watasoma kozi zote za Lazima za Kiswahili kwa semesta ya pili ya mwaka wa kwanza na wa pili.			

7.2 FASIHI YA KISWAHILI

First Year: Semester I			
KF 102	Utangulizi wa fasihi (Simulizi na Andishi)	Lazima	12
KF 119	Falsafa ya Kiafrika katika Fasihi ya Kiswahili	Lazima	12
First Year: Semester II			
KF 103	Nadharia na Uhakiki wa Fasihi	Lazima	12

KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Lazima	12
Second Year: Semester I			
KF 205	Uandishi wa Kubuni kwa Kiswahili: Nadharia	Lazima	12
KF 223	Ushairi wa Kiswahili	Lazima	12
KF 226	Uhariri katika Matini za Kiswahili	Hitiari	12
Second Year: Semester II			
KF 220	Uandishi wa Kubuni wa Kiswahili: Vitendo	Lazima	12
KF 223	Ushairi wa Kiswahili	Lazima	12
KF 221	Fasihi ya Watoto ya Kiswahili	Hitiari	12
Third Year: Semester I			
KF 303	Elimu-Mitindo ya Fasihi ya Kiswahili	Core	12
KF 319	Tamthiliya ya Kiswahili	Core	12
Third Year: Semester II			
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Core	12
+Wanafunzi wanaosoma Fasihi Kiswahili kama somo la kwanza la kufundishia watasoma kozi zote mbili za Lazima za Fasihi ya Kiswahili kwenye semesta ya kwanza ya mwaka wa kwanza na wa pili na watasoma KF 103 na KF 220 pekee kama kozi za Lazima kwa semesta ya pili ya mwaka wa kwanza na wa pili mutawalia. Wale wanaosoma Fasihi ya Kiswahili kama somo la pili la kufundishia watasoma KF 102 na KF 205 pekee kama kozi za Lazima kwa semesta ya kwanza ya mwaka wa kwanza na wa pili mutawalia, NA watasoma kozi zote za Lazima za Kiswahili kwa semesta ya pili ya mwaka wa kwanza na wa pili.			

8. Centre for Communication Studies			
First Year: Semester I			
CL 120	Introduction to Communication	Core	12
First Year: Semester II			
CL 125	Interpersonal Communication	Core	12
CL 136	Human communication and customer experience	Core	12
Second Year: Semester I			
CL 207	Communication and human relations	Core	12
CL 203	The Art of Science Communication	Elective	12
Second Year: Semester II			
CL 220	Business and professional communication	Core	12
CL 222	Leadership Communication	Core	12
Third Year: Semester I			
CL 313	Disaster communication and community engagement	Core	12
CL 311	Organisational communication	Core	12
Third Year: Semester II			
CL 314	Public Speaking	Core	12

9. Confucius Institute			
First Year: Semester I			
CM 107	Comprehensive Chinese I	Core	12
CM 110	Chinese Listening and Speaking I	Core	12
First Year: Semester II			
CM 104	A Grammar of Chinese as a Second Language 1	Core	12
Second Year: Semester I			
CM 206	Chinese Writing Skills I	Core	12
CM 211	Chinese Listening and Speaking II	Core	12
CM 208	Comprehensive Chinese II	Elective	12
Second Year: Semester II			
CM 212	Chinese Writing Skills II	Core	**12**
CM 204	Chinese Oral Literature	Elective	12
Third Year: Semester I			
CM 305	Chinese Contemporary Literature	Core	12
CM 311	Practical Translation in English and Chinese	Core	12
Third Year: Semester II			
CM 304	Introduction to Chinese Semantics	Core	12

10. School of Education (SoED)

Code	Course Title	Status	Credits
First Year: Semester I			
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
First Year: Semester II			
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Second Year: Semester I			
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
Second Year: Semester II			
EA 202	Instructional Leadership	Core	7
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
Third Year: Semester I			
CT 356, CT 354, CT 355, CT 351, CT 350, CT 349, CT 357, CT 352, CT	Teaching Subject I Secondary Education Method 1	Core	10
	Teaching Subject II Secondary Education Method 1	Core	10

Code	Course Title	Status	Credits
347, CT 348, 346, CT 353			
Third Year: Semester II			
CT 374; CT 372; CT 373; 369; CT 368; CT 375; CT 367; CT 370, CT 365; CT 366; CT 364; 2 CT 371	Teaching Subject I Secondary Education Method 2	Core	26
	Teaching Subject II Secondary Education Method 2	Core	26
+Each teaching subject has its own code for Secondary Education method 1 and 2. **History:** Method 1 CT 356, Method 2 CT 374; **English**: Method 1 CT 354, Method 2 CT 372; **Geography**: Method 1 CT 355, Method 2 CT 373; **Literature**; Method 1 CT 351, Method 2 CT 369; Economics: Method 1 CT 350, Method 2 CT 368; **Chinese:**Method 1 CT 349, Method 2 CT 375; **Kiswahili:** Method 1 CT 357, Method 2 CT 367; **Fasihi ya Kiswahili:** Method 1 CT 352, Method 2 CT 370, **Music:** Method 1 CT 347, Method 2 CT 365; **Art and Design:** Method 1 CT 348, Method 2 CT 366; **Theatre Arts:** Method 1 CT 346, Method 2 CT 364; **French:** Method 1CT 353, Method 2 CT 371			

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NB:

*	On study leave
**	On Sabbatical
***	On Leave without pay/ Secondment

COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES (CoICT)

INTRODUCTION

The College of Information and Communication Technologies (CoICT) was established on 27th January, 2011. The establishment of CoICT was the University response to address the increasing demand for ICT experts in the country by strengthening its teaching, research and public service in the ICT-related disciplines through a more efficient utilization of the available human and physical resources. The vision of the College is to become a leading center of excellence in teaching and learning, research and consultancy in informatics, communication technologies and virtual learning.

The College comprises the following units:

(i) Department of Computer Science and Engineering (CSE);
(ii) Department of Electronics and Telecommunications Engineering (ETE);
(iii) Centre for Virtual Learning (CVL).

The College offers the following undergraduate programmes:

(i) Bachelor of Science in Computer Science (BSc Comp. Sci.) (3 years);
(ii) Bachelor of Science in Business Information Technology (BSc BIT) (3 years);
(iii) Bachelor of Science in Electronics Science and Communication (BSc ESC) (3 years);
(iv) Bachelor of Science in Computer Engineering and Information Technology (BSc CIT) (4 years);
(v) Bachelor of Science in Telecommunications Engineering (BSc Telecoms) (4 years);
(vi) Bachelor of Science in Electronics Engineering (BSc EE) (4 years).

In addition, the College offers the following non-degree programmes:

(vii) Diploma in Computer Science;
(viii) Certificate in Computer Science.

Regulations Governing the Award of a First Degree

The College of Information and Communication Technologies (CoICT) operates a semester system of studies. The College offers 3-year and 4-year degree programmes. Each of its disciplines offers a variety of courses, including Core courses, which are compulsory to students majoring in the subjects and Elective courses. Each course is given a credit weighting according to the time devoted to it on the timetable. One (1) credit is equivalent to ten (10) contact hours. Fifteen two-hour lectures or 15 lectures and 15 one-hour practical classes constitute eight (8) credits. Thus, for example, a course consisting of 15 two-hour lectures and 15 one-hour practical classes is an eight-credit course. Seminars and discussion groups are not counted in the weighting unless they make up more than one third of the total teaching hours in a course.

A. General Degree Regulations

The General University Examination Regulations shall apply in all programmes.

B. College Examination Regulations

The following regulations are in addition to the General University Examination Regulations. The regulations shall apply to all programmes offered at the College, and where necessary, will be specified based on the duration of the programme (i.e. 3-year or 4-year programme):

1. All students must pass all core courses in their study programmes.
2. Each student shall register for courses totaling at least 120 credits and at most 144 credits per academic year.

3. In addition to core courses required for his/her major subjects and Development Studies, a student may choose as an elective any course for which he/she can meet the prerequisite/co-requisite requirements and which is compatible with the teaching timetable (subject to regulation No. 4).
4. At the end of the academic year every student shall, in consultation with his/her Academic Advisor, map out his/her course programme for the next year. A course programme shall be subject to approval by the Head of the Department in which the student intends to major and by the Principal of the College. The Principal's approval shall constitute formal enrolment for all the courses listed in the programme. For first year students, mapping of the course programme will be done during the orientation week.
5. No student will be permitted to commence or withdraw from any course more than four weeks after the beginning of the semester except where his/her enrolment in the unit ceases.
6. Students may be admitted to the College of Information and Communication Technologies as transfer students (advanced standing status) provided that their previous work was done at an institution recognized by the University of Dar es Salaam. Such students must also provide a detailed syllabus of the courses done and transcript of the grades obtained.
7. The maximum transferable load shall be 120 credits (approximately one year's work). The degree classification of a transfer student shall be based on the best 360 credits (or 480 credits for a 4-year programme), both from the University of Dar es salaam and the transferred credits.
8. Student's performance shall be assessed continuously throughout the course. Except in the project, such coursework assessment shall include at least one test per semester and may also consist of Laboratory reports and any other similar means approved by the CoICT Academic Committee. The weight of such Coursework Assessment for every course shall be 0.4. The weight for a University Examination in every course shall be 0.6; except that where a course is not subject to University Examination, Coursework Assessment shall have a weight of 1.0 in that semester.
9. It shall be the duty of the Head of Department concerned to inform the students at the beginning of the semester of the procedure of assessment in each course that shall be followed in that semester.
10. Each course will be offered and assessed in the same semester and a grade awarded. External examination and determination of pass or fail status, however, shall be done at the end of the academic year (i.e. at the end of the second teaching semester in each academic year).
11. Candidates are required to obtain a minimum overall GPA for the Academic Audit Unit (academic year) before they can directly proceed to the following year of study. The pass grade in each of the courses taken shall be "C".
12. Supplementary examinations for the failed courses examined during the previous two semesters will be held once each year prior to the commencement of the academic year. The highest grade awarded shall be the minimum passing grade (i.e. "C").
13. A candidate who fails in a course that is assessed by coursework assessment only, shall sit for a written supplementary coursework assessment examination. Such examination shall take place at the time of the University Supplementary Examinations. All other rules and regulations governing supplementary examinations shall apply.
14. A student shall not repeat (carry over) any failed elective course, except in certain circumstances, normally when those credits are needed to comply with minimum requirements for degree award as spelt out in CoICT Examination Regulation 20.
15. Assessment of courses that are offered by other Colleges, Schools and Institutes of the University shall be governed by the regulations of the respective Colleges, Schools or Institutes.
16. A special examination in a course to be regarded as constituting a first sitting shall be given to a student who, for satisfactory reasons, was allowed by the Principal not to take regular examination. Normally, special examinations will be given at the time of supplementary examinations.
17. A student who is required to sit for a special examination shall be assigned a "PEX" (Postponed

Exam) grade and one who, for satisfactory reasons, has not completed his/her coursework shall be assigned an "I" (Incomplete) grade.

18. A student who has a "PEX" or "I" grade in a course during any academic year is required to clear the course examination during the time of special examinations for that academic year. Except with the approval of the respective College Board, a student who will not clear any "PEX" or "I" grade at the time of special examinations will be considered to have absconded studies and hence discontinued.
19. No student will be enrolled in a course for which he/she has not fulfilled the prerequisites. A course for which a "D" grade or lower is obtained shall not be counted as fulfilling a prerequisite for any course unless it is a course in the same series taken during the same semester.
20. To complete a degree programme at CoICT, a full-time student must have passed a minimum number of credits, including all prescribed core courses as shall be prescribed by the respective Heads of Departments prior to the commencement of each semester. In this regard, students are required to register for and pass a minimum of 360 credits for a three-year programme, and 480 credits for a four-year programme, or as prescribed in the curriculum for any of the degree programmes offered by CoICT.
21. A student who has qualified to continue with his/her studies in terms of the minimum overall GPA for the Academic Audit Unit, but failed in some courses, will be allowed to sit for supplementary examination for all failed courses. A candidate who fails to attain an overall GPA of 1.8 at the end of the academic year shall be discontinued forthwith. A candidate who attains an overall GPA of 1.8 or above at the end of the academic year shall be allowed to supplement all courses he/she failed. The highest grade awarded for a supplemented course shall be the minimum passing grade (i.e. "C").
22. If after taking supplementary examinations a student fails to obtain a "C" grade in a core course, or fails to clear all Supplementary Examinations but has an overall GPA of 2.0 in courses examined or otherwise assessed in semesters 1 and 2 of the academic year, may be allowed to repeat (carry over) the failed courses within the maximum period of registration.
23. If after taking supplementary examinations, a student fails to obtain an overall GPA of at least 2.0, she/he shall be discontinued from study in the University.
24. All carry-over courses must be cleared within the allowable maximum period of registration; otherwise, the student will be discontinued from studies.
25. The maximum time for which a student may remain registered is 5 years for a 3-year programme and 6 years for a 4-year programme. Any student who is required to repeat/complete certain courses in order to qualify for the award of a degree shall be deemed to have failed the programme at the end of the maximum period if any of such courses have not been passed.
26. To be allowed to carry over a course in which an examination is part of the assessment, a student must first sit for supplementary examination in that course.
27. Final Year Projects will be assessed and the results will contribute to the final year GPA, as well as final GPA for degree classification.
28. Assessment of the Final Year Projects shall be based on a written Project Report and Oral Presentation of the Project work. Students shall submit error free copies of the Final Project Reports.
29. The weight of Projects will be determined as for any other course, based on the number of contact hours.
30. A candidate who fails in the Final Project shall be allowed to take a corresponding Supplementary Project. The time allocated for a Supplementary Project shall be 12 weeks after the release of the results.
31. A candidate who fails to clear a Supplementary Project shall repeat the project in the first semester of the subsequent year.
32. The final grades of all courses taken by a student shall be entered in the transcript.

Regulations on Practical Training in Industry (PT)

The College of Information and Communication Technologies runs a practical training programme in which students engage in practical activities related to their fields of study. Normally, these activities are held in various industries and institutions outside the University. The PT programme seeks to:

(i) Expose students to the various research and/or production activities being carried out in different parts of the country;

(ii) Enable students to apply their knowledge in practice;

(iii) Ensure that, on leaving the University, graduates have acquired some appropriate work experience;

(iv) Establish and maintain contact between prospective employers and the University in order to ensure that students are given the appropriate skills and knowledge for the jobs they are likely to be called upon to perform after graduation; and

(v) Enable prospective employers and employees to become acquainted with one another in a working environment.

The following regulations shall apply for Practical Training:

1. For each degree programme, there shall be two PT sessions (or three PT sessions for a 4-year programme) each of 8-week duration. The PT shall be conducted after the end of the first and second academic year for the 3-year programme, and at the end of the first, second and third academic years for the 4-year programme.
2. Each PT shall be treated as a course of the succeeding academic year.
3. Each PT shall be assessed and the grade obtained shall count towards the final degree award. The total weight of the PTs will be determined as for any other course, based on the number of contact hours. Each PT will contribute 8 credits. A student who, for good reasons, could not complete PT to satisfy the respective College Board will be assigned an "I" grade for that PT and will be required to complete that particular part of the training within a certain period as will be specified by the College Board.
4. A student who could not complete PT for reasons other than those stipulated in 4 above, will be considered to have absconded the PT, and shall be discontinued.
5. Practical Training reports will be handed in for assessment before the end of the second week of the first semester.
6. Internal assessment shall be completed before the end of the first semester.
7. A student who fails in a PT shall supplement the PT before starting the next one, provided that his/her GPA in that major subject is 1.8 or higher.
8. A student who fails in a supplementary PT and has a GPA of less than 2.0 shall be discontinued forthwith.
9. Students who do not go to places allocated to them for PT without satisfactory reasons will be deemed to have absconded from their PT and will, as a result, be discontinued from their studies.
10. Students who go to the allocated PT places but refuse to follow the training programme will be deemed to have absconded and consequently shall be discontinued from studies.
11. PT assessment will be based on the following items:

Employers Assessment	10%	
Logbook	20%	
Final Report	60%	
Supervisor's Report	10%	
TOTAL	**100%**	

(a) Assessment by the Employer shall include the following:

(i) Skills obtained by the student;
(ii) Attitude towards work;
(iii) Personal initiatives and independence;
(iv) Reliability in carrying out duties;
(v) Punctuality to work.

The Employer, using an assessment form shall grade the items listed below using the following weighting:

A = Excellent,	***C = Good,***	
B = Very Good,	***D = Fair,***	***and E = Poor.***

(b) Assessment of Logbooks

It is proposed that the logbooks should contain description of activities and tasks assigned to students, output from such activities and remarks by the employer. The employer shall sign the document on a weekly basis. The logbook shall be submitted to the University supervisor together with the final report. The grading of the logbook shall be marked out of 20% based on the following:

(i) Clear description of activities 10%;
(ii) Description of outputs 10%.

(c) Assessment of the Final PT Report

Grading of the report shall take into consideration the following distribution of marks:

(i) Description and analysis of tasks given 10%;
(ii) Problem identification and scientific methods used 15%;
(iii) Presentation of results and data 20%;
(iv) Correctness of information (graphs, maps, drawings, etc.) 10%;
(v) Summary and conclusion 05%.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Bachelor of Science in Computer Science

Code	Course Title	Credit	Semester	Status
First Year				
CL 111	Communication Skills for Engineers	12	1	Core
DS 112	Development Perspectives I	12	1	Core
MT 100	Foundations of Analysis	12	1	Core
CS 151	Computer Organization and Architecture I	12	1	Core
CS 174	Programming in C	12	1	Core
IS 162	Introduction to Information Systems	8	1	Core
IS 158	Computer Hardware and System Maintenance	8	2	Core
CS 173	Business Computer Communication	8	2	Core
IS 143	Discrete Structures	12	2	Core
IS 171	Introduction to Computer Networks	8	2	Core
CS 175	Programming in Java	12	2	Core
IS 181	Web Programming	12	2	Core
DS 113	Development Perspectives II	12	2	Core
Second Year Minimum Elective Credits per Semester is 8				
CS 243	Computer Network Design and Administration	12	1	Core
IS 243	Practical Training I	8	1	Core
IS 238	Mobile Application Development	12	1	Core
IS 274	Object Oriented Analysis and Design	8	2	Core
IS 237	Data Abstraction and Algorithms	12	1	Core
IS 264	Principles of Database Systems	12	1	Core
IS 246	Principles of Computer Graphics	8	1	Core
IS 247	Game Theory and Applications	8	1	Elective
IS 248	Multimedia Systems	8	1	Elective
CS 252	Computer Organization and Architecture II	12	2	Core
MT 249	Mathematical Logic and Formal Semantics	12	2	Core
IS 236	Structured Systems Analysis and Design	8	1	Core
CS 234	Object Oriented Programming in Java	12	2	Core
IS 239	Algorithms and Complexity	8	2	Core
IS 283	Web Services and Technologies	12	2	Elective
IS 265	Introduction to GIS	8	2	Elective
MT 278	Linear Programming	8	2	Elective
Third Year				
IS 344	Human Computer Interaction	12	1	Core
IS 343	Practical Training II	8	1	Core
IS 367	Management of Information Systems	8	1	Core
IS 371	Systems Administration in Linux	12	1	Core
CS 334	Principles of Operating Systems	12	1	Core
CS 335	Software Engineering	12	1	Core
CS 336	Trends and Social-Cultural Implications of Information Technology	8	1	Elective
IE 445	Entrepreneurship for Engineers	12	2	Core
IS 335	Final Year Project	16	2	Core

Code	Course Title	Credit	Semester	Status
IS 336	Principles of Systems Security	8	2	Core
IS 337	Mobile Computing	8	2	Core
IS 365	Artificial Intelligence	8	2	Core
IS 345	Open Source, Innovation and Emerging Technologies	8	2	Elective
IS 368	Data Mining and Warehousing	8	2	Elective
IS 369	IT Audit and Controls	8	1	Elective

Bachelor of Science in Computer Engineering and Information Technology

First Year

Code	Course Title	Credit	Semester	Status
CL 111	Communication Skills for Engineers	12	1	Core
ES 173	Introduction to Electrical Circuits	12	1	Core
DS 112	Development Perspectives I	12	1	Core
ME 101	Engineering Drawing	8	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
ES 171	Computer Aided Drafting and Design	8	1	Core
ES 110	Analogue Electronics I	8	1	Core
CS 174	Programming in C	12	1	Core
IS 158	Computer Hardware and System Maintenance	8	2	Core
MT 171	One Variable Calculus & Diff. Eq. for Non-Majors	12	2	Core
IS 171	Introduction to Computer Networks	8	2	Core
ES 120	Digital Electronics I	8	2	Core
CS 175	Programming in Java	12	2	Core
TE 172	Workshop Training	8	2	Core
CS 173	Business Computer Communication	8	2	Core
DS 113	Development Perspectives II	12	2	Core
Second Year				
MT 261	Several Variable Calculus for Non-Majors	12	1	Core
PT1_CS	Practical Training I	8	1	Core
ES 211	Analogue Electronics II	8	1	Core
CS 151	Computer Organization and Architecture I	12	1	Core
CS 211	Measurements & Instrumentation Engineering I	12	1	Core
IS 274	Object Oriented Analysis and Design	8	1	Core
CS 243	Computer Network Design and Administration	12	1	Core
ES 221	Digital Electronics II	8	2	Core
IS 236	Structured Systems Analysis and Design	8	2	Core
CS 252	Computer Organization and Architecture II	12	2	Core
CS 234	Object Oriented Programming in Java	12	2	Core
CS 212	Measurements and Instrumentation Engineering II	12	2	Core
TE 231	Fundamentals of Signals and Systems	8	2	Core

Code	Course Title	Credit	Semester	Status
Third Year				
CS 350	Micro Computer Systems I	12	1	Core
PT2_CS	Practical Training II	8	1	Core
CS 334	Principles of Operating Systems	12	1	Core
CS 335	Software Engineering	12	1	Core
IS 264	Principles of Database Systems	12	1	Core
IS 336	Principles of Systems Security	8	2	Core
CS 323	Control Systems Engineering	12	2	Core
CS 348	Network Switching and Routing	12	2	Core
CS 354	Microcomputer Systems II	8	2	Core
CS 356	Embedded Systems	8	2	Core
IS 365	Artificial Intelligence	8	2	Core
Elective (minimum) 12 credits for semester 1 and 8 credits for semester 2				
CS 336	Trends and Social-cultural implications of Information Technology	8	1	Elective
TE 332	Principles of Digital Telecommunications	12	2	Elective
TE 380	Digital Signal Processing (DSP)	12	1	Elective
IS 238	Mobile Applications Development	12	2	Elective
TE 339	Telecommunication Switching and Transmission	8	2	Elective
IS 246	Principles of Computer Graphics	8	1	Elective
Fourth Year				
SC 430	General Engineering Procedures and Ethics	12	2	Core
PT3_CS	Practical Training III	8	1	Core
IE 445	Entrepreneurship for Engineers	12	2	Core
CS 421	Modern Control Systems Engineering	8	1	Core
CS 441	Wide Area Networking	8	2	Core
IS 371	Systems Administration in Linux	8	1	Core
CS 433	Software Quality Assurance and Testing	12	1	Core
CS 454	Computer Organization and Architecture III	12	1	Core
TE 415	Optical Communication	8	1	Core
CS 498	Final Year Project I	8	1	Core
CS 499	Final Year Project II	16	2	Core
Elective (minimum)12 credits for semester 1 and 8 credits for semester 2				
IE 443	Industrial Safety and Maintenance	8	1	Elective
IG 441	Human Resources Management	8	1	Elective
TE 414	Mobile Communication	8	2	Elective
IS 337	Mobile Computing	8	2	Elective
IS 345	Open Source and Open Innovation	8	2	Elective

Bachelor of Science in Business Information Technology

First Year

Code	Course Title	Credit	Semester	Status
CS 174	Programming in C	12	1	Core
DS 112	Development Perspectives I	12	1	Core
ST 113	Basic Statistics	12	1	Core
AC 100	Principles of Accounting I	12	1	Core
FN 100	Principles of Microeconomic Analysis	12	1	Core
MK 100	Introduction to Business	12	1	Core
CS 173	Business Computer Communication	8	2	Core
ST 114	Probability Theory I	12	2	Core
IS 171	Introduction to Computer Networks	8	2	Core
IS 181	Web Programming	12	2	Core
FN 101	Principles of Macroeconomic Analysis	12	2	Core
GM 100	Principles and Practice of Management	12	2	Core
DS 113	Development Perspectives II	12	2	Core
Second Year				
IS 237	Data Abstraction and Algorithms	12	1	Core
IS 264	Principles of Database Systems	12	1	Core
IS 274	Object-oriented Analysis and Design	8	1	Core
IS 243	Practical Training I	8	1	Core
ST 119	Operations Research I	12	2	Core
CS 234	Object-Oriented Programming in Java	12	2	Core
IS 238	Mobile Application Development	12	1	Core
IS 284	Business Process Management	8	2	Core
IS 285	Programming in R	12	2	Core
GM 200	Business Law and Ethics	12	2	Core
Elective (minimum) 20 credits for semester 1 and 8 credits for semester 2				
IS 247	Game Theory and Applications	8	1	Elective
CS 243	Computer Network Design and Administration	12	1	Elective
FN 200	Principles of Finance	12	1	Elective
ST 218	Applied Statistics I	12	1	Elective
IS 236	Structured Systems Analysis and Design	8	2	Elective
IS 265	Introduction to GIS	8	2	Elective
IS 283	Web Services and Technologies	12	2	Elective
FN 202	Financial Management	12	2	Elective
ST 212	Statistical Inference I	12	1	Elective
Third Year				
CS 334	Principles of Operating Systems	12	1	Core
CS 335	Software Engineering	12	1	Core
IS 369	IT Audit and Controls	8	1	Core
MK 301	Entrepreneurship	12	2	Core

Code	Course Title	Credit	Semester	Status
IS 384	Software Project Management	8	2	Core
IS 385	Business Intelligence	12	2	Core
IS 386	Enterprise Systems	12	2	Core
IS 336	Principles of Systems Security	8	2	Core
IS 335	Final Year Project	16	2	Core
Elective (minimum) 16 credits for semester 1 and 8 credits for semester 2				
CS 336	Trends and Socio-cultural implications of Information Technology	8	1	Elective
IS 371	Systems Administration in Linux	12	1	Elective
FN 302	Securities Analysis and Portfolio Management	12	1	Elective
GM 300	Strategic Management	12	1	Elective
ST 316	Statistical Quality Control	12	1	Elective
IS 387	Environmental Management Information Systems	8	2	Elective
ST 318	Sampling Theory and Methodology	12	2	Elective
IS 337	Mobile Computing	8	2	Elective
IS 365	Artificial Intelligence	8	2	Elective

Diploma in Computer Science Programme

Duration of the Diploma Programme

The Diploma programme is designed for two years of which there will be four teaching semesters. Each semester has 15 teaching weeks, as per University regulations. The programme runs as an evening programme. The following analysis provides the number of semesters/weeks which the evening programme is supposed to cover:

Under the semester system, there are 15 teaching weeks, two weeks for examinations and three weeks for holidays in the first semester.

Diploma Programme Start time: 4:00 pm to 8: 00 pm; Total time: 4hrs/day

Weekdays (4x5): 20 hours

The academic year is organized in two (2) semesters, each with fifteen (15) instruction weeks followed by two (2) examination weeks. At the end of the academic year a student is required to complete 240 credits.

Entry Qualifications and Regulations

A. Direct Entry Qualifications

Certificate of Secondary Education Examination (CSEE) or equivalent with passes in at least four approved subjects, including Mathematics

AND

One of the following combinations of passes in the Advanced Certificate of Secondary Education Examination (ACSEE) equivalent:

(i) One Principal pass at least grade 'C' in any of the following subjects: Computer Science, Advanced Mathematics, Basic Applied Mathematics, Physics, Chemistry, Economics, Commerce, Geography, Biology or Accountancy

OR

(ii) One Principal pass and a subsidiary pass in any of the following subjects: Computer Science, Advanced Mathematics, Basic Applied Mathematics, Physics, Chemistry, Economics, Commerce, Geography, Biology or Accountancy.

B. Equivalent Entry Qualifications

Certificate of Secondary Education Examination (C.S.E.E.) or equivalent with passes in at least four approved subjects, including Mathematics, and one of the following qualifications:

1. A Certificate in Computer Science (or related field) with an average GPA of at least 3.0 out of 5.0 or a Diploma at a good standing from recognized institutions.
   OR
2. A qualification of an equivalent standard awarded by recognized professional bodies such as the National Board of Accountants and Auditors and the Business Education Council.
   OR
3. A Form VI Certificate with at least two subsidiaries in the subjects listed in A(i) above plus at least two years industrial experience in ICT.
   OR
4. Any bachelor's degree from a recognized institution.

Assessment

Each course will be assessed by a written examination of three-hour duration. A candidate who fails in a subject can re-sit that subject. The maximum number of re-sits for each subject is two. Maximum grade obtainable during re-sits is C.

The grading system shall be as follows:

A = 70% -100%;
B+ = 60% - 69%;
B = 50% - 59%;
C = 40% - 49%;
D = 35% - 39%;
E = 0% - 34%.

Grade to point correspondence:

A = 5 points B+ = 4 points B = 3 points
C = 2 points D = 1 point E = 0 point
The pass mark in each examinable course shall be C.

Final Diploma Classifications

A candidate's final standing in Diploma in Computer Science shall be determined by the Aggregate Gross Point Average (GPA) for all two years of study. The final diploma classification shall be either pass or fail as follows:

Diploma Class	**GPA**
Pass	5.0 - 2.0
Fail	1.9 - 0.0

Course Structure

To be awarded the Diploma in Computer Science, a student must take and pass a minimum of 240 credits.
The list below consists of courses in the Diploma in Computer Science Programme:

First Year

Code	Course Title	Credit	Semester	Status
IS 052	Computer Fundamentals and Applications	12	1	Core
IS 063	Information Systems Ethics and Practice	8	1	Core
IS 064	Introduction to Computer Architecture and Organization	8	1	Core

Code	Course Title	Credit	Semester	Status
IS 076	Introduction to Computer Programming in C	12	1	Core
IS 078	Fundamentals of Computer Networks I	12	1	Core
IS 080	Communication Skills II	8	1	Core
IS 050	Web Technologies and Applications	12	2	Core
IS 060	Introduction to Data Structures and Algorithms	12	2	Core
IS 067	PC Maintenance and Troubleshooting	8	2	Core
IS 070	Principles of Software Engineering	8	2	Core
IS 081	Fundamentals of Computer Networks II	12	2	Core
IS 091	Computing Mathematics I	8	2	Core
Total Credits		**120**		
Second Year				
IS 055	Introduction to Object-Oriented Programming	12	1	Core
IS 057	Introduction to Database Systems	12	1	Core
IS 068	ICT Project Management	8	1	Core
IS 092	Computing Mathematics II	8	1	Core
IS 095	Emerging Technologies	8	1	Core
IS 097	Final Year Informatics Project I	12	1	Core
IS 056	Fundamentals of Operating Systems	12	2	Core
IS 073	Introduction to Information Security	12	2	Core
IS 074	Foundations of Mobile Computing and App Development	12	2	Core
IS 079	Fundamentals of ICT Entrepreneurship	12	2	Core
IS 098	Final Year Informatics Project II	12	2	Core
Total		**120**		

Certificate in Computer Science

Entrance Qualifications

Certificate of Secondary Education Examination (CSEE) or East African Certificate of Education (EACA) - 'O' level with at least a pass in four approved subjects including Mathematics.

OR

Certificate or Diploma from a recognized institution or ICT industrial experience of not less than 2 years that demonstrates the candidate's ability to undertake the programmes.

Assessment

Each course will be assessed by a written examination of three hour duration. A candidate who fails in a subject can re-sit that subject. The maximum number of re-sits for each subject is two. Maximum grade obtainable during re-sits is "C".

The grading system shall be as follows:

A = 70% - 100%; B+ = 60% - 69%; B = 50% - 59%;
C = 40% - 49%; D = 35% - 39%; E = 0% - 34%

Grade to point correspondence:

A = 5 points B+ = 4 points B = 3 points
C = 2 points D = 1 points E = 0 points
The pass mark in each examinable course shall be C.

Final Certificate Classification

A candidate's final standing in Certificate in Computer Science shall be determined by the Aggregate

Gross Point Average (GPA) for both two semesters of study. The final Certificate classification shall be either pass or fail as follows:

Certificate Class GPA
Pass 5.0 - 2.0
Fail 1.9 - 0.0

Programme Structure
Duration of the programme is one year and is in evening mode. The academic year is organized in two (2) semesters, each with fifteen (15) instruction weeks followed by two (2) examinations weeks. At the end of the academic year, a student is required to complete 120 credits.

The list below consists of courses in the Certificate in Computer Science Programme:

Code	Course Title	Credit	Semester	Status
IS 088	Web Fundamentals	12	1	Core
IS 013	Foundation Data Communications and Networks	8	1	Core
IS 011	Introduction to Computer Hardware and Software	12	1	Core
IS 077	Principles of Operating Systems	12	1	Core
IS 041	Foundation of Computing Mathematics I	8	1	Core
IS 023	Communication Skills I	8	1	Core
IS 099	Management of Database Systems	12	2	Core
IS 021	Introduction to Programming in Visual Basic.NET	12	2	Core
IS 024	Foundation of Mobile Computing	8	2	Core
IS 014	Network Systems and Security	8	2	Core
IS 042	Foundation of Computing Mathematics II	8	2	Core
IS 048	**Final Year Informatics Project**	**12**	**2**	**Core**
Total		**120**		

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

Bachelor of Science in Electronic Science and Communication

Common Core Courses for all Students

Code	Course Title	Credit	Semester	Status
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
Common Elective Courses for all Science Students				
SC 215	Science Methods	8	1	Elective
DS 211	Entrepreneurship	8	2	Elective
First Year				
ES 102	Practicals in Electronics	8	1	Core
ES 110	Analogue Electronics I	8	1	Core
ES 115	Electromagnetics and Optics	8	1	Core
IS136	Programming in C	12	2	Core
MT 100	Foundation of Analysis	12	1	Core
MT 127	Linear Algebra I	12	1	Core
BM 100	Principles of Management and Administration	12	1	Elective
CL 107	Communication Skills for Scientists	8	2	Elective
ES 101	Technical Drawing, Laboratory and W/shop Administration	12	2	Core
ES 105	Fundamentals of Computer Architecture	8	2	Core
ES 120	Digital Electronics I	8	2	Core
MT 120	Analysis I: Functions of a Single Variable	12	2	Core
ES 240	Industrial Training	8	2	Core
IS138	Social-Culture Implication of Information Technology	8	2	Elective
IS137	Data Structure and Algorithms	12	2	Elective
Second Year				
ES 211	Analogue Electronics II	8	1	Core
ES 212	Analogue Electronics Practical	8	1	Core
EV 200	Environmental Sciences	8	1	Core
PH 201	Mathematical Methods I	8	1	Core
MT 233	Mathematical Statistics I	12	1	Core
IS 245	Operating Systems I	12	1	Elective
IS 262	Compiler Technology	8	1	Elective
IS 271	Computer Networks	12	1	Elective
ES 202	Quantum Electronics	8	2	Core
ES 221	Digital Electronics II	8	2	Core
ES 222	Digital Electronics Practicals	8	2	Core
IS 292	Object-Oriented Programming Concepts	12	2	Core
ES 340	Industrial Training II	8	2	Core

Code	Course Title	Credit	Semester	Status
IS 281	Network Design and Administration	12	2	Elective
IS 263	Database Concepts	12	1	Elective
ES 300	Computer Aided Design and Analysis	8	2	Elective
PH 202	Mathematical Methods II	8	2	Elective
PH 213	Electromagnetism II	8	2	Elective
MT 274	Numerical Analysis I	12	2	Elective
MT 227	Linear Algebra II	12	2	Elective
Third Year				
ES 310	Electronics Instrumentation I	8	1	Core
ES 334	Signal Processing I	8	1	Core
ES 318	Electronics Control	12	2	Core
ES 399	Projects in Electronics I	8	1	Core
ES 399	Projects in Electronics II	8	2	Core
Electronics Stream				
ES 300	Computer Aided Design and Analysis	8	1	Elective
ES 304	Microelectronics	8	2	Core
ES 311	Electronics Instrumentation II	8	2	Core
ES 322	Industrial Electronics	8	2	Core
ES 316	PC Interfacing Techniques	8	2	Core
Communication Stream				
TE 412	Introduction to Wireless Communications	12	2	Core
ES 335	Signal Processing II	12	2	Core
ES 330	Telecommunication I	8	1	Core
ES 332	Opto-Electronics	8	2	Core
ES 314	Microprocessor Theory and Practices	8	1	Elective
ES 320	Nuclear Electronics	8	1	Elective
ES 322	Industrial Electronics	8	1	Elective
ES 337	High Frequency Communication System Design	8	1	Elective
TE 411	Microwave Communications	16	1	Core
EV 300	Environmental Science II	8	1	Elective
ES 306	VLSI Circuit Design	8	2	Elective
ES 319	Communication Systems Design	8	2	Elective
ES 339	Ultra-Fast Electronics Techniques	8	2	Elective
ES 341	Communication Digital Signal Processing	8	2	Elective
ES 343	Emerging Electronics and Communication Technologies	8	2	Elective
IS 364	IT Security	8	2	Elective
IS 383	Internet Applications and Programming	8	1	Elective
TM 400	Engineering Ethics and Professional Conduct	4	2	Elective
MG 445	Entrepreneurship for Engineers	12	2	Elective

Bachelor of Science in Telecommunications Engineering

Common Core Courses for all Students

Code	Course Title	Credit	Semester	Status
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
First Year				
CL 111	Communication Skills for Engineers	12	1	Core
CS 174	Programming in C	12	1	Core
ES 171	Computer Aided Drafting and Design (CADD)	8	1	Core
ES 173	Introduction to Electrical Circuits	12	1	Core
ME 101	Engineering Drawing	8	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
CS 175	Programming in Java	12	2	Core
ES 110	Analogue Electronics I	8	2	Core
ES 120	Digital Electronics I	8	2	Core
IS 171	Introduction to Computer Networks	8	2	Core
MT 171	One Variable Calculus & Diff. Eq. for Non-Majors	12	2	Core
TE 101	Introduction to Telecommunication	8	2	Core
TE 172	Workshop Training	8	2	Core
Second Year				
ES 213	Electronics Measurements and Instrumentation I	8	1	Core
IS 274	Object Oriented Analysis and Design	8	1	Core
IS 158	Computer Hardware and System Maintenance	8	1	Core
CS 243	Computer Network Design and Administration	12	1	Core
EE 253	Engineering Electromagnetics I	8	1	Core
MT 261	Several Variable Calculus for Non-Majors	12	1	Core
ES 211	Analogue Electronics II	8	1	Core
ES 212	Analogue Electronics Practical	8	1	Core
CS 234	Object-Oriented Programming in Java	12	2	Core
MT 271	Statistics for Non-Majors	12	2	Core
ES 221	Digital Electronics II	8	2	Core
ES 222	Digital Electronics Practical	8	2	Core
TE 231	Fundamentals of Signals and Systems	8	2	Core
EE 254	Engineering Electromagnetics II	8	2	Core
Third Year				
CS 323	Control Systems Engineering	12	1	Core
TE 331	Principles of Analogue Telecommunications	12	1	Core
TE 380	Digital Signal Processing (DSP)	12	1	Core
TE 332	Principles of Digital Telecommunications	12	2	Core
TE 339	Telecommunication Switching and Transmission	8	2	Core
TE 334	Information Theory	8	2	Core

Code	Course Title	Credit	Semester	Status
TE 371	Introduction to Research Methods	8	2	Core
ES 324	System Design and Implementation	8	2	Core
Elective Courses (Minimum 24.0 Credits)				
CS 348	Network Switching and Routing	12	1	Elective
EE 313	Power Electronics I	8	1	Elective
ES 313	Analogue Electronics III	12	1	Elective
ES 312	Digital Electronics III	12	2	Elective
CS 441	High Speed Network Technologies	8	2	Elective
TE 336	Satellite Communications	8	1	Elective
TE 337	Tele-traffic Engineering	8	1	Elective
IE 354	Engineering Project Management	12	1	Elective
IS 238	Mobile Applications Development	12	2	Elective
CS 353	Micro Computer Systems I	12	1	Elective
EE 314	Power Electronics II	8	2	Elective
CS 342	LAN Switching	8	2	Elective
ES 326	Microelectronics I	8	2	Elective
TE 335	Introduction to Analogue Filters	8	2	Elective
TE 338	Mobile Web Communication Services	12	2	Elective
Fourth Year				
DP 471	Electrical Safety & Maintenance	8	1	Core
TE 411	Microwave Communication	16	1	Core
TE 413	Introduction to Telecommunications Networks	8	1	Core
TE 441	Analogue Electronics for Engineers III	16	1	Core
TM 400	Engineering Ethics and Professional Conduct	4	2	Core
TM 330	General Engineering Procedures	8	2	Core
MG 445	Entrepreneurship for Engineers	12	2	Core
TE 412	Introduction to Wireless Communication	12	2	Core
TE 442	Digital Electronics for Engineers III	16	2	Core
TE 499	Final Project	24	2	Core
Elective Courses (Minimum 28.0 Credits)				
CS 421	Control Systems Engineering III	8	1	Elective
CS 441	Wide Area Networks	8	1	Elective
DP 421	Electrical Insulating Materials	8	1	Elective
MG 440	Engineering Economics	8	1	Elective
MG 441	Human Resources Management	8	1	Elective
TE 480	Digital Signal Processing (DSP)	8	1	Elective
CS 452	Microcomputer Systems III	8	2	Elective
TE 471	Introduction to VLSI	12	1	Elective
TE 481	Television Engineering	8	2	Elective

Bachelor of Science in Electronics Engineering

First Year

Code	Course Title	Credit	Semester	Status
CL 111	Communication Skills for Engineers	12	1	Core
CS 174	Programming in C	12	1	Core
DS 112	Development Perspectives I	12	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
ME 101	Engineering Drawing	8	1	Core
ES 173	Introduction to Electrical Circuits	12	1	Core
ES 171	Computer Aided Drafting and Design (CADD)	8	1	Core
DS 113	Development Perspectives II	12	2	Core
IS 171	Introduction to Computer Networks	8	2	Core
CS 175	Programming in Java	12	2	Core
MT 171	One Variable Calculus & Diff. Eq. for Non-Majors	12	2	Core
TE 172	Workshop Training	8	2	Core
ES 110	Analogue Electronics I	8	2	Core
ES 120	Digital Electronics I	8	2	Core
TE 101	Introduction to Telecommunication	8	2	Core
Second Year				
ES 213	Electronics Measurements and Instrumentation I	8	1	Core
IS 274	Object-Oriented Analysis and Design	8	1	Core
IS 158	Computer Hardware and System Maintenance	8	1	Core
CS 243	Computer Network Design and Administration	12	1	Core
EE 253	Engineering Electromagnetics I	8	1	Core
MT 261	Several Variable Calculus for Non-Majors	12	1	Core
ES 211	Analogue Electronics II	8	1	Core
ES 212	Analogue Electronics Practical	8	1	Core
CS 234	Object Oriented Programming in Java	12	2	Core
EE 254	Engineering Electromagnetics II	8	2	Core
MT 271	Statistics for Non-Majors	12	2	Core
ES 221	Digital Electronics II	8	2	Core
ES 222	Digital Electronics Practical	8	2	Core
TE 231	Fundamentals of Signals and Systems	8	2	Core
Third Year				
CS 323	Control Systems Engineering	12	1	Core
CS 353	Micro Computer Systems I	12	1	Core
ES 313	Analogue Electronics III	12	1	Core
ES 319	Hardware Interfacing Techniques	8	2	Core
ES 311	Electronics Measurements and Instrumentation II	8	2	Core
ES 312	Digital Electronics III	12	2	Core
ES 324	System Design and Implementation	8	2	Core

Code	Course Title	Credit	Semester	Status
ES 329	Microelectronics I	8	1	Core
TE 371	Introduction to Research Methods	8	2	Core
CS 348	Network Switching and Routing	12	1	Elective
IS 344	Human Computer Interaction	12	1	Elective
IS 264	Principals of Database Systems	12	1	Elective
EE 313	Power Electronics I	8	1	Elective
TE 335	Introduction to Analogue Filters	8	1	Elective
TE 336	Satellite Communications	8	1	Elective
TE 337	Tele-traffic Engineering	8	1	Elective
TE 331	Principles of Analogue Telecommunications	12	1	Elective
TE 380	Digital Signal Processing (DSP)	12	1	Elective
ES 315	Automation and Industrial Electronics	12	1	Elective
IE 354	Engineering Project Management	12	1	Elective
IS 365	Artificial Intelligence	8	2	Elective
EE 314	Power Electronics II	8	2	Elective
ES 314	Quantum Electronics	8	2	Elective
TE 338	Mobile Web Communication Services	8	2	Elective
TE 339	Telecommunication Switching and Transmission	8	2	Elective
TE 334	Information Theory	8	2	Elective
TE 332	Principles of Digital Telecommunications	12	2	Elective
Fourth Year				
IE 443	Industrial Safety and Maintenance	8	1	Core
ES 411	Analogue Electronics IIII	12	1	Core
SC 430	General Engineering Procedures and Ethics	12	2	Core
IE 445	Entrepreneurship for Engineers	12	2	Core
ES 499	Final Project	24	2	Core
Embedded Electronics Track				
ES 412	Introduction to Robotics	12	1	Core
ES 413	High Frequency Communication System Design	8	1	Core
CS 354	Micro Computer Systems II	8	1	Core
CS 356	Embedded Systems	8	2	Core
Electronics Science Track				
ES 415	Optoelectronic Devices	8	1	Core
ES 416	Microelectronics II	12	1	Core
ES 414	Solid State Electronics	8	1	Core
ES 417	Ultra-fast Electronics Technologies	8	2	Core
Electives (both Electronics Science and Embedded Electronics Tracks)				
CS 421	Modern Control Systems Engineering	8	1	Elective
IE 440	Engineering Economics	8	1	Elective
IE 441	Human Resources Management	8	1	Elective
TE 443	Digital Broadcasting Technologies	8	1	Elective
TE 411	Microwave Communication	12	1	Elective
TE 447	Wireless Technologies	8	1	Elective

Code	Course Title	Credit	Semester	Status
CS 441	High Speed Network Technologies	8	2	Elective
TE 412	Mobile Communication	8	2	Elective
ES 418	Nuclear Electronics	8	2	Elective

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* On Study Leave
** On Sabbatical Leave

COLLEGE OF NATURAL AND APPLIED SCIENCES (CoNAS)

INTRODUCTION

The College of Natural and Applied Sciences (CoNAS) comprises six departments, namely Department of Botany, Chemistry, Mathematics, Physics, Zoology and Wildlife Conservation and Molecular Biology and Biotechnology.

The College offers the following three-year undergraduate programmes leading to degrees:

(i) Bachelor of Science with Education (BScEd);
(ii) Bachelor of Science in Chemistry (BScChem);
(iii) Bachelor of Science in Petroleum Chemistry (BScPChem);
(iv) Bachelor of Science in Agricultural Biotechnology (BScAB);
(v) Bachelor of Science in Applied Zoology (BScAppZoo);
(vi) Bachelor of Science in Zoology (BScZL);
(vii) Bachelor of Science in Wildlife Science and Conservation (BScWC);
(viii) Bachelor of Science in Plant Health and Protection (BSc. PHP);
(ix) Bachelor of Science Plant Conservation and Taxonomy (Bsc.PCT);
(x) Bachelor of Science in Actuarial Sciences (BScActSc);
(xi) Bachelor of Science in Meteorology (BScMet);
(xii) Bachelor of Science in Mathematics and Statistics (BScMatSt);
(xiii) Bachelor of Science in Chemistry and Physics (BScChemPhys);
(xiv) Bachelor of Science in Applied Microbiology and Chemistry (BScAppMicrChem);
(xv) Bachelor of Science in Physics with Medical Physics (BScPMP).

The College also offers the following Four-year undergraduate programmes leading to degrees:

(i) Bachelor of Science in Industrial Biotechnology (BScIB);
(ii) Bachelor of Science in Medical Biotechnology (BScMB).

Regulations Governing the Award of the BSc Degree

The College operates a semester system of studies. Each discipline offers a variety of courses, including core courses, which are compulsory to students majoring in the subjects, and Elective courses. Each course is given a credit weighting according to the time devoted to it on the timetable. Fifteen one-hour lectures and fifteen two to three-hour practical classes constitute four credits. Thus, for example, a course consisting of 30 one-hour lectures and 15 three-hour practical classes is a twelve (12) credits course. Seminars and discussion groups are not counted in the weighting unless they make up more than a third of the total teaching hours in a course.

General Degree Regulations

1. A minimum of 360 credits must be passed for the award of a 3-year degree (BScBotSc, BSc.PCT, BSc.PHP, BScAB, BScChem, BScWSc, BScAppZoo, BScZL, BScPetChem, BScMet, BScChemPhys BScAppMicrChem and BScPMP whereas for BScEd and BScMatSt degree programmes minimum of 388, credits must be passed. For BScActSc a minimum of 428 credits must be passed. For a four-year degree programme (BScIB and BScMB), a minimum of 480 credits must be passed. Passing a course shall mean scoring a "C" grade or higher.
2. All students admitted to the College of Natural and Applied Science (except those enrolled into the BScActS, BScChem, BScAB, BScIB, BScMB, BScZL, BScWSc, BScMet, BScPMP and BScBotSc programmes) shall major in two science subjects starting from their first year of study.
3. All undergraduate students shall major in two science subjects or the equivalent thereof. Subjects such as Mathematics, Physics and Chemistry, which prepare students for specialised professional

practice, may each be counted as two subjects for this purpose, provided that certain prerequisites are met and prior permission is obtained from the respective Head of Department and the Principal of the College.

4. Majoring in a Science subject shall involve passing at least 120 credits including all the prescribed core courses in that subject. To avoid double counting, no course may be counted towards the 120 credits of more than one subject.
5. Majoring in a Science subject that may be counted as, or is equivalent to two subjects, shall involve passing at least 240 credits including all the prescribed core courses in that subject.
6. Science students must take and pass the recommended core courses in Development Studies (100 series) and Environmental Science (200 series) for non-education students.
7. Each student must include and pass in his/her study programme at least 80 credits in the 300-course series in the science majors and not more than 144 credits in the 100-course series.
   7.1 In addition to their Science course load, BScEd students shall take a minimum of 120 credits of Education, including all prescribed core courses.
   7.2 BScEd students must also take all prescribed Teaching Practice courses offered by the School of Education.
8. Each student shall register for courses totalling to at least 120 credits per academic year
9. In addition to core courses required for his/her major subjects, Development Studies, Communication skills and Environmental Science, a student may choose as an elective any course for which he/she can meet the prerequisite/Co-requisite requirements and which is compatible with the teaching timetable (subject to regulation No. 10).
10. At the end of the academic year every student shall, in consultation with his/her Academic Advisor, map out his/ her course programme for the next year. A course programme shall be subject to approval by the Head of the Department in which the student intends to major and by the Principal of the College. The Principal's approval shall constitute formal enrolment for all the courses listed in the programme. For first year students, mapping of the course programme will be done during the orientation week.
11. B.Sc with Education:
    First year students who are pursuing BScEd Programme should select their two major science subjects from the following combinations:
    - Biology and Chemistry;
    - Biology and Geography;
    - Biology and Physics;
    - Chemistry and Computer Science;
    - Chemistry and Mathematics;
    - Chemistry and Physics;
    - Mathematics and Geography;
    - Mathematics and Economics;
    - Mathematics and Computer Science;
    - Physics and Computer Science;
    - Physics and Mathematics.

12. Students may be admitted to CoNAS as transfer students (advanced standing status) provided that their previous work was done at an institution recognized by the University of Dar es Salaam. Such students must provide also a detailed syllabus of the course done and transcript of the grades obtained.
13. The maximum transferable load shall be 120 credits (approximately one year's work).
14. The degree classification of a transfer student shall be based solely on credits done at the University of Dar es Salaam. It shall be based on a minimum of 240 credits for the undergraduate degree programmes in CoNAS.

College Examination Regulations

15. Each course will be assessed at the time of its completion and a grade awarded. The grade will be based on an end of course examination and a coursework assessment. The coursework assessment shall normally constitute 40% of the total course assessment. Coursework assessment, may however, with the approval of Senate, constitute up to 100% of the total course assessment provided that where it exceeds 40% the assignments on which it is based shall be available for scrutiny by the External Examiner.

16. Monitoring of the student's progress in each course will be based on the following:

16.1 Grade to marks (%) correspondence:

A = 70% -100%; B+ = 60% - 69%; B = 50% - 59%;
C = 40% - 49%; D = 35% - 39%; E = 0% - 34%

16.2 Grade to points correspondence:

A = 5 points	B+ = 4 points	B = 3 points
C = 2 points	D = 1 points	E = 0 points

16.3 Course grade multiplied by the appropriate credit weighting will be accumulated over the whole period of study and will form the basis for the assessment of the degree.

17. An average grade for each major subject shall be worked out by adding together, by means of weighted points, all the grades of the core course in that subject. The following points to grade correspondence shall apply in monitoring the student's progress in each major subject:

4.4 - 5.0 = A
3.5 - 4.3 = B+
2.7 - 3.4 = B
2.0 - 2.6 = C
1.0 - 1.9 = D
0.0 - 0.9 = E

18. A student who has passed courses totalling to more than 360 credits in a three-year programme shall have one or more elective courses excluded from the assessment in the degree classification. The assessment shall in this case exclude those elective courses in which the student had the worst performance. However, for BScEd programme the minimum number of credits to be considered shall be 388.

18.1 The average score for the degree will be computed in the same way as for the average score for a major subject. The degree classification shall be based on the best 360 provided that regulations Number 1 to 9 above are fulfilled. In the case of BScEd programme, the degree classification shall be based on the best 388. The classification shall be as follows:

First Class 4.4 – 5.0
Upper Second 3.5 – 4.3
Lower Second 2.7 – 3.4
Pass 2.0 – 2.6

19. To be allowed to continue with any degree programme in CoNAS, a student must pass all the prescribed core courses in each of the major Science subjects and attain an overall GPA of 2.0 or above.

19.1 A student may be allowed to carry over the failed courses in subsequent years within the allowed registration period if he or she attained an overall GPA of 2.0 or above as per general University Examinations Regulations (GUER).

19.2 Any student who has failed a core course and does not qualify for continuing in the subsequent year shall be discontinued.

20. Any student, who has qualified to continue with his studies under regulation No. 19.1, must sit for a carry-over examination in any core courses in which he/ she has failed (i.e. scored a "D" or "E" or CRV) in the examination. The highest grade awarded shall be the minimum passing grade (i.e. "C").

22. If a student fails to obtain a "C" average at 2.0 or better in all the core courses in two of the Science subjects that he/she will be majoring in, he/she shall be discontinued from studies.

23. A grade scored in the carry over examination shall constitute the final grade in that course regardless of the score in the original examination.

24. A student who has qualified to continue with his/her studies (under Regulations 21 and 22 above) must repeat any core course in which he/she has failed even if he/she drops the subject to which the course belongs.

    24.1 A student who fails a carry over examination in a core course in which he/she has enrolled twice shall be discontinued.

25. Carry over or repetition of elective courses will only be allowed in exceptional circumstances, normally only when those units are needed to meet the requirements for completing a degree programme.

26. A special examination in a course to be regarded as constituting a first sitting shall be given to students who for satisfactory reasons were allowed by the Principal not to take the regular examination.

    26.1 Normally, special examinations will be given at the time of regular examinations

    26.2 A student who is required to sit for a special examination or who, for satisfactory reasons, has not completed an important portion of his/her course work, shall be awarded an "I" ("Incomplete") Grade.

    26.3 A student who has been awarded an "I" grade during any academic year is required to clear the grade during the time of examinations for that academic year. Except with the approval of the College Board, any "I" grade not cleared at the time of the examinations automatically becomes an "E" grade.

27. No student will be enrolled in a course for which he/she has not fulfilled the prerequisites. A course for which a "D" grade or lower is obtained shall not be counted as fulfilling a prerequisite for any course unless it is a course in the same series taken during the same session.

28. To be allowed to repeat a course, in which an examination is a part of the assessment, a student must first sit for coursework assessment or and university examination in that course.

29. The maximum time for which a student may remain registered in the College of Science is 5 years for a 3-year programme and 6 years for a 4-year Programme. Any student who is required to repeat/complete certain courses in order to qualify for the award of a degree shall be deemed to have failed the programme at the end of the maximum period if any of such courses have not been passed.

Practical Training

CoNAS runs a practical training programme in which students enrolled in the BScBotSc, BSc.PCT, BSc.PHP, BScPAB, BScIB, BScMB, BScZL, BScChem, BScWSc, BScPChem, BScChemPhy, BSCAppMicroChem, BScMet, BScActSc BScMathStat BScPMP and BScAppZoo courses engage in practical activities related to their fields of study. Normally, these activities are held in various Institutions outside the University. The programme may have two parts: one coming immediately after the First-Year and the other immediately after the Second-Year. The programme seeks:

(i) To expose students to the various research and/or production activities being carried out in different parts of the country;

(ii) To enable students to apply their knowledge in practice;
(iii) To ensure that on leaving the University, graduates have acquired some appropriate work experience;
(iv) To establish and maintain contact between prospective employers and the University in order to ensure that Students are given the appropriate skills and knowledge for the jobs they are likely to be called upon to perform after graduation;
(v) To enable prospective employers and employees to become acquainted with one another in the working situation.

Regulations Governing Practical Training

1. A student must pass practical training before qualifying for the award of the degree.
2. The assessment will be based on the following four items:

S/N	**Assessment Criteria**	**Score**
(a)	Employers/ /Lab TechnicianAssessment	20%
(b)	UDSM Supervisor	30%
(c)	Logbook	10%
(d)	Final Report	40%
	Total	100%

Coursework Assessments (a - b) will carry 50% and Final Report (c - d) 50%

2.1 **Assessment by the Employer/Lab Technician**

The Employer using an assessment form shall grade the items listed below using the following weighting:
A = Excellent, B = Very Good, C = Good, D = Fair and E = Poor.

The items to be graded by the employer will include the following:
(i) Skills obtained by the student;
(ii) Attitude towards work;
(iii) Personal initiatives and independence;
(iv) Reliability in carrying out duties;
(v) Punctuality to work.

The above 5 items will account for 20% of the overall assessment.

2.2 **Assessment of Logbook and Final Report**

The logbooks should contain description of activities and tasks assigned to students, output from such activities and remarks by the employer. The employer shall sign the document on a weekly basis. Upon completion of PT the students shall write a report based on the activities performed during PT using a recommended format that will be provided. Students shall be required to submit PT reports and logbooks to their respective Departmental PT Coordinator in the sixth week of the subsequent academic year.

The grading of the logbook shall be marked out of 20% based on the following:
(i) Clear description of activities 5%
(ii) Description of Outputs 5%

Grading of the report shall take into consideration the following distribution of marks:
(a) Abstract 2%
(b) Introduction 5%
(c) Materials and Methods 10%

(d) Results/Findings* 10%
(e) Discussion* 8%
(f) Conclusion and Recommendations 3%
(g) References/Bibliography 2%

*Results (d) and Discussion (e) may be combined.

3. Students who do not go to places allocated to them for practical training without satisfactory reasons will be deemed to have absconded their practical training, and will as a result be discontinued from the studies.
4. Students who go to the allocated PT places but refuse to follow the training programme will be deemed to have absconded and consequently shall be discontinued from studies.
5. A PT student who scores below "C" grade shall repeat PT within the valid studentship period but shall be regarded as a carry over and therefore shall not score above "C" grade.
6. The duration of PT programme shall be eight (8) weeks and a student shall report to the PT station on the first day of commencement of the PT. Any other duration, shall be determined and communicated by the DVC responsible for academic affairs. For Industrial and Medical Biotechnology, the PT shall be a 10-week practical training sessions plus a 30-week industrial attachment.
7. A PT student who secures permission that exceeds a total of 10 days away from the PT station for whatever reason shall be required to repeat the PT and his/her grade will be treated as a special examination.
8. A student who wishes to postpone PT on medical or other grounds shall do an equivalent of the complete session during his/her studentship period. If a student wishes to Postpone PT shall write a request letter to the DVC Academic through the Principal of the College, the Head of the Department and the Departmental PT Coordinator.

Course Mapping

Bachelor of Science with Education courses

BScEd (Biology/Chemistry)			
Semester 1, Year 1			
Code	**Course Title**	**Status**	**Credits**
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
BL 111	Introductory Cell Biology and Genetics	Core	12
ZL 121	Invertebrate Zoology	Core	8
CH 118	Basic Analytical and Physical Chemistry	Core	12
CH 121	Chemistry Practicals 1	Core	8
Total			**68**

Semester 2, Year 1			
Code	**Course Title**	**Status**	**Credits**
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
ZL 122	Chordate Zoology	Core	8
BT 131	Introduction to Plant Structure and Physiology	Core	8
CH 117	Organic Chemistry I	Core	12
CH 175	Basic Inorganic Chemistry	Core	12
Total			**65**
Semester 1, Year 2			
Code	**Course Title**	**Status**	**Credits**
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
BL 224	Principles and Techniques of Taxonomy	Core	8
ZL 213	Vertebrate Anatomy and Physiology I	Core	12
CH 243	Organic Chemistry II	Core	12
Total			**54**
BT 129	Evolutionary Botany	Elective	8
BT 228	Community Ecology	Elective	12
ZL 203	Parasitology	Elective	12
CHE 200	Agricultural Chemistry	Elective	12
Total			**44**
Semester 2, Year 2			
Code	**Course Title**	**Status**	**Credits**
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
BT 137	Introduction to Ecology	Core	8

ZL 220	Vertebrate Anatomy and Physiology II	Core	12
CH 290	Chemical Kinetics and Electrochemistry	Core	12
CH 241	Chemistry Practicals III	Core	8
FN 250	Financial Literacy	Core	-
Total			**61**
ZL 124	Developmental Biology	Elective	8
BL 200	Practical Skills for Biology Students	Elective	8
BT 227	Anatomy of Higher Plants	Elective	8
CH 293	Food Chemistry	Elective	8
Total			**32**
Semester 1, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 361	Secondary Education Biology Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 362	Secondary Education Chemistry Methods		
	Pre-teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
BL 331	Cell Biology and Molecular Genetics	Core	12
CH 201	Chemical Thermodynamics	Core	12
CHE 301	Chemistry Laboratory Techniques	Core	8
Total			**52**
BL 315	Ecological Impact Assessment	Elective	8
CH 248	Instrumental Methods in Analytical Chemistry	Elective	12
Total			**20**
Semester 2, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 364	**Teaching Method 2 Biology**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8

	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Chemistry**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
BL 391	Biology Project	Core	12
ZL 343	Microevolution	Core	12
CH 364	Coordination Chemistry	Core	12
CHE 302	Chemistry Research Project	Core	8
Total			**96**

BScEd (Biology/Physics)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
BL 111	Introductory Cell Biology and Genetics	Core	12
ZL 121	Invertebrate Zoology	Core	8
PH 121	Electricity and Magnetism	Core	8
PH 122	Classical Mechanics	Core	8
Total			**64**
PH 162	Mathematical Methods for Physicists I	Elective	8
Total			8
Semester 2, Year 1			
Code	**Course Title**	**Status**	**Credits**
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
ZL 122	Chordate Zoology	Core	8
BT 131	Introduction to Plant Structure and Physiology	Core	8
PH 116	Experimental Methods of Physics I	Core	8
PH 127	Vibrations, Waves and Optics	Core	12
Total			**61**

Semester 1, Year 2			
Code	**Course Title**	**Status**	**Credits**
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
BL 224	Principles and Techniques of Taxonomy	Core	8
ZL 213	Vertebrate Anatomy and Physiology I	Core	12
PH 217	Quantum Physics	Core	12
PH 247	Experimental Methods of Physics II	Core	8
Total			**62**
BT 129	Evolutionary Botany	Elective	8
PH 161	Nuclear and Radiation Physics	Elective	8
PH 272	Particle Physics	Elective	8
Total			**24**
Semester 2, Year 2			
Code	**Course Title**	**Status**	**Credits**
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
BT 137	Introduction to Ecology	Core	8
ZL 220	Vertebrate Anatomy and Physiology II	Core	12
PH 220	Statistical Thermodynamics	Core	8
PH 229	Computational Physics	Core	8
FN 250	Financial Literacy	Core	-
Total			**57**
ZL 124	Developmental Biology	Elective	8
BL 200	Practical Skills for Biology Students	Elective	8
BT 227	Anatomy of Higher Plants	Elective	8
PH 249	Fundamentals of Materials Science	Elective	8
PH 222	Advanced Mechanics	Elective	8
Total			**40**

Semester 1, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 361	Secondary Education Biology Methods		
	Pre-teaching activities	Core	4
	immersive simulated teaching	Core	6
CT 363	Secondary Education Physics Methods		
	Pre-teaching activities	Core	4
	immersive simulated teaching	Core	6
BL 331	Cell Biology and Molecular Genetics	Core	12
PH 339	Electronics	Core	12
PH 332	Solid State Physics	Core	8
Total			**52**
BL 315	Ecological Impact Assessment	Elective	8
PH 319	Fundamentals of Atmospheric Physics	Elective	8
PH 334	Energy and Environment	Elective	8
PH 326	Physics in an Enterprise Culture	Elective	8
PH 278	Nuclear Safety and Security	Elective	8
Total			**40**
Semester 2, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 364	**Teaching Method 2 Biology**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Physics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
BL 391	Biology Project	Core	12
ZL 343	Microevolution	Core	12
PH 346	Physics Project	Core	8
PH 351	Physics of the Atom	Core	12
Total			**96**

BScEd (Biology/Geography)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
BL 111	Introductory Cell Biology and Genetics	Core	12
ZL 121	Invertebrate Zoology	Core	8
GE 140	Physical Geography	Core	12
Total			**60**
Semester 2, Year 1			
Code	**Course Title**	**Status**	**Credits**
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
ZL 122	Chordate Zoology	Core	8
BT 131	Introduction to Plant Structure and Physiology	Core	8
GE 141	Climatology	Core	12
GE 144	Surveying and Mapping Science	Core	12
Total			**65**

Semester 1, Year 2

Code	Course Title	Status	Credits
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
BL 224	Principles and Techniques of Taxonomy	Core	8
ZL 213	Vertebrate Anatomy and Physiology I	Core	12
GE 244	Quantitative Methods in Geography	Core	12
Total			**54**
BT 129	Evolutionary Botany	Elective	8
BT 228	Community Ecology	Elective	12
ZL 203	Parasitology	Elective	12
Total			**32**

Semester 2, Year 2

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
BT 137	Introduction to Ecology	Core	8
ZL 220	Vertebrate Anatomy and Physiology II	Core	12
GE 241	Biogeography	Core	12
FN 250	Financial Literacy	Core	-
Total			**53**
ZL 124	Developmental Biology	Elective	8
BL 200	Practical Skills for Biology Students	Elective	8
BT 227	Anatomy of Higher Plants	Elective	8
Total			**24**

Semester 1, Year 3

Code	Course Title	Status	Credits
CT 361	Secondary Education Biology Methods		
	Pre-Teaching Activities	Core	4
	immersive simulated teaching	Core	6
CT 355	Secondary Education Geography Methods		
	Pre-Teaching Activities	Core	4
	immersive simulated teaching	Core	6
BL 331	Cell Biology and Molecular Genetics	Core	12
GE 355	Integrated Natural Resources Management	Core	12
GE 357	Applied Geographical Information	Core	12
Total			**56**
BL 315	Ecological Impact Assessment	Elective	8
Total			**8**

Semester 2, Year 3

Code	Course Title	Status	Credits
CT 364	**Teaching Method 2 Biology**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8

	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Geography**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
BL 391	Biology Project	Core	12
ZL 343	Microevolution	Core	12
GE 371	Biogeography	Core	12
GE 373	Applied Geographical Information	Core	12
Total			**100**

BScEd (Chemistry/Physics)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
PH 121	Electricity and Magnetism	Core	8
PH 122	Classical Mechanics	Core	8
CH 118	Basic Analytical and Physical Chemistry	Core	12
CH 121	Chemistry Practicals 1	Core	8
Total			**64**
PH 162	Mathematical Methods for Physicists I	Elective	8
Total			**8**

Semester 2, Year 1

Code	Course Title	Status	Credits
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
PH 116	Experimental Methods of Physics I	Core	8
PH 127	Vibrations, Waves and Optics	Core	12
CH 117	Organic Chemistry I	Core	12
CH 175	Basic Inorganic Chemistry	Core	12
Total			**69**

Semester 1, Year 2

Code	Course Title	Status	Credits
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
PH 217	Quantum Physics	Core	12
PH 247	Experimental Methods of Physics II	Core	8
CH 243	Organic Chemistry II	Core	12
Total			**54**
PH 204	Mathematical Methods of Physics	Elective	12
PH 161	Nuclear and Radiation Physics	Elective	8
PH 272	Particle Physics	Elective	8
CHE 200	Agricultural Chemistry	Elective	12
Total			**40**

Semester 2, Year 2

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
PH 220	Statistical Thermodynamics	Core	8
PH 229	Computational Physics	Core	8
CH 290	Chemical Kinetics and Electrochemistry	Core	12
CH 241	Chemistry Practicals III	Core	8
FN 250	Financial Literacy	Core	-
Total			**57**
PH 249	Fundamentals of Materials Science	Elective	8
PH 222	Advanced Mechanics	Elective	8
CH 294	Analytical Chemistry	Elective	12
CH 293	Food Chemistry	Elective	8
CH 227	Environmental Chemistry	Elective	12
Total			**48**

Semester 1, Year 3

Code	Course Title	Status	Credits
CT 363	Secondary Education Physics Methods		

	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 362	Secondary Education Chemistry Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
PH 339	Electronics	Core	12
PH 332	Solid State Physics	Core	8
CH 201	Chemical Thermodynamics	Core	12
CHE 301	Chemistry Laboratory Techniques	Core	8
Total			**60**
PH 319	Fundamentals of Atmospheric Physics	Elective	8
PH 334	Energy and Environment	Elective	8
PH 326	Physics in an Enterprise Culture	Elective	8
PH 278	Nuclear Safety and Security	Elective	8
CH 248	Instrumental Methods in Analytical Chemistry	Elective	12
Total			**44**

Semester 2, Year 3

Code	Course Title	Status	Credits
CT 364	**Teaching Method 2 Physics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Chemistry**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
PH 346	Physics Project	Core	8
PH 351	Physics of the Atom	Core	12
CH 364	Coordination Chemistry	Core	12
CHE 302	Chemistry Research Project	Core	8
Total			**92**

BScEd (Chemistry/Mathematics)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
MT 100	Foundations of Analysis	Core	12
MT 127	Linear Algebra I	Core	12
CH 118	Basic Analytical and Physical Chemistry	Core	12
CH 121	Chemistry Practicals 1	Core	8
Total			**72**
Semester 2, Year 1			
Code	**Course Title**	**Status**	**Credits**
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
MT 136	Ordinary Differential Equations	Core	12
MT 129	Introduction to Geometry	core	8
CH 117	Organic Chemistry I	Core	12
CH 175	Basic Inorganic Chemistry	Core	12
Total			**69**
Semester 1, Year 2			
Code	**Course Title**	**Status**	**Credits**
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
MT 228	Calculus I	Core	8
MT 234	Introduction to Probability and Statistics	Core	8
CH 243	Organic Chemistry II	Core	12
Total			**50**
CHE 200	Agricultural Chemistry	Elective	12
Total			**12**
Semester 2, Year 2			

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
MT 278	Linear Programming	Core	8
MT 274	Numerical Analysis I	Core	8
CH 290	Chemical Kinetics and Electrochemistry	Core	12
CH 241	Chemistry Practicals III	Core	8
FN 250	Financial Literacy	Core	-
Total			**57**
CH 294	Analytical Chemistry	Elective	12
CH 293	Food Chemistry	Elective	8
CH 227	Environmental Chemistry	Elective	12
Total			**32**
Semester 1, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 358	Secondary Education Mathematics Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 362	Secondary Education Chemistry Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
MT 248	Calculus II	Core	8
MT 265	Mathematical Computing	Core	8
CH 201	Chemical Thermodynamics	Core	12
CHE 301	Chemistry Laboratory Techniques	Core	8
Total			**56**
CH 248	Instrumental Methods in Analytical Chemistry	Elective	12
Total			**12**
Semester 2, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 364	**Teaching Method 2 Mathematics**		
	Cycle 1: Observation and Co-Teaching	Core	6

	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Chemistry**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
MT 310	Analysis 3: Complex Analysis	Core	8
MT 388	Mathematics Project for Teachers	Core	8
CH 364	Coordination Chemistry	Core	12
CHE 302	Chemistry Research Project	Core	8
Total			**88**

BScEd (Chemistry/Computer Science)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
CS 151	Computer Organization and Architecture I	Core	12
CH 118	Basic Analytical and Physical Chemistry	Core	12
CH 121	Chemistry Practicals 1	Core	8
Total			**60**

Semester 2, Year 1

Code	Course Title	Status	Credits
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
IS 171	Foundation of Computer Networking	Core	12
CS 178	Foundations of High-Level Programming	Core	12
CH 117	Organic Chemistry I	Core	12
CH 175	Basic Inorganic Chemistry	Core	12
Total			**73**

Semester 1, Year 2

Code	Course Title	Status	Credits
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6

EP 210	Assessment and Evaluation	Core	8
IS 264	Database Systems	Core	12
IS 201	Python for Data Analysis	Core	8
CH 243	Organic Chemistry II	Core	12
Total			**54**
CHE 200	Agricultural Chemistry	Elective	12
Total			**12**

Semester 2, Year 2

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
IS 181	Web Programming	Core	12
CS 234	Object Oriented Programming in Java	Core	12
CH 290	Chemical Kinetics and Electrochemistry	Core	12
CH 241	Chemistry Practicals III	Core	8
FN 250	Financial Literacy	Core	-
Total			**65**

Semester 1, Year 3

Code	Course Title	Status	Credits
CT 360	Secondary Education Computer Science Methods		
	Pre-teaching activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 362	Secondary Education Chemistry Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
IS 237	Data Abstraction and Algorithm	Core	12
IS 346	Emerging Digital Technologies	Core	8
CH 201	Chemical Thermodynamics	Core	12
CHE 301	Chemistry Laboratory Techniques	Core	8
Total			**60**
IS 337	Mobile Computing and Application Development	Elective	8
CH 248	Instrumental Methods in Analytical Chemistry	Elective	12
Total			**20**

Semester 2, Year 3

Code	Course Title	Status	Credits
CT 364	**Teaching Method 2 Computer Science**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Chemistry**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CS 334	Operating Systems	Core	12
ISE 300	Computer Science Project	Core	8
CH 364	Coordination Chemistry	Core	12
CHE 302	Chemistry Research Project	Core	8
Total			**92**

BScEd (Mathematics/Economics)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
MT 100	Foundations of Analysis	Core	12
MT 127	Linear Algebra I	Core	12
EC 116	Introductory Microeconomic Analysis I	Core	12
Total			**64**

Semester 2, Year 1

Code	Course Title	Status	Credits
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
MT 136	Ordinary Differential Equations	Core	12
MT 129	Introduction to Geometry	core	8
EC 126	Introductory Microeconomic Analysis II	Core	12
Total			**57**

Semester 1, Year 2

Code	Course Title	Status	Credits
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
MT 228	Calculus I	Core	8
MT 234	Introduction to Probability and Statistics	Core	8
EC 216	Intermediate Microeconomic Analysis I	Core	12
EC 117	Introductory Macroeconomic Analysis II	Core	12
Total			**62**

Semester 2, Year 2

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
MT 278	Linear Programming	Core	8
MT 274	Numerical Analysis I	Core	8
EC 127	Introductory Macroeconomic Analysis II	Core	12
FN 250	Financial Literacy	Core	-
Total			**49**

Semester 1, Year 3

Code	Course Title	Status	Credits
CT 358	Secondary Education Mathematics Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 350	Secondary Education Economics Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
MT 248	Calculus II	Core	8
MT 265	Mathematical Computing	Core	8
EC 217	Intermediate Macroeconomic Analysis I	Core	12
EC 372	Public Sector Economics	Core	12
Total			**60**

Semester 2, Year 3

Code	Course Title	Status	Credits
CT 364	**Teaching Method 2 Mathematics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Economics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
MT 310	Analysis 3: Complex Analysis	Core	8
MT 388	Mathematics Project for Teachers	Core	8
EC 226	Intermediate Microeconomic Analysis II	Core	12
EC 227	Intermediate Macroeconomic Analysis II	Core	12
Total			**92**

BScEd (Mathematics/Geography)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
MT 100	Foundations of Analysis	Core	12
MT 127	Linear Algebra I	Core	12
GE 140	Physical Geography	Core	12
Total			**64**

Semester 2, Year 1

Code	Course Title	Status	Credits
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
MT 136	Ordinary Differential Equations	Core	12
MT 129	Introduction to Geometry	core	8
GE 141	Climatology	Core	12
GE 144	Surveying and Mapping Science	Core	12

Total			**69**

Semester 1, Year 2

Code	Course Title	Status	Credits
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
MT 228	Calculus I	Core	8
MT 234	Introduction to Probability and Statistics	Core	8
GE 244	Quantitative Methods in Geography	Core	12
Total			**50**

Semester 2, Year 2

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
MT 278	Linear Programming	Core	8
MT 274	Numerical Analysis I	Core	8
GE 241	Biogeography	Core	12
FN 250	Financial Literacy	Core	-
Total			**49**

Semester 1, Year 3

Code	Course Title	Status	Credits
CT 358	Secondary Education Mathematics Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 362	Secondary Education Chemistry Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
MT 248	Calculus II	Core	8
MT 265	Mathematical Computing	Core	8
GE 355	Integrated Natural Resources Management	Core	12
GE 357	Applied Geographical Information	Core	12
Total			**60**

Semester 2, Year 3

Code	Course Title	Status	Credits
CT 364	**Teaching Method 2 Mathematics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Chemistry**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
MT 310	Analysis 3: Complex Analysis	Core	8
MT 388	Mathematics Project for Teachers	Core	8
GE 371	Biogeography	Core	12
GE 373	Applied Geographical Information	Core	12
Total			**92**

BScEd (Mathematics/Computer Science)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
MT 100	Foundations of Analysis	Core	12
MT 127	Linear Algebra I	Core	12
CS 151	Computer Organization and Architecture I	Core	12
Total			**64**

Semester 2, Year 1

Code	Course Title	Status	Credits
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
MT 136	Ordinary Differential Equations	Core	12
MT 129	Introduction to Geometry	core	8
IS 171	Foundation of Computer Networking	Core	12
CS 178	Foundations of High-Level Programming	Core	12
Total			**69**

Semester 1, Year 2

Code	Course Title	Status	Credits
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
MT 228	Calculus I	Core	8
MT 234	Introduction to Probability and Statistics	Core	8
IS 264	Database Systems	Core	12
IS 201	Python for Data Analysis	Core	8
Total			**58**

Semester 2, Year 2

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
MT 278	Linear Programming	Core	8
MT 274	Numerical Analysis I	Core	8
IS 181	Web Programming	Core	12
CS 234	Object Oriented Programming in Java	Core	12
FN 250	Financial Literacy	Core	-
Total			**61**

Semester 1, Year 3

Code	Course Title	Status	Credits
CT 358	Secondary Education Mathematics Methods		
	Pre-teaching activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 360	Secondary Education Computer Science Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
MT 248	Calculus II	Core	8
MT 265	Mathematical Computing	Core	8
IS 237	Data Abstraction and Algorithm	Core	12
IS 346	Emerging Digital Technologies	Core	8
Total			**56**

Semester 2, Year 3

Code	Course Title	Status	Credits
CT 364	**Teaching Method 2 Mathematics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Computer Science**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
MT 310	Analysis 3: Complex Analysis	Core	8
MT 388	Mathematics Project for Teachers	Core	8
CS 334	Operating Systems	Core	12
ISE 300	Computer Science Project	Core	8
Total			**88**

BScEd (Physics/Computer Science)
Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
DS 114	Development Perspectives I	Core	12
CS 151	Computer Organization and Architecture I	Core	12
PH 121	Electricity and Magnetism	Core	8
PH 122	Classical Mechanics	Core	8
Total			**56**
PH 162	Mathematical Methods for Physicists I	Elective	8
Total			**8**

Semester 2, Year 1

Code	Course Title	Status	Credits
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
IS 171	Foundation of Computer Networking	Core	12
CS 178	Foundations of High-Level Programming	Core	12

PH 116	Experimental Methods of Physics I	Core	8
PH 127	Vibrations, Waves and Optics	Core	12
Total			**69**

Semester 1, Year 2

Code	Course Title	Status	Credits
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
IS 264	Database Systems	Core	12
IS 201	Python for Data Analysis	Core	8
PH 217	Quantum Physics	Core	12
PH 247	Experimental Methods of Physics II	Core	8
Total			**62**
PH 161	Nuclear and Radiation Physics	Elective	8
PH 272	Particle Physics	Elective	8
Total			**16**

Semester 2, Year 2

Code	Course Title	Status	Credits
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8
EP 211	Classroom Action Research	Core	6
IS 181	Web Programming	Core	12
CS 234	Object Oriented Programming in Java	Core	12
PH 220	Statistical Thermodynamics	Core	8
PH 229	Computational Physics	Core	8
FN 250	Financial Literacy	Core	-
Total			**61**
PH 249	Fundamentals of Materials Science	Elective	8
PH 222	Advanced Mechanics	Elective	8
Total			**16**

Semester 1, Year 3

Code	Course Title	Status	Credits
CT 363	Secondary Education Physics Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6

CT 360	Secondary Education Computer Science Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
IS 237	Data Abstraction and Algorithm	Core	12
IS 346	Emerging Digital Technologies	Core	8
PH 339	Electronics	Core	12
PH 332	Solid State Physics	Core	8
Total			**60**
IS 337	Mobile Computing and Application Development	Elective	8
PH 319	Fundamentals of Atmospheric Physics	Elective	8
PH 334	Energy and Environment	Elective	8
PH 326	Physics in an Enterprise Culture	Elective	8
PH 278	Nuclear Safety and Security	Elective	8
Total			**40**

Semester 2, Year 3

Code	Course Title	Status	Credits
CT 364	**Teaching Method 2 Physics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CT 365	**Teaching Method 2 Computer Science**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
CS 334	Operating Systems	Core	12
ISE 300	Computer Science Project	Core	8
PH 346	Physics Project	Core	8
PH 351	Physics of the Atom	Core	12
Total			**92**

BScEd (Physics/Mathematics)

Semester 1, Year 1

Code	Course Title	Status	Credits
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8

DS 114	Development Perspectives I	Core	12
MT 100	Foundations of Analysis	Core	12
MT 127	Linear Algebra I	Core	12
PH 121	Electricity and Magnetism	Core	8
PH 122	Classical Mechanics	Core	8
Total			**68**
Semester 2, Year 1			
Code	**Course Title**	**Status**	**Credits**
EP 105	Inclusive Education	Core	6
EF 103	Sociology of Education	Core	7
DS 115	Development Perspectives II	Core	12
MT 136	Ordinary Differential Equations	Core	12
MT 129	Introduction to Geometry	core	8
PH 116	Experimental Methods of Physics I	Core	8
PH 127	Vibrations, Waves and Optics	Core	12
Total			**65**
Semester 1, Year 2			
Code	**Course Title**	**Status**	**Credits**
CT 200	Curriculum and Teaching	Core	8
CL 110	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
MT 228	Calculus I	Core	8
MT 234	Introduction to Probability and Statistics	Core	8
PH 217	Quantum Physics	Core	12
PH 247	Experimental Methods of Physics II	Core	8
Total			**58**
PH 204	Mathematical Methods of Physics	Elective	12
PH 161	Nuclear and Radiation Physics	Elective	8
PH 272	Particle Physics	Elective	8
Total			**28**
Semester 2, Year 2			
Code	**Course Title**	**Status**	**Credits**
EA 202	Instructional Leadership	Core	7
EF 201	Professionalism and Ethics	Core	8

EP 211	Classroom Action Research	Core	6
MT 278	Linear Programming	Core	8
MT 274	Numerical Analysis I	Core	8
PH 220	Statistical Thermodynamics	Core	8
PH 229	Computational Physics	Core	8
FN 250	Financial Literacy	Core	-
Total			**53**
PH 249	Fundamentals of Materials Science	Elective	8
PH 222	Advanced Mechanics	Elective	8
Total			**16**
Semester 1, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 363	Secondary Education Physics Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 362	Secondary Education Mathematics Methods		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
MT 248	Calculus II	Core	8
MT 265	Mathematical Computing	Core	8
PH 339	Electronics	Core	12
PH 332	Solid State Physics	Core	8
Total			**56**
PH 319	Fundamentals of Atmospheric Physics	Elective	8
PH 334	Energy and Environment	Elective	8
PH 326	Physics in an Enterprise Culture	Elective	8
PH 278	Nuclear Safety and Security	Elective	8
Total			**32**
Semester 2, Year 3			
Code	**Course Title**	**Status**	**Credits**
CT 364	**Teaching Method 2 Physics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12

CT 365	**Teaching Method 2 Mathematics**		
	Cycle 1: Observation and Co-Teaching	Core	6
	Cycle 2: Lesson Planning and Implementation	Core	8
	Cycle 3: Lesson Planning and Independent Teaching	Core	12
MT 310	Analysis 3: Complex Analysis	Core	8
MT 388	Mathematics Project for Teachers	Core	8
PH 346	Physics Project	Core	8
PH 351	Physics of the Atom	Core	12
Total			**88**

DEPARTMENT OF BOTANY

Bachelor of Science in Plant Health and Protection

Code	Course Title	Credit	Semester	Status
First Year				
MC 100	Fundamentals of Microbiology	12	1	Core
DS 114	Development Perspectives I	12	1	Core
BL 111	Introductory Cell Biology and Genetics	12	1	Core
BT 129	Introduction to Plant Evolution	8	1	Core
BT 138	Introduction to Mycology	8	1	Core
BT 140	Fundamentals of Plant Protection	12	1	Core
DS 115	Development Perspectives II	12	2	Core
BT 131	Introductory Plant Structure and Physiology	8	2	Core
BT 135	Fundamentals of Soil Science	8	2	Core
BT 136	Weed Science	12	2	Core
BT 139	Introduction to Plant Pathology	8	2	Core
BT 141	Introduction to Plant Biometry	8	2	Core
CL 107	Communication Skills for Science Students	12	2	Elective
Second Year				
BT 219	Practical Training I	8	1	Core
BT 240	Methods in Plant Pathology	8	1	Core
BT 241	Seed biology and Technology	12	1	Core
BT 243	Plant Breeding and Biotechnology	8	1	Core
BT 244	Horticulture	12	1	Core
ZL 204	Entomology	12	1	Core
BT 238	Plant tissue culture and Propagation	8	1	Elective
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Elective
BT 224	Introduction to Plant Molecular Biology	8	2	Core
BT 227	Anatomy of Higher Plants	8	2	Core
BT 235	Soil Health and Plant Nutrient Management	12	2	Core
BT 237	Plant Biochemistry	8	2	Core
BT 242	Conservation of Plant Genetic Resources	12	2	Core
BT 299	Practical Training II	8	2	Core
BT 230	Plant Population Genetics	12	2	Elective
BT 239	Quantitative Genetics	8	2	Elective
Third Year				
BI 200	Introduction to Bioinformatics	12	1	Core
BT 364	Pesticides and Biological Control	12	1	Core
BT 366	Polocies and Legislations in Plant Protection	8	1	Core
BT 368	Applied Plant Pathology	8	1	Core
BT 369	Advanced Plant Biometry	12	1	Core
BT 229	Fundamentals of Climate Change in Plant Conservation	8	1	Elective
BL 315	Ecological Impact Assessment	8	1	Elective
BT 360	Innovation and Entrepreneurship in Botany	12	2	Core
BT 365	Integrated Pest and Disease Management	8	2	Core

Code	Course Title	Credit	Semester	Status
BT 367	Plant Ecophysiology	8	2	Core
BT 390	Research Project	12	2	Core
BT 399	Industrial Training Attachment	12	2	Core
BT 361	Algal Farming and Value Addition	12	2	Elective
BT 362	Agroecology	12	2	Elective
BT 363	Project Monitoring and Evaluation	12	2	Elective

Bachelor of Science in Plant Conservation and Taxonomy

Code	Course Title	Credit	Semester	Status
First Year				
DS 114	Development Perspectives I	12	1	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
BL 111	Introductory Cell Biology and Genetics	12	1	Core
BT 129	Introduction to Plant Evolution	8	1	Core
BT 132	Principles of Plant Taxonomy	8	1	Core
BT 133	Introduction to Plant Conservation	8	1	Core
BT 138	Introduction to Mycology	8	1	Elective
DS 115	Development Perspectives II	12	2	Core
BT 131	Introductory Plant Structure and Physiology	8	2	Core
BT 134	Practical Plant Taxonomy	8	2	Core
BT 135	Fundamentals of Soil Science	8	2	Core
BT 137	Introduction to Ecology	8	2	Core
BT 141	Introduction to Plant Biometry	8	2	Core
BT 142	Biology of Invasive Plant Species	8	2	Core
CL 107	Communication Skills for Science Students	12	2	Elective
Second Year				
BT 219	Practical Training I	8	1	Core
BT 225	Taxonomy of Higher Plants	8	1	Core
BT 226	Molecular Methods in Plant Conservation	8	1	Core
BT 228	Community Ecology	12	1	Core
BT 229	Fundamentals of Climate Change in Plant Conservation	8	1	Core
BT 231	Silviculture for Nature Based Solutions	8	1	Core
BT 241	Seed Biology and Technology	8	1	Core
BT 236	Ethnobotany	12	1	Elective
BT 221	Soil Management and Conservation	12	2	Core
BT 232	Field Methods in Plant Ecology	8	2	Core
BT 233	Ecology and Taxonomy of Aquatic Plants	8	2	Core
BT 234	Management of Protected Areas	12	2	Core
BT 242	Conservation of Plant Genetic Resources	12	2	Core
BT 299	Practical Training II	8	2	Core
BT 227	Anatomy of Higher Plants	8	2	Elective
BT 230	Plant Population Genetics	8	2	Elective
BT 224	Introduction to Plant Molecular Biology	8	2	Elective
Third Year				
BT 370	Carbon Trading for Conservation	12	1	Core

BT 349	Conservation of Fragile Ecosystems	8	1	Core
BT 360	Innovation and Entrepreneurship in Botany	12	1	Core
BT 358	Restoration Ecology and Conservation	12	1	Core
BT 369	Advanced Plant Biometry	12	1	Core
BL 315	Ecological Impact Assessment	8	1	Elective
BT 329	Plant Ecology and Phytogeography	8	1	Elective
BI 200	Introduction to Bioinformatics	12	1	Elective
BT 350	Plant Systematics	8	2	Core
BT 351	Watershed Management	8	2	Core
BT 356	Plant Diversity and Conservation	8	2	Core
BT 371	Industrial Training Attachment	12	2	Core
BT 390	Research Project	12	2	Core
BT 359	Non-Timber Forest Products	8	2	Elective
BT 361	Algal farming and Value Addition	12	2	Elective
BT 362	Agroecology	8	2	Elective
BT 363	Project Monitoring and Evaluation	8	2	Elective
BT 367	Plant Ecophysiology	8	2	Elective

CHEMISTRY DEPARTMENT

Bachelor of Science in Chemistry

First Year

Code	Course Title	Credit	Semester	Status
DS 114	Development Perspectives I	12	1	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 121	Chemistry Practical I	8	1	Core
CH 172	Chemical Separation	12	1	Core
CH 191	Theoretical Methods for Chemists	12		Core
GY 100	Introduction to Geology and Geological Processes	12	1	Elective
MC 100	Fundamentals of Microbiology	12	1	Elective
DS 115	Development Perspectives II	12	2	Core
CH 117	Organic Chemistry I	12	2	Core
CH 122	Chemistry Practical II	8	2	Core
CH 173	Introduction to Electronic Structure and Spectroscopy	12	2	Core
CH 174	Scientific Methods in Chemistry	8	2	Core
CH 175	Basic Inorganic Chemistry	12	2	Core
Second Year				
CH 201	Chemical Thermodynamics	12	1	Core
CH 243	Organic Chemistry II	12	1	Core
CH 244	Chemistry Practical IV	8	1	Core
CH 248	Instrumental Methods in Analytical Chemistry	12	1	Core
CH 296	Soil Chemistry	12	1	Core
CH 245	Chemistry Practical V	8	1	Core
CH 227	Environmental Chemistry	12	2	Core
CH 241	Chemistry Practical III	8	2	Core
CH 290	Chemical Kinetics and Electrochemistry	12	2	Core
CH 294	Analytical Chemistry	Core	2	Core
CH 295	Applications of Computer Software in Chemistry	Core	2	Core
CH 299	Practical Training	8	1	Core
CH 297	Fundamentals of Nanomaterials	8	1	Elective
CH 293	Food Chemistry	8	2	Elective
CH 298	Entrepreneurship and Innovation in Chemistry	8	2	Elective
Third Year				
CH 314	Project Work	12(6)	1	Core
CH 341	Chemistry Practical VI	8	1	Core
CH 371	Quality Control and Assurance	12	1	Core
CH 377	Industrial Chemistry	12	1	Core
CH 323	Organic Spectroscopy	12	1	Core
CH 314	Project Work	12(6)	2	Core
CH 303	Organic Synthesis	12	2	Core

Code	Course Title	Credit	Semester	Status
CH 364	Coordination Chemistry	12	2	Core
CH 351	Forensic Chemistry	8	2	Core
CH 399	Practical Training	8	1	Core
CH 308	Polymer Chemistry	8	1	Elective
CH 353	Biochemistry	8	1	Elective
CH 363	Chemical Waste Management	8	1	Elective
CH 379	Organometallic Chemistry	12	1	Elective
CH 394	Fundamentals of Theoretical Chemistry	12	2	Elective
CH 315	Surface and Colloidal Chemistry	8	2	Elective
CH 305	Chemistry of Natural Products	8	2	Elective
CH 318	Medicinal Chemistry	8	2	Elective
CH 396	Chemistry of Sustainable Energy	8	2	Elective

Bachelor of Science in Petroleum Chemistry

First year

Code	Course Title	Credit	Semester	Status
DS 114	Development Perspectives I	12	1	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 121	Chemistry Practical I	8	1	Core
CH 172	Chemical Separation	12	1	Core
CH 191	Theoretical Methods for Chemists	12	1	Core
DS 115	Development Perspectives II	12	2	Core
CH 117	Organic Chemistry I	12	2	Core
CH 122	Chemistry Practical II	8	2	Core
CH 173	Introduction to Electronic Structure and Spectroscopy	12	2	Core
CH 174	Scientific Methods in Chemistry	12	2	Core
CH 175	Basic Inorganic Chemistry	12	2	Core
PC 100	Introduction to Fossil Fuels	12	2	Core
GY 100	Introduction to Geology and Geological Processes	12	1	Elective
OG 101	Introduction to Petroleum Engineering	12	1	Elective
Second Year				
CH 201	Chemical Thermodynamics	12	1	Core
CH 243	Organic Chemistry II	12	1	Core
CH 248	Instrumental Methods in Analytical Chemistry	12	1	Core
CH 254	Petroleum Chemistry Practical I	12	1	Core
PC 200	Oilfield Chemistry	8	1	Core
PC 204	Petroleum Chemistry Practical - Analytical Techniques	12	1	Core

Code	Course Title	Credit	Semester	Status
PC 202	Petroleum Refining Chemistry	12	2	Core
CH 294	Analytical Chemistry	12	2	Core
CH 227	Environmental Chemistry	12	2	Core
PC 201	Chemistry of Natural Gas Processing	8	2	Core
CH 241	Chemistry Practical III	8	2	Core
CH 296	Soil Chemistry	8	1	Elective
CH 297	Fundamentals of Nanomaterials	8	1	Elective
PC 203	Chemistry of Lubricants	8	2	Elective
CH 295	Applications of Computer Software in Chemistry	12	2	Elective
CH 298	Entrepreneurship and Innovation in Chemistry	8	2	Elective
Third Year				
CH 337	Petroleum Chemistry Practicals III	12	1	Core
CH 341	Chemistry Practical VI	8	1	Core
CH 323	Organic Spectroscopy	12	1	Core
CH 371	Quality Control and Assurance	12	1	Core
CH 308	Polymer Chemistry	8	1	Core
PC 301	Chemistry of Petrochemicals and their Industrial Applications	8	1	Core
PC 300	Chemistry of Unconventional Hydrocarbon Resources	12	2	Core
PC 302	Project Work and Industrial Engagement	12	2	Core
PC 303	Flow Assurance in Petroleum Industry	112	2	Core
CH 315	Surface and Colloidal Chemistry	8	2	Core
CH 399	Practical Training	8	1	Core
CH 363	Chemical Waste Management	8	1	Elective
CH 377	Industrial Chemistry	12	1	Elective
PG 323	Petroleum Geochemistry	12	2	Eleective
CH 396	Chemistry of Sustainable Energy	8	2	Elective

Bachelor of Science in Chemistry and Physics

First Year Status				
Code	**Course Title**	**Credit**	**Semester**	**Status**
DS 114	Development Perspectives I	12	1	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 121	Chemistry Practical I	8	1	Core
CH 172	Chemical Separation	12	1	Core
PH 122	Classical Mechanics	8	1	Core

First Year Status				
Code	**Course Title**	**Credit**	**Semester**	**Status**
PH 124	Optics	8	1	Core
PH 133	Vibrations and Waves	8	1	Core
DS 115	Development Perspectives II	12	2	Core
CH 117	Organic Chemistry I	12	2	Core
CH 173	Introduction to Electronic Structure and Spectroscopy	12	2	Core
PH 116	Experimental Methods of Physics I	8	2	Core
PH 121	Electricity and Magnetism	8	2	Core
PH 126	Analogue Electronics	8	2	Core
Second Year				
CH 201	Chemical Thermodynamics	Core		
CH 243	Organic Chemistry II	12	1	Core
CH 248	Instrumental Methods in Analytical Chemistry	12	1	Core
CH 299	Practical Training	8	1	Core
PH 204	Mathematical Methods for Physics	12	1	Core
PH 224	Digital Electronics	8	1	Core
PH 247	Experimental Methods of Physics II	8	1	Core
CH 227	Environmental Chemistry	12	2	Core
CH 241	Chemistry Practicals III	8	2	Core
CH 290	Chemical Kinetics and Electrochemistry	12	2	Core
PH 217	Quantum Physics	12	2	Core
PH 250	Statistical Physics	8	2	Core
PH 260	Experimental Methods of Physics III	8	2	Core
PH 222	Advanced Mechanics	8	2	Elective
CH 293	Food Chemistry	8	2	Elective
CH 298	Entrepreneurships and Innovation in Chemistry	8	2	Elective
Third Year				
CH 314 /PH 346	Project Work/Physics Project	12/8	1 & 2	Core
CH 377	Industrial Chemistry	12	1	Core
PH 229	Computational Physics	8	1	Core
CH 341	Chemistry Practical VI	8	1	Core
PH 351	Physics of the Atom	8	1	Core
PH 332	Solid State Physics	8	1	Core
CH 364	Coordination Chemistry	8	2	Core
PH 347	Electromagnetism	8	2	Core
PH 210	Physics Practical Training I	8	2	Core

First Year Status				
Code	**Course Title**	**Credit**	**Semester**	**Status**
PH 352	Fundamentals of Medical Physics	8	2	Core
CH 323	Organic Spectroscopy	12	1	Elective
CH 318	Medicinal Chemistry	8	1	Elective
CH 363	Chemical Waste Management	8	1	Elective
CH 371	Quality Control and Assurance	12	1	Elective
PH 354	Experimental Methods of Physics IV	8	1	Elective
PH 222	Advanced Mechanics	8	2	Elective
CH 351	Forensic Chemistry	8	2	Elective
PH 353	Introduction to Nanoscale Materials and Devices	8	2	Elective
PH 359	Astrophysics	8	2	Elective

DEPARTMENT OF MATHEMATICS

Bachelor of Science in Mathematics and Statistics

First Year

Code	Course Title	Credit	Semester	Status
MT 100	Foundations of Analysis	12	1	Core
MT 127	Linear Algebra 1	12	1	Core
ST 113	Basic Statistics	12	1	Core
FN 100	Principles of Microeconomics	12	1	Core
MT 135	Ordinary Differential Equation I	12	2	Core
DS 112	Development Perspectives I	12	1	Core
FN 101	Principles of Macroeconomics	12	2	Core
DS 113	Development Perspectives II	12	2	Core
MT 114	Computer Programming	12	1	Core
MT 120	Analysis I: Functions of Single Variable	12	2	Core
ST 114	Probability Theory I	12	2	Core
CL 107	Communication Skills for Science Students	12	1	Elective
MT 147	Discrete Mathematics	12	2	Elective
ST 118	Time Series and Index Numbers	12	2	Elective
Second Year				
MT 200	Analysis 2: Functions of Several Variables	12	1	Core
ST 210	Probability Distributions I	12	1	Core
MT 278	Linear Programming	12	2	Core
MT 274	Numerical Analysis 1	12	2	Core
ST 211	Probability Distributions II	12	2	Core
ST 218	Applied Statistics I	12	1	Core
MT 225	Partial Differential Equations	12	1	Core
ST 212	Statistical Inference I	12	1	Core
ST 219	Applied Statistics II	12	2	Core
MT 265	Mathematical Computing	12	1	Elective
ST 220	Basic Demographics Methods	12	1	Elective
MT 266	Rigid Body Mechanics	12	2	Elective
ST 217	Probability Theory II	12	2	Elective
Third Year				
MT 357	Abstract Algebra	12	1	Core
ST 310	Statistical Inference II	12	1	Core
MT 340	Analysis 4: Real Analysis	12	1	Core
ST 318	Sampling Theory and Methodology	12	2	Core
MT 310	Complex Analysis	12	1	Core
ST 316	Statistical Quality Control	12	2	Core
ST 321	Regression Analysis	12	2	Core
MT 398	Practical Training	8	2	Core
MT 389	Project	8	2	Core
MT 360	Functional Analysis	12	2	Core
ST 319	Design and Analysis of Experiments	12	1	Elective
MT 378	Queuing Theory and Inventory Models	12	1	Elective
MT 346	Fluid Mechanics	12	2	Elective
ST 312	Stochastic Processes	12	2	Elective

Bachelor of Science in Actuarial Sciences

First Year

Code	Course Title	Credit	Semester	Status
DS 112	Development Perspectives I	12	1	Core
MT 136	Ordinary Differential Equations	8	2	Core
MT 114	Computer Programming	12	1	Core
ST 113	Basic Statistics	12	1	Core
ST 121	Analytical Calculus	12	1	Core
AC 102	Accounting for Non-Business Majors	12	1	Core
FN 102	Introduction to Actuarial Studies	12	2	Core
DS 113	Development Perspectives II	12	2	Core
CL 106	Communication Skills	12	2	Core
MT 180	Introduction to Actuarial Mathematics	12	2	Core
ST 122	Linear Algebra with Applications	12	2	Core
ST 114	Probability Theory I	12	2	Core
FN 101	Principles of Macroeconomics	12	2	Core
Second Year				
MT 281	Life Contingencies	12	1	Core
ST 220	Basic Demographic Methods	12	1	Core
MT 226	Partial Differential Equations	8	1	Core
MT 233	Mathematical Statistics	12	1	Core
MT 278	Linear Programming	12	2	Core
FN 200	Principles of Finance	12	1	Core
FN 209	Risk Theory	12	2	Core
MT 280	Basic Pension Mathematics	12	2	Core
FN 202	Financial Management	12	2	Core
LW 705	Legal Aspects of Actuarial Science	12	2	Core
ST 324	Linear Models	12	2	Core
BM 333	Field Practical with Research Component	24	2	Core
ST 212	Statistical Inference I	12	2	Elective
ST 215	Differential and Difference Equations	12	2	Elective
Third Year				
ST 326	Survival Models	12	1	Core
ST 327	Actuarial Modelling	12	1	Core
FN 315	Basics of Actuarial Planning and Control	12	1	Core
FN 314	Quantitative Methods for Risk Management	12	1	Core
ST 310	Statistical Inference II	12	1	Elective
ST 312	Stochastic Processes	12	1	Elective
MT 378	Queuing Theory and Inventory Models	12	1	Elective
MT 348	Integer and Non-Linear Programming	12	1	Elective
FN 316	Superannuation Practices	12	2	Core
MT 381	Credibility and Loss Distributions	12	2	Core
FN 317	Actuarial Practices in Insurance Schemes	12	2	Core
FN 318	Actuarial Practices in Pension and Retirement Benefits	12	2	Core
ST 325	Mathematical Demography	12	2	Core
FN 310	Investment Analysis	12	2	Elective
FN 301	Financial Analysis	12	2	Elective

DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

Bachelor of Science in Agricultural Biotechnology

First Year

Code	Course Title	Credits	Semester	Status
AB 100	Introductory Agricultural Microbiology	12	1	Core
AB 101	Fundamentals of Biotechnology	12	1	Core
AB 102	Fundamentals of Biochemistry	12	1	Core
AB 103	Molecular Biology	12	1	Core
AB 104	Practical in Molecular Biology	12	1	Core
DS 114	Development Perspectives I	12	1	Core
AB 105	Principles of Animal Biotechnology	12	2	Core
AB 106	Animal Cell Culture and Laboratory Animal Handling	12	2	Core
AB 107	Biotechnology in Livestock Health and Disease Management	12	2	Core
AB 108	Aquatic Biotechnology	12	2	Core
AB 109	Bioethics Regulation	12	2	Core
DS 115	Development Perspectives II	12	2	Core

The curriculum specifies 72 credits in each semester of Year 1.

Second Year

Code	Course Title	Credits	Semester	Status
AB 200	Plant Function	12	1	Core
AB 201	Plant Biotechnology	12	1	Core
BI 200	Introduction to Bioinformatics	12	1	Core
AB 299	Practical Training in Animal-Related Biotechnology Centers	8	1	Core
BL 234	Biostatistics I	12	1	Core
BT 238	Plant Tissue Culture and Propagation	8	1	Core
AB 202	Advanced Bioinformatics and Genomics	12	2	Core
AB 203	Biotechnology for Soil and Water Management	12	2	Core
AB 204	Crop Protection and Biopesticides	12	2	Core
AB 205	Biotechnology for Post-Harvest Application	12	2	Core
AB 206	Seed Production, Management and Technology	12	2	Core
AB 207	Fermentation Technology in Agricultural Biotechnology	12	2	Core

Year 2 Semester 1 carries 64 credits and Semester 2 carries 72 credits.

Third Year

Code	Course Title	Credits	Semester	Status
AB 300	Genetic Engineering for Crop and Livestock Improvement	12	1	Core
AB 301	Biotechnology for Climate Change Adaptation in Agriculture	12	1	Core

AB 302	Biotechnology and Precision Agriculture	12	1	Core
AB 303	Microbial Taxonomy	8	1	Core
AB 399	Practical Training in Plant-Related Biotechnology Centers	8	1	Core
AB 304	Biotechnology for Agriculture and Environmental Protection	8	1	Elective
AB 305	Biotechnological Product Development	12	1	Elective
AB 306	Biotechnology for Food and Nutritional Sciences	12	2	Core
AB 307	Biotechnology for Sustainable Agriculture	12	2	Core
AB 308	Applied Mycology	12	2	Core
AB 309	Agricultural Biotechnology Entrepreneurship	12	2	Core
AB 310	Research and Scientific Methodology for Agricultural Biotechnology	12	2	Core
AB 311	Principle of Food Preservation	12	2	Elective
ZL 343	Microevolution	12	2	Elective

Fourth Year

Code	Course Title	Credits	Semester	Status
AB 499	Industrial Attachment	60	1	Core
AB 400	Biosafety and Biosecurity in Agricultural Biotechnology	12	2	Core
AB 401	Research Project	30	2	Core
AB 402	Intellectual Property and Patents in Biotechnology	12	2	Core
MB 401	Biotechnology Project Management	8	2	Elective
AB 403	Advanced Microbial Biotechnology in Agriculture	12	2	Elective

Students select **one Year 4 Semester 2 elective**.

Bachelor of Science in Industrial Biotechnology

First Year

Code	Course Title	Credits	Semester	Status
IB 100	Introduction to Industrial Biotechnology	12	1	Core
IB 101	Microbiology for Industrial Biotechnology	12	1	Core
IB 102	Practicals in Microbiology for Industrial Biotechnology	8	1	Core
IB 103	Mathematics for Industrial Biotechnology	12	1	Core
IB 104	Chemical Foundations for Industrial Biotechnology	12	1	Core
DS 114	Development Perspectives I	12	1	Core
IB 105	Molecular Biology for Industrial Biotechnology	12	2	Core
IB 106	Applied Physics for Industrial Biotechnology	12	2	Core
IB 107	Bioprocessing Technology	12	2	Core
IB 108	Practical in Bioprocessing Technology	8	2	Core
IB 109	Introduction to Industrial Biochemistry	12	2	Core
DS 115	Development Perspectives II	12	2	Core

Second Year

Code	Course Title	Credits	Semester	Status
IB 200	Bioanalysis	12	1	Core

IB 201	Enzyme Technology	12	1	Core
IB 202	Applied Biochemistry in Industrial Biotechnology	8	1	Core
IB 203	Natural Products Development for Industrial Biotechnology	12	1	Core
BI 200	Introduction to Bioinformatics	12	1	Core
IB 299	Practical Training I: Biotechnology Applications in Traditional Industries	8	1	Core
IB 204	Industrial Fermentation Technology	12	2	Core
IB 205	Practicals in Industrial Fermentation Technology	8	2	Core
IB 206	Environmental Biotechnology	12	2	Core
IB 207	Bioinformatics and Systems Biology	8	2	Core
IB 208	Biosafety and Biosecurity	8	2	Core
IB 209	Research Methods in Industrial Biotechnology	12	2	Core
IB 210	Green Biotechnology and Climate Solutions	8	2	Core

These correspond to 64 credits in Semester 1 and 68 in Semester 2.

Third Year

Code	Course Title	Credits	Semester	Status
IB 300	Bioseparation Principles	12	1	Core
IB 301	Practicals in Bioseparation	8	1	Core
IB 302	Pharmaceutical Bioprocessing	12	1	Core
IB 303	Mining Industrial Biotechnology	12	1	Core
IB 304	Quality Control in Industrial Biotechnology	8	1	Core
IB 399	Practical Training II: Biotechnology Applications in Modern Industries	8	1	Core
CH 377	Industrial Chemistry	12	1	Elective
IB 305	Bioprocessing in the Leather Industry	12	2	Core
IB 306	Brewing Technology	12	2	Core
IB 307	Food Production and Culinary Innovation	12	2	Core
IB 308	Organic Acid Production in Industrial Biotechnology	12	2	Core
IB 309	Bioprocessing in the Paper Industry	12	2	Core
IB 310	Biotechnology R & D Management and Commercialization	12	2	Elective

The curriculum requires one elective in each semester.

Fourth Year

Code	Course Title	Credits	Semester	Status
IB 499	Industrial Attachment	60	1	Core
IB 400	Research and Innovation Project for Industrial Biotechnology	30	2	Core
IB 401	Biotechnology for Sustainable Development	12	2	Core
IB 402	Machine Learning and AI Applications in Industrial Biotechnology	12	2	Core
IB 403	Bioethics and Regulations in Industrial Biotechnology	8	2	Core
IB 404	Applied Genetic Engineering: Lab Practicum	8	2	Elective

The industrial attachment occupies Semester 1 and carries 60 credits. Semester 2 contains 62 core credits plus the 8-credit elective.

Bachelor of Science in Medical Biotechnology

First Year

Code	Course Title	Credits	Semester	Status
MB 100	Introduction to Medical Biotechnology	12	1	Core
MB 101	Biosafety and Biosecurity in Medical Biotechnology	12	1	Core
MB 102	Fundamentals of Biotechnological Chemistry	12	1	Core
MB 103	Immunology and Immunotechniques	12	1	Core
MB 104	Human Anatomy and Physiology 1	12	1	Core
DS 114	Development Perspectives I	12	1	Core
MB 105	Human Anatomy and Physiology 2	12	2	Core
MB 106	Biochemistry for Medical Biotechnologists	12	2	Core
MB 107	Medical Microbiology and Parasitology	12	2	Core
MB 108	Clinical Chemistry, Hematology and Phlebotomy	12	2	Core
MB 109	Medical Ethics for Biotechnologist	12	2	Core
DS 115	Development Perspectives II	12	2	Core

72 credits in each semester.

Second Year

Code	Course Title	Credits	Semester	Status
MB 200	Cell Biology and Genetics	12	1	Core
MB 201	Methods in Molecular Biology	12	1	Core
MB 202	Introduction to Clinical Research: Epidemiology	12	1	Core
BI 200	Introduction to Bioinformatics	12	1	Core
MB 299	Cadaveric Anatomy and Clinical Laboratory Rotation	8	1	Core
MB 203	Neglected Tropical Diseases in Sub-Saharan Africa	12	1	Elective
MB 204	Forensic Sciences and Population Genetics	12	2	Core
MB 205	Introduction to Clinical Research: Biostatistics	12	2	Core
MB 206	Clinical Laboratory Management Systems	12	2	Core
MB 207	Pharmacology and Pharmacokinetics	12	2	Core
MB 208	Advanced Molecular Techniques and Spectrophotometry	12	2	Core
MB 209	Sexually Transmitted Infections	12	2	Elective

One elective is required in each semester.

Third Year

Code	Course Title	Credits	Semester	Status
MB 300	Biopharming, Traditional Medicine and Nutraceuticals	12	1	Core
MB 301	Drug Design and Development	12	1	Core
MB 302	Cancer Biology	8	1	Core
MB 303	Clinical Immunology	12	1	Core
MB 304	Machine Learning and Artificial Intelligence in Medical Biotechnology	8	1	Core
MB 399	Practical Training for Medical Biotechnologists	8	1	Core
MB 305	Vector-Borne Disease Control	12	1	Elective
MB 306	Medical Genetics and Counselling	12	2	Core
PH 352	Fundamentals of Medical Physics	8	2	Core
MB 307	Biopharmaceuticals and Personalized Medicine	12	2	Core
MB 308	Research Methodology and Scientific Communication	12	2	Core

Code	Course Title	Credits	Semester	Status
ZL 343	Microevolution	12	2	Core
MB 309	Public and One Health	12	2	Elective

The curriculum requires one elective in each semester.

Fourth Year

Code	Course Title	Credits	Semester	Status
MB 499	Industrial Attachment for Medical Biotechnologists	60	1	Core
MB 400	Capstone Biotechnology Project	30	2	Core
MB 401	Biotechnology Project Management	8	2	Core
MB 402	Business Acumen in Medical Biotechnology	12	2	Core
MB 403	Advanced Bioinformatics and Computational Biology	12	2	Core
MB 404	Intellectual Property and Ethics in Medical Biotechnology	8	2	Elective

60 credits to the Semester 1 attachment and 62 core credits plus an 8-credit elective to Semester 2.

Bachelor of Science in Applied Microbiology and Chemistry

First Year

Code	Course Title	Credits	Semester	Status
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 121	Chemistry Practicals I	8	1	Core
CH 172	Chemical Separation	12	1	Core
MC 100	Fundamentals of Microbiology	12	1	Core
ZL 123	Basic Molecular Biology	8	1	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
DS 114	Development Perspectives I	12	1	Core
CH 117	Organic Chemistry I	12	2	Core
CH 173	Introduction to Electronic Structure and Spectroscopy	12	2	Core
CH 175	Basic Inorganic Chemistry	12	2	Core
MC 130	Methods and Safety in Microbiology	8	2	Core
MC 131	Eukaryotic Microorganisms	12	2	Core
DS 115	Development Perspectives II	12	2	Core

72 credits in Semester 1 and 68 credits in Semester 2.

Second Year

Code	Course Title	Credits	Semester	Status
CH 201	Chemical Thermodynamics	12	1	Core
CH 243	Organic Chemistry II	12	1	Core
CH 248	Instrumental Methods in Analytical Chemistry	12	1	Core
CH 299	Practical Training I	8	1	Core
MC 231	Microbial Nutrition and Metabolism	12	1	Core
MC 230	Microbial Taxonomy	8	1	Elective
CH 227	Environmental Chemistry	12	2	Core
CH 241	Chemistry Practicals III	8	2	Core
MC 232	Food Microbiology and Processing	12	2	Core
MC 233	Environmental Microbiology	12	2	Core

Code	Course Title	Credits	Semester	Status
BL 234	Biostatistics I	12	2	Core
CH 290	Chemical Kinetics and Electrochemistry	12	2	Elective

One elective is specified in each semester.

Third Year

Code	Course Title	Credits	Semester	Status
CH 341	Chemistry Practicals VI	8	1	Core
CH 323	Organic Spectroscopy	8	1	Core
CH 371	Quality Control and Assurance	12	1	Core
CH 353	Biochemistry	8	1	Core
MC 330	Entrepreneurship Microbiology	8	1	Core
MC 399	Practical Training	8	1	Core
ZL 309	Bioethics	8	1	Core
CH 363	Chemical Waste Management	12	1	Elective
CH 314 / BL 390	Project Work / Research Project	12	2	Core
ZL 331	Immunology	12	2	Core
MC 235	Microbial Ecology	8	2	Core
MC 333	Applied Mycology	12	2	Core
CH 351	Forensic Chemistry	8	2	Core
CH 377	Industrial Chemistry	12	2	Core
CH 318	Medicinal Chemistry	8	2	Elective

DEPARTMENT OF PHYSICS

Bachelor of Science in Meteorology

First Year

Code	Course Title	Credit	Semester	Status
DS 114	Development Perspectives I	12	1	Core
PH 122	Classical Mechanics	8	1	Core
MR 101	Introduction to Meteorology	12	1	Core
MR 102	Meteorological Instrumentation and Observations	12	1	Core
MR 104	Computational Methods for Meteor ology I	12	1	Core
MT 127	Linear Algebra I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
MT 120	Analysis1: Functions of a Single Variable	12	2	Core
MT 136	Ordinary Differential Equations	12	2	Core
PH 129	Atmospheric Thermodynamics	12	2	Core
PH 133	Vibrations and Waves	8	2	Core
MR 202	Climatology	12	2	Core
Second Year				
MR 201	Synoptic Meteorology	12	1	Core
MR 205	Dynamic Meteorology I	8	1	Core
MR 206	Computational Methods for Meteorology II	8	1	Core
MT 200	Analysis 2: Functions of Several Variables	12	1	Core
MT 225	Partial Differential Equations	8	1	Core
MT 234	Probability and Statistics	12	1	Core
MR 204	Physical Meteorology	12	1	Core
MR 215	Practical Training I	12	2	Core
MR 207	Dynamic Meteorology II	8	2	Core
MR 208	Hydrometeorology	8	2	Core
MR 301	Weather Analysis and Forecasting	12	2	Core
MR 311	Aviation Meteorology	8	2	Core
MT 274	Numerical Analysis I	8	2	Core
MR 209	Climate Services and Climate Impact Modelling	8	2	Elective
MR 216	Atmospheric Chemistry	8	2	Elective
Third Year				
MR 302	Principles and Applications of Remote Sensing	8	1	Core
MR 303	Tropical Meteorology	8	1	Core
MR 300	Scientific Research Methodology in Meteorology	8	1	Core
MR 305	Boundary-Layer and Micrometeorology	8	1	Core
MR 306	Numerical Weather Prediction	12	1	Core

Code	Course Title	Credit	Semester	Status
MR 309	Mesoscale Meteorology	12	1	Core
MR 304	Maritime Meteorology	8	1	Elective
MR 316	Introduction to Geographic Information Systems	8	1	Elective
MR 307	Short- term Weather Prediction	12	2	Core
MR 315	Practical Training II	12	2	Core
MR 310	Climate Change	8	2	Core
MR 312	Agrometeorology	12	2	Core
MR 314	Project in Meteorology	12	2	Core
MR 313	Air Pollution Meteorology	8	2	Elective
MR 317	Climate Modeling System	8	2	Elective

Bachelor of Science in Physics with Medical Physics

Code	Course Title	Credit	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
PH 116	Experimental Methods of Physics I	8	1	Core
PH 122	Classical Mechanics	8	1	Core
PH 121	Electricity and Magnetism	8	1	Core
PH 124	Optics	8	1	Core
PH 161	Nuclear and Radiation Physics	8	1	Core
PH 162	Mathematical Methods for Physicists I	8	1	Core
MB 104	Human Anatomy and Physiology I	12	1	Core
PH 133	Vibrations and Waves	8	2	Core
PH 136	Analogue Electronics	8	2	Core
PH 163	Mathematical Methods for Physicists II	8	2	Core
PH 164	Introduction to Medical Physics	8	2	Core
PH 165	Advanced Experimental Methods of Physics I	8	2	Core
CS 178	Foundation of High Level Programming	12	2	Elective
MB 105	Human Anatomy and Physiology II	12	2	Elective
Second Year				
PH 210	Practical Training, I	8	1	Core
PH 224	Digital Electronics	8	1	Core
PH 270	Simulations in Physics	8	1	Core
PH 271	Physics of the Human Body	8	1	Core
PH 273	Radiation Dosimetry	8	1	Core
PH 274	Radiobiology	8	1	Core
PH 278	Nuclear Safety and Security	8	1	Core
PH 272	Particle Physics	12	1	Elective
PH 334	Energy in the Environment	8	1	Elective
PH 217	Quantum Physics	12	2	Core
PH 229	Computational Physics	8	2	Core
PH 220	Statistical Thermodynamics	8	2	Core
PH 260	Advanced Experimental Methods of Physics II	8	2	Core

Code	Course Title	Credit	Semester	Status
PH 275	Physics of Diagnostic and Intervention Imaging	8	2	Core
PH 351	Physics of the Atom	12	2	Core
PH 276	Physics of Radiation Protection	8	2	Elective
PH 277	Commissioning Medical Radiation Equipment	8	2	Elective
PH 359	Astrophysics	8	2	Elective
Third Year				
PH 310	Practical Training II	8	1	Core
PH 311	Fundamentals of Radiation Therapy Physics	8	1	Core
PH 313	Professional Ethics in Medical Physics	8	1	Core
PH 314	Experiments in Medical Physics	8	1	Core
PH 315	Physics of Nuclear Medicine	8	1	Core
PH 332	Solid State Physics	8	1	Core
PH 360	Radiation Treatment Planning	8	1	Core
PH 316	Industrial Radiography	8	1	Elective
PH 317	Physics of MRI and Biomedical Optics	8	1	Elective
PH 326	Physics in an Enterprise Culture	8	1	Elective
PH 318	Medical Electronics and Instrumentation	8	2	Core
PH 321	Accelerator Physics	8	2	Core
PH 322	Frontiers in Medical Physics	8	2	Core
PH 323	Physics with LabVIEW	8	2	Core
PH 327	Radiotherapy Equipment	8	2	Core
PH 346	Physics Project	8	2	Core
PH 347	Electromagnetism	8	2	Core
PH 325	Physics of Particle Therapy	8	2	Elective
PH 325	LASER Physics	8	2	Elective

DEPARTMENT OF ZOOLOGY AND WILDLIFE CONSERVATION

Bachelor of Science in Wildlife Science and Conservation

Common Courses

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
First Year				
BL 111	Introduction to Cell Biology and Genetics	12	1	Core
BT 129	Introduction to Plant Evolution	8	1	Core
ZL 121	Invertebrate Zoology	8	1	Core
ZL 123	Basic Molecular Biology	8	1	Core
BL 114	Introductory Ecology	8	2	Core
GM 100	Principles and Practices of Management	12	2	Core
ZL 122	Chordate Zoology	8	2	Core
GE 160	Fundamentals of Geographical Information System	12	1	Elective
MC 100	Fundamentals of Microbiology	12	1	Elective
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Elective
CL 107	Communication Skills for Science Students	12	2	Elective
GE 144	Surveying and Mapping Science	12	2	Elective
ZL 124	Developmental Biology	8	2	Elective
Second Year				
ZL 215	Mammalian Biology	8	1	Core
ZL 210	Vertebrate Anatomy and Physiology I	8	1	Core
ZL 236	Introductory Entomology and Parasitology	12	1	Core
AQ 201	Aquatic Biology	8	1	Core
BL 215	Ecology II	12	1	Core
BT 225	Taxonomy of Higher Plants	12	1	Core
AQ 218	Aquatic Biology Field Course	4	1	Core
WS 200	Practical Training	8	1	Core
WS 202	Biology of Birds	8	2	Core
ZL 220	Vertebrate Anatomy and Physiology II	12	2	Core
WS 204	Community-based Conservation and Extension	8	2	Core
ZL 214	Herpetology	8	2	Core
BL 234	Biostatistics I	12	2	Core
GE 251	Tourism and Leisure*	12	1	Elective
WS 203	Management of Wildlife in Captivity	8	2	Elective
ZL 207	Ichthyology	8	2	Elective
WS 205	Biogeography	8	2	Elective
SC 215	Scientific Methods	8	2	Elective
ZL 202	Macro-Evolution	12	2	Elective

Code	Course Title	Credits	Semester	Status
Third Year				
WS 215	Range and Fire Ecology	12	1	Core
WS 301	Conservation Biology	8	1	Core
GE 245	Remote Sensing	12	1	Core
ZL 307	Animal Behaviour I	8	1	Core
BT 329	Plant Ecology and Phytogeography	12	1	Core
BM 100	Principles of Management and Administration	12	1	Core
WS 300	Practical Training II	8	1	Core
BL 390	Research Project	12	2	Core
WS 321	Analysis and Utilization of Wildlife Populations	12	2	Core
WS 308	Animal Behaviour II	8	2	Core
WS 309	Reproduction, Growth and Nutrition in Wild Mammals	8	2	Core
WS 314	Economics and Legislation for Wildlife Conservation	12	2	Core
WS 306	Wildlife Diseases	8	1	Elective
EC 375	Resource and Environmental Economics	8	1	Elective
ZL 336	Entomology	12	1	Elective
BL 313	Biological Impact Assessment	8	1	Elective
ZL 314	Environmental Physiology	8	1	Elective
GE 352	Natural Resource Management	12	1	Elective
WS 310	Contemporary Topics in Wild Science and Conservation	8	2	Elective
ZL 338	Parasitology	12	2	Elective
BL 314	Biostatistics II**	8	2	Elective
WS 311	Tourism and Recreation Management**	8	2	Elective
GE 354	Environmental Assessment **	12	2	Elective
GE 251* and WS 311*, one should take either of the two GE 354** and BL 313**, one should take either of the two				

Bachelor of Science in Zoology

Common Courses

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
BL 111	Introductory Cell Biology and Genetics	12	1	Core
ZL 121	Invertebrate Zoology	8	1	Core
MC 100	Fundamentals of Microbiology	12	1	Core
ZL 123	Basic Molecular Biology	8	1	Core
AB 102	Fundamentals of Biochemistry	12	2	Core
AP 103	Beekeeping Management	8	2	Core
BL 114	Introductory Ecology	8	2	Core
ZL 122	Chordate Zoology	8	2	Core
ZL 124	Developmental Biology	8	2	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Elective

Code	Course Title	Credits	Semester	Status
AP 101	Introduction to Beekeeping Science	12	1	Elective
MT 111	Mathematics for Biological and Chemical Sciences	12	1	Elective
CL 107	Communication Skills for Science	12	2	Elective
Second Year				
AQ 235	Aquatic Biology	8	1	Core
ZL 203	Parasitology	12	1	Core
ZL 204	Entomology	12	1	Core
ZL 213	Vertebrate Anatomy and Physiology I	12	1	Core
ZL 229	Insect Physiology and Pathology**	8	1	Core
BL 234	Biostatistics I	12	2	Core
WS 223	Conservation Biology	12	2	Core
ZL 299	Practical Training I	8	2	Core
ZL 220	Vertebrate Anatomy and Physiology II	12	2	Core
ZL 240	Biology of Non-Insect Vectors	8	2	Core
AP 201	Production Technologies in Beekeeping	8	1	Elective
AP 206	Entrepreneurship and Value Addition in Beekeeping	12	1	Elective
ZL 205	Macro-Evolution	8	1	Elective
ZL 215	Mammalian Biology	8	1	Elective
ZL 214	Herpetology	8	2	Elective
ZL 207	Ichthyology	8	2	Elective
*Core for Environmental Zoology Stream only ** Core for Entomology & Parasitology Stream only				

Third Year

Code	Course Title	Credit	Semester	Status	
BL 331	Cell Biology and Molecular Genetics	12	1	Core	
ZL 399	Practical Training II	8	1	Core	
ZL 308	Animal Behaviour	8	1	Core	
ZL 309	Bioethics	8	1	Core	
ZL 340	Economic Zoology	12	1	Core	
ZL 342	Epidemiology	12	1	Core	
BL 314	Biostatistics II	8	2	Core	
BL 390	Research Project	12	2	Core	
ZL 331	Immunology	12	2	Core	
ZL 334	Insect Systematics	8	2	Core	
ZL 343	Micro-Evolution	12	2	Core	
BL 315	Ecological Impact Assessment	8	1	Elective	
ZL 314	Environmental Pollution	12	1	Elective	
WS 202	Biology of Birds	8	2	Elective	
WS 324	Management of Wildlife in Captivity	8	2	Elective	
* Recommended for Environmental Zoology Stream ** Recommended for Entomology and Parasitology Stream					

Bachelor of Science in Applied Zoology
Common Courses

Code	Course Title	Credit	Semester	Status
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
First Year				
BL 111	Introductory Cell Biology and Genetics	12	1	Core
ZL 121	Invertebrate Zoology	8	1	Core
MC 100	Fundamentals of Microbiology	12	1	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
BL 113	Ecology I	8	2	Core
BN 131	Biochemistry I	12	2	Core
CH 113	Chemistry for Life Sciences Students	12	2	Core
ZL 122	Chordate Zoology	8	2	Core
ZL 124	Developmental Biology	8	2	Core
ZL 200	Practical Training I	8	2	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Elective
PH 103	Radiation Biology	12	1	Elective
CH 111	Basic Analytical Chemistry	8	1	Elective
CL 107	Communication Skills for Science	12	2	Elective
WS 101	Ecology and Utilization of Natural Resources	8	2	Elective
Second Year				
AQ 201	Aquatic Biology	8	1	Core
BL 215	Ecology II	12	1	Core
ZL 210	Vertebrate Anatomy and Physiology I	8	1	Core
ZL 215	Mammalian Biology	8	1	Core
ZL 236	Introductory Entomology and Parasitology	12	1	Core
BN 238	Biochemistry II*	12	1	Core
AQ 218	Aquatic Biology Field Course	4	1	Core
BL 234	Biostatistics I	12	1	Core
BL 210	Immunology for Life Sciences	12	2	Core
ZL 202	Macro-Evolution	12	2	Core
ZL 220	Vertebrate Anatomy and Physiology II	12	2	Core
ZL 229	Insect Physiology and Pathology**	8	2	Core
ZL 300	Practical Training II	8	2	Core
BN 240	Practicals in Biochemistry *	8	2	Core
CH 262	Analytical and Environmental Chemistry	12	1	Elective
ZL 206	Molluscan Biology	8	1	Elective
MC 234	Medical Bacteriology	12	1	Elective
ZL 207	Ichthyology	8	2	Elective
PH 203	Radiation Biology	12	2	Elective
MC 236	Medical Mycology	12	2	Elective
SC 215	Scientific Methods	8	2	Elective
ZL 230	Introduction to Arachnology**	8	2	Elective
WS 202	Biology of Birds	8	2	Elective
*Core for Environmental Zoology Stream only ** Core for Entomology and Parasitology Stream only				

Third Year

Environmental Zoology Stream

Code	Course Title	Credit	Semester	Status
BL 303	Terrestrial Biology Field Course	4	2	Elective
ZL 307	Animal Behaviour I	8	1	Core
BL 331	Cell Biology and Molecular Genetics	12	1	Core
BL 313	Biological Impact Assessment	8	1	Core
ZL 314	Environmental Physiology	8	1	Core
BN 330	Environmental Biotechnology	12	1	Core
BL 390	Research Project	12	2	Core
ZL 318	Endocrinology and Reproductive Physiology	8	2	Core
ZL 339	Ecotoxicology	12	2	Core
ZL 302	Evolution	8	2	Core
ZL 300	Practical Training in Applied Zoology	8	2	Core
ZL 337	Molecular Physiology	12	1	Elective
ZL 319	Physiology of Sensory Organs	12	1	Elective
AF 314	Parasitology and Diseases in Fisheries**	8	1	Elective
WS 306	Wildlife Diseases**	2	1	Elective
ZL 324	Principles of Biosystematics	12	1	Elective
BM 100	Principles of Management and Administration	12	1	Elective
BN 234	Molecular Vilorogy	12	2	Elective
ZL 334	Insect Systematics	12	2	Elective
BL 314	Biostatistics II	8	2	Elective
BL 312	Advanced Genetics	8	2	Elective
MC 235	Microbial Ecology	12	2	Elective
ZL 315	Physiology of Nutrition*	8	2	Elective
ZL 317	Experimental Physiology*	8	2	Elective
ZL 325	Techniques of Cell and Molecular Biology	8	2	Elective
ZL 340	Economic Zoology	12	2	Elective
* Recommended for Environmental Zoology Stream ** Recommended for Entomology and Parasitology Stream				
Entomology and Parasitology Stream				
BL 311	Cell Biology and Molecular Genetics	12	1	Core
ZL 336	Entomology	12	1	Core
ZL 332	Molecular Biology of Parasites	12	1	Core
ZL 331	Immunology of Parasitism	8	1	Core
ZL 333	Insect Ecology	12	2	Core
ZL 338	Parasitology	12	2	Core
BL 390	Research Project	12	2	Core
ZL 302	Evolution	8	2	Core
ZL 300	Practical Training in Applied Zoology	8	2	Core
BL 303	Terrestrial Biology Field Course	4	2	Elective
MC 331	Microbial Biotechnology	12	1	Elective
ZL 337	Molecular Physiology	12	1	Elective
ZL 319	Physiology of Sensory Organs	12	1	Elective
AF 314	Parasitology and Diseases in Fisheries	8	1	Elective
WS 306	Wildlife Diseases**	8	1	Elective

Code	Course Title	Credit	Semester	Status
ZL 324	Principles of Biosystematics	12	1	Elective
BM 100	Principles of Management and Administration	12	1	Elective
BN 234	Molecular Vilorogy	12	2	Elective
ZL 334	Insect Systematics	12	2	Elective
BL 314	Biostatistics II	8	2	Elective
BL 312	Advanced Genetics	8	2	Elective
MK 301	Small Business Entrepreneurship	12	1	Elective
ZL 315	Physiology of Nutrition*	8	2	Elective
ZL 317	Experimental Physiology*	8	2	Elective
ZL 325	Techniques of Cell and Molecular Biology	8	2	Elective
ZL 340	Economic Zoology	12	2	Elective

* Recommended for Environmental Zoology Stream
** Recommended for Entomology and Parasitology Stream

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*M. S. Nassor, BSc, MSc (Dar)
L.N. Safari, BSc, MSc (Dar)
*E. J. Kalori, BSc (Bagamoyo), MSc (Dar)

Tutorial Assistants
L. Lunojo, BSc (Iringa)
G. I. Cosmas, BSc (Dodoma)
T. C. Gumbo, BSc (Dar)

Head of Technical Staff and Laboratory Scientist I

H. N. Rajabu, BSc (Dodoma)

Laboratory Scientists II
S. J. Musa, BSc (Dar) (Dar)
O. H. Juma, BSc (Dar)

Laboratory Technician II
A. R. Mbangwa, Dip in Lab Tech (Dar)
J. J. Chisunga, Dip in Mechatronics Engineering (Mbeya)

Department of Zoology and Wildlife Conservation
Senior Lecturer and Head
F. S. Nyaki, BSc, MSc (Dar), PhD (Kiel)

Associate Professors
F. J. Magige, BSc, MSc (Dar), PhD (Trondeim)
C. W. Nyamkinda, BSc, MSc, PhD (Dar)

Senior Lecturers
B. A. Nyundo, BSc, MSc, PhD (Dar)
**W. B. Kidima, BSc, MSc (Dar), PhD (Honolulu)
F. D. Chibwana, BSc, MSc, PhD (Dar)
J. R. John, BSc (SUA), MSc (Dar) PhD (Seoul)
F. S. Nyaki, BSc, MSc (Dar), PhD (Kiel)
A. B. Philbert, BSc, MSc, PhD (Dar)
J. V. Katandukila, BSc, MSc (Dar), PhD (Pretoria)

Lecturers
W. N. Mrosso, BSc, MSc, PhD (Dar)
G. D. Mukandala, BSc (Massachusetts), MSc (Califonia), MSc (London), PhD (Dublin)
**E. N. Kalumanga, BSc, M.Sc. (Dar), PhD (Stockholm)
M. T. Shilereyo, BSc, MSc (Dar), PhD (Trondeim)
M. J. Kibaja, BSc, MSc (Dar), PhD (Olso)
S. E. Temu, BSc, MSc), PhD (Dar)
Y., J. Chuhila, BSc (Dar), MSc (Nairobi), PhD (Dar)
S. Ibrahim, BSc, MSc (Dar), PhD (SUA)
L. Musese, BSc, MSc (Dar), PhD (Morogoro)
J. L. Kachungwa, BSc, MSc (Dar), PhD (Bebrecen)

Assistant Lecturers
*A. B. Ahungu, BSc (Dar), MSc (Arusha
*J. V. Lyakurwa, BSc, (Dar), MSc (Arusha)
*H. M. Mfaume, BSc, MSc (Dar)
*S. F. Ndunguru, BSc, MSc (Dar)
*A. Baltazary, BSc (Morogoro), MSc (Arusha)
*M. Michael, BSc (Kilimanjaro), MSc (Arusha).
*A. Mujuni, BSc, MSc (Dar)
A. Ulime, BSc, MSc (Dar)
B. A. Tengia, BSc (SUA), MSc (Tasmania)
D. M. Zakayo, BSc (Dodoma), MSc (Dar)
J. Katabaro, BSc (Dar), MSc (Dar)
R. J. Wambura, BSc (Dodoma), MSc (Dar)

Tutorial Assistants
R. R. Awami, BVM (Morogoro)
J. Maleva, BSc (Dodoma)
A. Ally, BSc (Dar)

Principal Laboratory Scientists II
M. D. Chiduo, BSc, MSc (Dar)
S. P. Nzumbi, BSc, MSc (Dar)
Senior Laboratory Scientist II
H. M. Haucha, BSc (Dar)

Senior Laboratory Technician I
S. M. Mweyo, FTC (Dar), BSc (OUT)

Laboratory Scientists I
S. G. Ackrey, BSc, Msc (Dar)
M. B. Lisesi, BSc (Dar)

Laboratory Scientist II
Y. A. Wilangali, BSc (Dar)
E. S. Makongoro, Diploma (Dar), BT (DIT)

Laboratory technician II
F. M. Kivava, Diploma (Dar)
A. R. Mwakalukwa, Diploma (Dar)
D. D. Lucas, Diploma (Dar)
N. D. Simon, Diploma (Dar)

Laboratory Assistant II
D. J. Muhammed, Cert (VETA)

Central Science Workshop
Sinior Lecturer and Manager
P. L. Mwakyusa, BSc, MSc (Dar), PhD (Karlsruhe)

Sinior Lecturer
P. L. Mwakyusa, BSc, MSc (Dar), PhD (Karlsruhe)

Laboratory Engineer II & Chief Technician
A. R. Adolf, Dip. Mech. Engineering (Dar)

Laboratory Technician II
A. R. Adolf, Dip. Mech. Engineering (Dar)

Laboratory Technician III
A. S. Jidawi (Dar)
K. A. Jacob (Dar)

***On Leave of Absence (Secondment)
**On Leave of Absence
*On Study Leave

COLLEGE OF SOCIAL SCIENCES (CoSS)

INTRODUCTION

The College of Social Sciences (CoSS) delivers a diverse range of undergraduate and postgraduate programmes through its four departments and one dedicated unit. Our structure comprises the Departments of Geography, Political Science and Public Administration, Sociology and Anthropology, and Statistics. CoSS also oversees the academic functions of the Information Studies Unit under the University Library. In addition, the Population Studies and Research Centre provides specialised postgraduate training and welcomes students from a wide variety of academic backgrounds.

ACADEMIC STRUCTURE

CoSS operates on a semester system, dividing the academic year into two semesters. Each discipline offers a comprehensive selection of courses, which include compulsory core courses for specific degree programmes and a range of elective courses to complement and enhance a student's academic journey. Every course is assigned a credit weighting based on its scheduled instructional hours.

DEGREE PROGRAMMES

The College of Social Sciences offers twelve distinct degree programmes as detailed in Table 1. Each programme is anchored within a host department responsible for its delivery. The exception is the BA with Education degree programme, which is coordinated by the office of the Coordinator Undergraduate Studies.

Table 1: Degree Programmes in the College of Social Sciences

S/N	Degree Programme	Host Department/Unit
1.	BA in Urban and Rural Development (BAURD)	Geography
2.	BSc in Geographical Information Systems and Remote Sensing (BScGISR)	Geography
3.	BSc in Environmental Assessment and Natural Resources Management (BScEANRM)	Geography
4.	BA in Political Sciences and Public Administration (PSPA)	Political Science and Public Administration
5.	BA. in Politics and International Relations (BAPIR)	Political Science and Public Administration
6.	BA in Sociology (BASO)	Sociology and Anthropology
7.	BA in Anthropology (BAA)	Sociology and Anthropology
8.	BA in Psychology (BAP)	Sociology and Anthropology
9.	Bachelor of Social Work (BASW)	Sociology and Anthropology
10.	BSc in Statistics (BScST)	Statistics
11.	BA in Library and Information Studies (BLIS)	Information Studies
12.	BA with Education (BAED CoSS-Unit)	Office of the Coordinator of Undergraduate Studies - CoSS

Courses within each None-BAED degree programme are categorised as core, elective or university-wide as outlined in Tables 2. All programmes adhere to a standard credit range, with a minimum of 60 credits and a maximum of 72 credits required for successful completion of each semester.

Table 2: University-wide Courses

Code	Title	Credits	Status	Offering Unit
PL 111	Introduction to Critical Thinking and Argumentation	12	Core for all students	CoHU
CL 106	Communication Skills for Arts and Social Sciences	12	Core for all students	CoHU
DS 114	Development Perspectives I	12	Core for all students	IDS
DS 115	Development Perspectives II	12	Core for all students	IDS

GENERAL REGULATIONS

1.1 A student admitted to the College of Social Sciences shall be enrolled in one of the degree programmes listed in Table 1. Degree programmes in the College of Social Sciences shall be of a three-year duration.

1.2 In order to graduate from the College, a student must take and pass a minimum of 360 credits and a maximum of 432 credits.

1.3 Each student must take a minimum of 60 credits and a maximum of 72 credits per semester.

1.4 All first-year students shall register at the beginning of the first semester. Continuing students shall register at the end of the academic year for courses to be taken in the following year. Registration of courses shall be done through the Academic Registration Information System (ARIS).

1.5 The maximum allowable registration period at the College of Social Sciences is five years. Students must clear all courses within 5 years for 3-year programmes. Any student who has failed to clear any course at the maximum period shall be deemed to have failed the programme and will not be awarded a degree.

COLLEGE EXAMINATION REGULATIONS

2.1 All courses offered during a semester shall be examined at the end of that semester except where the Principal of the College gives permission otherwise.

2.2 Course grades will be based on the end of course examination that is coursework assessment (CA) and University Examination (UE). The University Examination shall constitute 60% of the total course assessment whereas course assessment shall constitute 40%, normally split as follows 20% from tests and other assignments, 10% from seminar presentations and another 10% from seminar attendance and participation. However, for computational and applied courses the University Examination shall constitute 40% of the total course assessment whereas course assessment shall constitute 60%.

2.3 A student who obtains less than 16 marks in his/her coursework grade will be deemed to have failed the coursework, and will be barred from taking the examination in that course. Such a student who is so barred from taking the examination will be required to carry over the course, other regulations permitting.

2.4 Assessment of the student's progress shall be based on the following grading system:

A: 70 – 100%
B+: 60 – 69%
B: 50 – 59%
C: 40 – 49%
D: 35 – 39%
E: 0 – 34%

2.5 The pass mark in each of the course taken shall be "C". The mark for "absolute fail" shall be "E".

2.6 A student failing a course in any year shall be required to supplement provided the overall GPA is not less than 1.8.

2.7 Supplementary examination shall be marked out of 60% for normal courses and 40% for applied and computational courses and the coursework marks (out of 60% or 40%) shall be added to the supplementary marks to give the student a "C", "D" or "F" grade. That means a course that has been supplemented shall be awarded a maximum of "C" grade.

2.8 Provided the overall GPA after supplementary examination is 2.0 or above, a student who fails supplementary examinations will be allowed to carry over flexibly into the subsequent academic years such number of failed courses as a requisite for the fulfilment of the requirement of passing a total minimum number of course credits for the programme in compliance with General Regulation 1.2.

(i) The carried-over course or courses must be taken in full, including all the coursework and it shall be assessed like a supplementary course with a grade of "C", "D", or "E". The maximum grade for a carried-over course shall be the minimum passing grade i.e. 'C'.

(ii) The carried-over course or courses must be cleared within the maximum allowable registration period of five years.

2.9 Special examinations given at the time of supplementary examinations will be treated as first sitting and graded as such.

2.10 A student who for satisfactory reasons has not completed an important portion of his/her coursework shall be awarded an "I" ("Incomplete") grade.

(i) A student who has been awarded an "I" grade is required to clear the grade during the time of supplementary examinations for that academic year. Except with the approval of the College Board, any "I" grade not cleared at the time of the supplementary examinations will automatically become "E".

(ii) A student who has obtained an "E" grade due to Incomplete grade will be required to carry over the relevant course and shall be treated like any other carried-over course as per regulation 2.8 (i and ii).

2.11 A student shall be discontinued from studies at the University on academic grounds if either he/she attains an overall GPA of less than 1.8 outright (during first sitting), or he/she obtains a GPA of less than 2.0 after sitting for supplementary examinations.

2.12 Degree classification:

(i) Courses shall be weighted by multiplying the final grade of a given course by the number of its course credits.

(ii) Course grades multiplied by the appropriate credits weighting will be accumulated over the whole period of study and will form the basis for the assessment of the degree.

(iii) The degree classification shall be based on the 360 credits from the courses permitted under the degree programme.

(iv) The final Bachelor of Arts Degree shall be graded as first class, upper second class, lower second class and pass as follows:

First Class	4.4 – 5.0
Upper Second	3.5 – 4.3
Lower Second	2.7 – 3.4
Pass	2.0 – 2.6

In each case, the average point shall be calculated on the basis of truncation after the first decimal point (e.g. 4.39 shall be taken as 4.3).

Practical Training Courses (PT) at the College of Social Sciences

Table 3 indicates Practical Training courses for various degree programmes. Some of the practical courses are carried out during the end of the first semester while others are carried out during the long-vocation.

Table 3: Practical Training Courses

SN		Code	Year	Duration	Degree Programme
1.		GE 199	1st	8 weeks	BSc in Environmental Assessment and Natural Resource Management
2.		GE 386	3rd	3 weeks	BSc in Environmental Assessment and Natural Resource Management
3.		ST 338	3rd	3 weeks	BSc in Statistics
4.		PTC 299	2nd	8 weeks	BA. Urban and Rural Development BSc. Geographical Information Systems and Remote Sensing BSc. Environmental Assessment and Natural Resources Management BA. Political Sciences and Public Administration BA. Politics and International Relations BA. Sociology BA. Anthropology BA. Psychology Bachelor of Social Work BSc. Statistics Bachelor of Library and Information Studies
5.		PY 110	1st	8 weeks	BA. Psychology
6.		PY 210	2nd	8 weeks	BA. Psychology
7.		WK 207	2nd	15 weeks	Bachelor of Social Work
8.		WK 302	3rd	15 weeks	Bachelor of Social Work

Objectives of Practical Training

The main objective of the training is to enable students to acquire work experience related to their studies in different working places in the country.

The specific objectives of the practical programme are as follows:

a. To enable students, apply or learn the practical applications of the theory they learn at the University in solving real- life problems.
b. To minimize over-emphasis on theory and thus give some weight to practical work experience.
c. To give students ample opportunity to acquire appropriate work experience to complement academic training so that they will be able to serve their communities better after graduation.
d. To allow institutions and users of our end products assess the quality and relevance of our graduates and guide the College on how best to improve our pedagogy.
e. To establish and maintain close contacts between employers and the College and between the College and the Ministry responsible for offering particular knowledge and experience.

Examination of Practical Training Reports

a) Upon completion of PT, the students shall write a report based on the activities performed during PT using a format of academic writing communicated by the supervisors/assessors.
b) Students shall be required to submit PT reports, evaluation forms, and logbooks to the PT Coordinator in the sixth week of the subsequent academic year.
c) The PT grades shall be subjected to various assessment procedures as set by the UDSM.

Practical Training Grades and Results

a) Practical training shall be assessed and awarded a grade under the remarks below:

70 – 100	A	Excellent
60 - 69	B+	Very Good
50 - 59	B	Good
40 - 49	C	Pass/Satisfactory
35 - 39	D	Marginal Fail
0 - 34	E	Absolutely Fail

b) Final marks for PT shall be obtained by the sum of the grades awarded. PT grade shall be based on four (4) items/tools which include:
   i. Practical training student's log sheet (Appendix I: Form–PT A1 (20%);
   ii. University supervisor practical training assessment form (Appendix II: Form–PT A2) (30%);
   iii. Institutional supervisor practical training assessment form (Appendix III: Form–PT A3) (30%); and
   iv. Student's written report (20%).

c) Decimals derived during the computation shall be truncated to one decimal point. The final mark shall be converted into the University of Dar es Salaam grading system for inclusion in the final standing of the candidate's performance.

d) The overall assessment for PT shall contribute to the GPA, with the PT carrying a weight of 12 credits.

e) Students who fail PT, e.g. score below C as indicated in (a) above, shall repeat the PT within the valid studentship period.

f) Students' PT results shall be received, discussed and recommended for approval in the College Examiners' meetings and the College Board's meetings.

WK 207 and WK 302 provide progressive experiential learning and professional field training. WK 207 introduces students to professional social work practice through a 15-week field attachment comprising 65 practical hours, with emphasis on basic case assessment, documentation, interviewing, organisational procedures, and professional ethics. WK 302 provides advanced field training through a 15-week attachment comprising 60 practical hours, focusing on case management, community outreach, social protection, organisational practice, and the application of relevant legal and professional frameworks. Both WK 207 and WK 302 internship practicums will be undertaken concurrently with semester lectures.

DEPARTMENT OF GEOGRAPHY

Bachelor of Arts in Urban and Rural Development (BAURD)

First Year
Semester I

Code	Course Title	Status	Credit
GE 146	Research Methods in Geography	Core	12
GE 150	Introduction to Urban Development	Core	12
GE 151	Introduction to Rural Development	Core	12
GE 160	Fundamentals of Geographic Information System	Core	12
DS 114	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
Total Credits			**72**
Semester II			
GE 152	Fundamentals of Regional Development Planning	Core	12
GE 153	Transport Geography	Core	12
GE 165	Spatial Organisation of Human Environment	Core	12
GE 154	Rural Transformation and Industrialization	Core	12
DS 115	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
Total Credits			**72**
Second Year **Semester I**			
GE 263	Urban Systems and Development	Core	12
GE 264	Infrastructure Planning and Development	Core	12
GE 265	Mobility and Transport System	Core	12
GE 257	Climate Change, Mitigation and Adaptation	Core	12
GE 244	Quantitative Methods in Geography	Core	12
GE 255	Environmental Impact Assessment	Elective	12
GE 276	Geospatial Analyses	Elective	12
GE 267	Migration	Elective	12
Total Credits			**72**
Semester II			
GE 268	Urban planning and Development Policies	Core	12
GE 258	Applied Research Methods in Geography	Core	12
GE 269	Urban and Rural Economics	Core	12
GE 270	Participatory Development and Action Research	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
FN 250	Financial Literacy	Core	0
GE 262	Social Impact Assessment (SIA)	Elective	12
GE 271	Geography of Health and Wellbeing	Elective	12
GE 247	Population Studies	Elective	12
GE 272	Agriculture and Food Systems	Elective	12
Total Credits			**72**
Third Year **Semester I**			
GE 364	Sustainable Land Use Planning and Management	Core	12
GE 365	Project Planning, Coordination and Implementation	Core	12

Code	Course Title	Status	Credit
GE 347	Urban Transport, Planning and Management	Core	12
GE 366	Cooperatives and Rural Markets	Core	12
GE 367	Sustainable Waste Management	Core	12
GE 368	Displacement, Relocation and Resettlement	Elective	12
GE 377	Applied Geographical Information Systems	Elective	12
GE 344	Regional Development Planning	Elective	12
Total Credits			**72**
Semester II			
GE 369	Disaster Risk Management	Core	12
GE 370	Project Monitoring and Evaluation	Core	12
GE 371	Population, Environment and Development	Core	12
GE 372	Urban Governance and Sustainability	Core	12
GE 380	Participatory GIS and Gender Inclusion (Online)	Core	12
GE 373	Sustainable Tourism	Elective	12
GE 340	Water Resources Management	Elective	12
GE 399	Dissertation	Elective	12
Total Credits			**72**

Bachelor of Science in Geographical Information Systems and Remote Sensing (BScGISR)

First Year
Semester I

Code	Course Title	Status	Credit
GE 149	Physical Geography	Core	12
GE 160	Fundamentals of Geographical Information Systems	Core	12
GE 161	Principles of Remote Sensing	Core	12
GE 164	Environmental Education and Communication	Core	12
DS 114	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
Total Credits			**72**
Semester II			
GE 141	Climatology	Core	12
GE 144	Surveying and Mapping Science	Core	12
GE 162	Global Navigation Satellite System (GNNS)	Core	12
GE 163	Fundamentals of Cartography	Core	12
GE 165	Spatial Organization of Human Environment	Core	12
DS 115	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
Total Credits			**72**
Second Year **Semester I**			
GE 273	Computer Aided Cartography (CAC)	Core	12
GE 274	Remote Sensing Systems	Core	12
GE 275	Geospatial Artificial Intelligence (Online)	Core	12
GE 276	Geospatial Analyses	Core	12
GE 277	Spatial Statistics	Core	12
GE 253	Environmental Quality Standards	Elective	12
GE 254	Ecosystem Assessment and Management	Elective	12

Code	Course Title	Status	Credit
GE 255	Environmental Impact Assessment	Elective	12
GE 264	Infrastructure Planning and Development	Elective	12
Total Credits			**72**
Semester II			
GE 241	Biogeography	Core	12
GE 278	Digital Image Processing	Core	12
GE 279	Database Design and Development	Core	12
GE 280	Methods in Geographical Information Systems	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
FN 250	Financial Literacy	Core	0
GE 247	Population Studies	Elective	12
GE 271	Geography of Health and Wellbeing	Elective	12
GE 148	Meteorology	Elective	12
GE 268	Urban Planning Development Policies	Elective	12
Total Credits			**72**
Third Year **Semester I**			
GE 374	GIS Programming and Software Development	Core	12
GE 375	Web Mapping	Core	12
GE 376	Geospatial Research Methods	Core	12
GE 377	Applied Geographical Information Systems	Core	12
GE 378	Drone Remote Sensing	Core	12
GE 347	Urban Transport Planning and Management	Elective	12
GE 364	Sustainable Land Use Planning and Management	Elective	12
GE 365	Project Planning, Coordination and Implementation	Elective	12
GE 367	Sustainable Waste Management	Elective	12
Total Credits			**72**
Semester II			
GE 379	Remote Sensing of Environment (Online)	Core	12
GE 380	Participatory GIS and Gender Inclusion (Online)	Core	12
GE 381	Spatial Data Science	Core	12
GE 382	GIS for Project Monitoring and Evaluation	Core	12
GE 383	Innovation and Entrepreneurship in GIS	Core	12
GE 340	Water Resource Management	Elective	12
GE 362	Natural Resource Inventory and Monitoring	Elective	12
GE 363	Strategic Environmental Assessment	Elective	12
Total Credits			**72**

Bachelor of Science in Environmental Assessment and Natural Resources Management (BScEANRM)

First Year
Semester I

Code	Course Title	Status	Credit
GE 146	Research Methods in Geography	Core	12
GE 149	Physical Geography	Core	12
GE 160	Fundamentals of Geographical Information Systems	Core	12
GE 164	Environmental Education and Communication	Core	12

Code	Course Title	Status	Credit
DS 114	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
Total Credits			**72**
Semester II			
GE 141	Climatology	Core	12
GE 147	Soil Survey and Management	Core	12
GE 165	Spatial Organization of Human Environment	Core	12
GE 199	Practical Training in Geography	Core	12
DS 115	Development Perspectives II	Core	12
GE 148	Meteorology	Elective	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
EC 101	Entrepreneurship I	Elective	12
Total Credits			**72**
Second Year Semester I			
GE 244	Quantitative Methods in Geography	Core	12
GE 253	Environmental Quality Standards	Core	12
GE 254	Ecosystem Assessment and Management	Core	12
GE 255	Environmental Impact Assessment	Core	12
GE 274	Remote Sensing Systems	Core	12
GE 256	Environmental Journalism and Reporting	Elective	12
GE 257	Climate Change, Mitigation and Adaptation	Elective	12
GE 267	Migration	Elective	12
Total Credits			**72**
Semester II			
GE 241	Biogeography	Core	12
GE 259	Environmental Policy, Planning and Practice	Core	12
GE 260	Participatory Conservation	Core	12
GE 261	Hydrology	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
GE 272	Agriculture and Food Systems	Elective	12
GE 247	Population Studies	Elective	12
GE 262	Social Impact Assessment	Elective	12
FN 205	Financial Literacy	Elective	12
Total Credits			**72**
Third Year Semester I			
GE 386	Applied Research Methods in Geography	Core	12
GE 385	Integrated Natural Resources Management	Core	12
GE 356	Environmental and Ecosystem Valuation	Core	12
GE 357	Environmental Conservation and Management	Core	12
GE 367	Sustainable Waste Management	Core	12
GE 358	Environmental Accounting and Auditing	Elective	12
GE 378	Drone Remote Sensing	Elective	12
GE 365	Project Planning, Coordination and Implementation	Elective	12
GE 359	Political Ecology	Elective	12
GE 360	Natural Resources Governance	Elective	12
Total Credits			**72**

Code	Course Title	Status	Credit
Semester II			
GE 361	Environmental Ethics, Compliance and Enforcement	Core	12
GE 362	Natural Resources Inventory and Monitoring	Core	12
GE 351	Land Evaluation	Core	12
GE 340	Water Resources Management	Core	12
GE 363	Strategic Environmental Assessment	Core	12
GE 370	Project Monitoring and Evaluation	Elective	12
GE 371	Population, Environment and Development	Elective	12
GE 380	Participatory GIS and Gender Inclusion (online)	Elective	12
GE 369	Disaster Risk Management	Elective	12
Total Credits			**72**

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

Bachelor of Arts in Political Science and Public Administration (BA PSPA)

First Year
Semester I

Code	Course Title	Status	Credits
PS 115	Introduction to Political Science: Theories and Approaches	Core	12
PS 118	Classical Political Thought	Core	12
PS 120	Introduction to Political Science Research	Core	12
DS 114	Development Perspectives I	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
PL 100	Introduction to Philosophical Analysis	Elective	12
HI 103	Capitalism and Imperialism in World History	Elective	12
EC 116	Introductory Microeconomic Analysis I	Elective	12
EC 117	Introductory Macroeconomic Analysis I	Elective	12
Total Credits			**72**
Semester II			
PS 116	Introduction to Political Science: Processes and Practices	Core	12
PS 117	Politics and State in Tanzania	Core	12
PS 119	Contemporary Political Thought	Core	12
PS 121	Research Methods in Political Science	Core	12
DS 115	Development Perspectives II	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
Total Credits			**72**
Second Year **Semester I**			
PS 220	Organization Theory	Core	12
PS 231	African Political Thought	Core	12
PS 233	Introduction to Public Policy	Core	12
PS 237	Political Economy	Core	12
PS 235	African Politics	Elective	12
IR 200	International Relations: Theories and Approaches	Elective	12
Total Credits			**60**
Semester II			
PA 200	Public Administration and Bureaucracies	Core	12
PA 201	Public Administration in Tanzania	Core	12
PA 202	Local Government	Core	12
PA 204	Public Human Resource Management	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
PA 203	Public Finance Management	Elective	12
PA 205	Management of Service Delivery in Local Government	Elective	12
PS 224	Comparative Political Systems: Developing Economies	Elective	12

IR 201	Issues in International Relations	Elective	12
Total Credits			**72**
Third Year			
Semester I			
PS 332	Theory and Politics of Development	Core	12
PS 334	Human Rights: Theory and Practice	Core	12
PA 301	Administrative Law	Core	12
PA 304	Performance Management in Public Administration	Core	12
PA 300	Organisational Management and Development	Elective	12
PA 303	Employee and Labour Relations	Elective	12
IR 303	The Politics of North-South Relations	Elective	12
Total Credits			**60**
Semester II			
PS 335	Democracy: Theory and Practice	Core	12
PS 337	Civil Society and the State	Core	12
PS 351	Legislature and Legislative Process	Core	12
PA 302	Public Leadership and Professional Ethics	Core	12
FN 205	Financial Literacy	Core	0
PA 305	Fundamentals of Project Planning and Management	Elective	12
IR 302	Peacemaking and Conflict Resolution	Elective	12
PS 342	Gender and Politics in Africa	Elective	12
Total Credits			**60**

Bachelor of Arts in Politics and International Relations (BAPIR)

First Year
Semester I

Code	Course Title	Status	Credits
PS 115	Introduction to Political Science: Theories and Approaches	Core	12
PS 118	Classical Political Thought	Core	12
PS 120	Introduction to Political Science Research	Core	12
DS 114	Development Perspectives I	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
PL 100	Introduction to Philosophical Analysis	Elective	12
HI 103	Capitalism and Imperialism in World History	Elective	12
EC 116	Introductory Microeconomic Analysis I	Elective	12
EC 117	Introductory Macroeconomic Analysis I	Elective	12
Total Credits			**72**
Semester II			
PS 116	Introduction to Political Science: Processes and Practices	Core	12
PS 117	Politics and State in Tanzania	Core	12
PS 119	Contemporary Political Thought	Core	12
PS 121	Research Methods in Political Science	Core	12
DS 115	Development Perspectives II	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12

Code	Course Title	Status	Credits
Total Credits			**72**
Second Year Semester I			
PS 220	Organisation Theory	Core	12
PS 231	African Political Thought	Core	12
PS 233	Introduction to Public Policy	Core	12
PS 237	Political Economy	Core	12
IR 200	International Relations: Theories and Approaches	Core	12
PS 235	African Politics	Elective	12
Total Credits			**72**
Semester II			
IR 201	Issues in International Relations	Core	12
IR 202	Basic Concepts in International Law	Core	12
IR 203	International Organisation	Core	12
IR 204	Foreign Policy Analysis	Core	12
IR 205	International Political Economy	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
PS 224	Comparative Political Systems Developing Economies	Elective	12
Total Credits			**72**
Third Year Semester I			
PS 332	Theory and Politics of Development	Core	12
PS 334	Human Rights: Theory and Practice	Core	12
IR 300	Regional Integration	Core	12
IR 301	Issues in International Law	Core	12
IR 303	The Politics of North-South Relations	Core	12
IR 304	African International Relations and Foreign Policy	Elective	12
PA 303	Employee and Labour Relations	Elective	12
Total Credits			**72**
Semester II			
PS 335	Democracy: Theory and Practice	Core	12
PS 337	Civil Society and the State	Core	12
PS 342	Gender and Politics in Africa	Core	12
PS 351	Legislature and Legislative Process	Core	12
IR 302	Peacemaking and Conflict Resolution	Core	12
FN 250	Financial Literacy	Core	0
PA 302	Public Leadership and Professional Ethics	Elective	12
PA 305	Fundamentals of Project Planning and Management	Elective	12
Total Credits			**72**

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Bachelor of Arts in Sociology (BASO)

This unit offers a 3-year bachelor degree programme in Sociology: Bachelor of Arts in Sociology (BA Sociology). The programme aims at providing students with a solid background in the major areas of the Sociology discipline. Students in the programme will be required to take compulsory university wide courses in their first year. Students will then take core courses which are compulsory and Elective courses in Sociology or other related fields. The program requires that students take at least 60 credits and at most 72 credits per semester. The compulsory second year Practical Training (PTC 299) which is taken during the long vocation for 8 weeks is included in the minimum/maximum count of credits.

B.A. Sociology is delivered in four main specializations:
Specialization I: Health and Population Studies;
Specialization II: Social Policy and Administration;
Specialization III: Community Development; and
Specialization IV: Labour and Industrial Relations.

First Year
Semester I

Code	Course Title	Status	Credits
AS 102	Introduction to Social Science Research Methods	Core	12
SO 116	Introduction to Sociology	Core	12
SO 117	Introduction to Academic Writing in Sociology	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 114	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
Total credits			**72**
Semester II			
AS 103	Introduction to Quantitative Research Methods	Core	12
SO 115	Introduction to Culture and Society	Core	12
SO 119	Introduction to Sociological Theories (Classical and Contemporary)	Core	12
AT 118	Introduction to Cultural Anthropology	Core	12
PY 105	Introduction to Social Pychology	Core	12
DS 115	Development Perspectives II	Core	12
Total Credits			**72**
Second Year **Semester I**			
Specialization 1: Health and Population Studies			
SO 250	Classical Sociological Theories	Core	12
SO 253	Quantitative Research Methods	Core	12
SO 258	Family and Gender Relations: A Sociological Perspective	Core	12
SO 264	Introduction to Medical Sociology	Core	12
SO 265	Sociological Dimension of Population Studies	Elective	12
SO 276	Introduction to Urban Sociology	Elective	12

Code	Course Title	Status	Credits
FN 250	Financial Literacy	Core	0
Total Credits			**60**
Specialization 2: Social Policy and Administration			
SO 250	Classical Sociological Theories	Core	12
SO 253	Quantitative Research Methods	Core	12
SO 258	Family and Gender Relations: A Sociological Perspective	Core	12
FN 250	Financial Literacy	Core	0
WK 216	Introduction to Social Policy	Elective	12
DS 213	Planning, Public Policy and Development	Elective	12
DS 214	Poverty and Development	Elective	12
Total Credits			**60**
Specialization 3: Community Development			
SO 250	Classical Sociological Theories	Core	12
SO 253	Quantitative Research Methods	Core	12
SO 258	Family and Gender Relations: A Sociological Perspective	Core	12
FN 250	Financial Literacy	Core	0
SO 256	Rural Sociology	Elective	12
SO 279	Introduction to Community Development	Elective	12
SO 288	Introduction to Enviromental Sociology	Elective	12
DS 214	Poverty and Development	Elective	12
Total Credits			**60**
Specialization 4: Labour and Industrial Relations			
SO 250	Classical Sociological Theories	Core	12
SO 253	Quantitative Research Methods	Core	12
SO 258	Family and Gender Relations: A Sociological Perspective	Core	12
FN 250	Financial Literacy	Core	0
SO 254	Sociology of Organization	Elective	12
SO 267	Introduction to Industrial Relations and Labour Legislation	Elective	12
DS 214	Poverty and Development	Elective	12
DS 213	Planning, Public Policy and Development	Elective	12
Total Credits			**60**
Semester II			
Specialization 1: Health and Population Studies			
SO 251	Contemporary Sociological Theories	Core	12
SO 255	Philosophical Basis of Social Sciences Research Methodologies	Core	12
SO 284	Qualitative Research Methods	Core	12
SO 285	Introduction to Sociology of Human Sexuality	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
PY 204	Introduction to Social Psychology II	Elective	12
SO 277	Process of Urbanization in the Third World Countries	Elective	12

Code	Course Title	Status	Credits
AT 220	Urban Health	Elective	12
GE 252	Medical Geography	Elective	12
Total Credits			**60**
Specialization 2: Social Policy and Administration			
SO 251	Contemporary Sociological Theories	Core	12
SO 255	Philosophical Basis of Social Sciences Research Methodologies	Core	12
SO 284	Qualitative Research Methods	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
WK 213	Social Planning and Administration	Elective	12
SO 273	Social Policy Analysis	Elective	12
WK 201	Social Work with Groups and Organization	Elective	12
Total Credits			**60**
Specialization 3: Community Development			
SO 251	Contemporary Sociological Theories	Core	12
SO 255	Philosophical Basis of Social Sciences Research Methodologies	Core	12
SO 284	Qualitative Research Methods	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
SO 257	Sociology of Rural Development	Elective	12
SO 277	Process of Urbanization in the Third World Countries	Elective	12
SO 283	Introduction to Political Ecologty	Elective	12
SO 290	Environmental and Social Impact Assessment	Elective	12
Total Credits			**60**
Specialization 4: Labour and Industrial Relations			
SO 251	Contemporary Sociological Theories	Core	12
SO 255	Philosophical Basis of Social Sciences Research Methodologies	Core	12
SO 284	Qualitative Research Methods	Core	12
PTC 299	Practical Training for Social Sciences	Core	12
SO 270	Sociology of Work	Elective	12
SO 271	Labour Administration	Elective	12
SO 274	Trade Unionism	Elective	12
SO 290	Environmental and Social Impact Assessment	Elective	12
Total Credits			**60**
Third Year **Semester I**			
Specialization 1: Health and Population Studies			
SO 346	Social Problems of Urbanization	Core	12
SO 348	Applied Quantitative Research	Core	12
SO 370	Sociology of Development	Core	12
SO 381	Social Structure of Tanzania Society	Core	12

Code	Course Title	Status	Credits
SO 393	Society, Culture and Health	Core	12
SO 377	Gender, Society and Environment	Elective	12
SO 399	Dissertation++	Elective	12
Total Credits			**60**
Specialization 2: Social Policy and Administration			
SO 348	Applied Quantitative Research	Core	12
SO 370	Sociology of Development	Core	12
SO 375	Social Structure of Tanzanian Society	Core	12
SO 380	Social Work Methods	Elective	12
SO 391	Social Security and Policy Schemes	Elective	12
SO 397	Community Development Theory and Practice	Elective	12
SO 399	Dissertation++	Elective	12
Total Credits			**60**
Specialization 3: Community Development			
SO 348	Applied Quantitative Research	Core	12
SO 370	Sociology of Development	Core	12
SO 375	Social Structure of Tanzanian Society	Core	12
SO 396	Rural Cooperation in Tanzania	Core	12
SO 377	Gender, Society and Environment	Elective	12
SO 380	Social Work Methods	Elective	12
SO 391	Social Security and Policy Schemes	Elective	12
SO 397	Community Development Theory and Practice	Elective	12
SO 399	Dissertation++	Elective	24
Total Credits			**60**
Specialization 4: Labour and Industrial Relations			
SO 348	Applied Quantitative Research	Core	12
SO 370	Sociology of Development	Core	12
SO 374	Industrial Relations in Tanzania	Core	12
SO 375	Social Structure of Tanzanian Society	Core	12
SO 379	Theories of Industrial Democracy and Workers' Participation	Elective	12
SO 391	Social Security and Policy Schemes	Elective	12
SO 399	Dissertation++	Elective	24
Total Credits			**60**
Third Year **Semester II**			
Specialization 1: Health and Population Studies			
SO 350	Applied Qualitative Research	Core	12
SO 371	Contemporary Social Change and Culture	Core	12
SO 372	Foundation of Sociology of Knowledge	Core	12
SO 392	Population and Reproductive Health	Core	12
SO 312	Guidance and Counselling	Elective	12

Code	Course Title	Status	Credits
SO 384	Occupational Health and Safety	Elective	12
SO 385	Human Ecology	Elective	12
Total Credits			**60**
Specialization 2: Social Policy and Administration			
SO 350	Applied Qualitative Research	Core	12
SO 371	Contemporary Social Change and Culture	Core	12
SO 372	Foundation of Sociology of Knowledge	Core	12
SO 384	Occupational Health and Safety	Core	12
SO 312	Guidance and Counselling	Elective	12
SO 386	Sociological Dimensions of Climate Change	Elective	12
WK 307	Management of Social Welfare Organizations	Elective	12
Total Credits			**60**
Specialization 3: Community Development			
SO 350	Applied Qualitative Research	Core	12
SO 371	Contemporary Social Change and Culture	Core	12
SO 372	Foundation of Sociology of Knowledge	Core	12
SO 385	Human Ecology	Elective	12
SO 386	Sociological Dimensions of Climate Change	Elective	12
AT 323	The Anthropology of Poverty in East Africa	Elective	12
Total Credits			**60**
Specialization 4: Labour and Industrial Relations			
SO 350	Applied Qualitative Research	Core	12
SO 371	Contemporary Social Change and Culture	Core	12
SO 372	Foundation of Sociology of Knowledge	Core	12
SO 382	Collective Bargaining and Dispute Settlement	Core	12
SO 384	Occupational Health and Safety	Elective	12
WK 307	Management of Social Welfare Organizations	Elective	12
Total Credits			**60**
Electives - Students may choose an elective option to meet the required minimum of Semester credits ++A student who is invited to register for SO 399 (Dissertation) which has 24 credits will have 72 credits. Total minimum number of credits required for BA (Sociology) Programme is 384.			

ANTHROPOLOGY UNIT

Bachelor of Arts in Anthropology (BAA)

This unit offers a 3-year bachelor degree programme in Anthropology (Bachelor of Arts in Anthropology (BAA). The programme aims at providing students with a solid background in the major areas of the Anthropology discipline. Students in the programme will be required to take compulsory university-wide courses in their first year. Students will then take core courses which are compulsory and Elective courses in Anthropology or other related fields. The program requires that students take at least 60 credits and at most 72 credits per semester. The compulsory second year Practical Training (PTC 299) which is taken during the long vocation for 8 weeks is included in the minimum/maximum count of credits.

First Year
Semester I

Code	Course Title	Status	Credits
AS 102	Introduction to Social Science Research Methods	Core	12
AT 100	Introduction to Anthropology	Core	12
AT 101	Introduction to Anthropological Methods	Core	12
AT 104	The Anthropology of Magic, Witchcraft and Rituals	Elective	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 114	Development Perspectives I	Core	12
Total Credits			**72**
Semester II			
AS 103	Introduction to Quantitative Research Methods	Core	12
AT 110	Introduction to Anthropological Theories	Core	12
AT 102	Introduction to Kinship, Sex and Gender	Core	12
SO 115	Introduction to Culture and Society	Core	12
AT 118	Introduction to Cultural Anthropology	Core	12
AT 111	Human Anthropology and Human Evolution	Elective	12
AT 112	Nomadic and Pastoral Societies in East Africa	Elective	12
DS 115	Development Perspectives II	Core	12
Total Credits			**72**
Second Year **Semester I**			
Specialization 1: The Anthropology of Health			
AT 202	Introduction to Medical Anthropology	Core	12
AT 250	Contemporary Anthropological Theories	Core	12
AT 251	Ethnography as a Research Method	Core	12
AT 253	Introdution to Gender and Anthropology	Core	12
SO 253	Quantitative Research Methods	Core	12
SO 258	Family and Gender Relations: A Sociological Perspective	Core	12
FN 250	Financial Literacy	Core	0
Total Credits			**72**
Specialization 2: Environmental Anthropology			
AT 225	Cultural Ecology	Core	12
AT 226	Introduction to Environmental Anthropology	Core	12
AT 250	Contemporary Anthropologicasl Theories	Core	12
AT 251	Ethnography as a Research Method	Core	12
SO 253	Quantitative Research Methods	Core	12
AT 227	Land Tenure and Water Tenure in East Africa	Elective	12
AT 228	Mining and Conflict in East Africa	Elective	12
FN 250	Financial Literacy	Core	0
Total Credits			**72**

Code	Course Title	Status	Credits
Specialization 3: Political Anthropology			
AT 235	Introduction to Political Anthropology	Core	12
AT 236	Ethnicity, Identity and Politics	Core	12
AT 250	Contemporary Anthropological Theories	Core	12
AT 251	Ethnography as a Research Method	Core	12
SO 253	Quantitative Research Methods	Core	12
AT 237	Conflict and Religion in East Africa	Elective	12
AT 238	Pre-Industrial and Colonial Wars	Elective	12
AT 239	The Matrilineal Peoples of South Eastern Tanzania	Elective	12
AT 253	Introdution to Gender and Anthropology	Elective	12
FN 250	Financial Literacy	Core	0
Total Credits			**72**
Semester II			
Specialization 1: The Anthropology of Health			
AT 220	Urban Health	Core	12
AT 221	Introduction to Gerontology	Core	12
SO 284	Qualitative Research Methods	Core	12
PTC 299	Practical Training for Social Science	Core	12
AT 222	The Anthropology of Hunger and Malnutrition in East Africa	Elective	12
AT 223	Anthropology of Religion	Elective	12
AT 224	Sexuality and Reproductive Health	Elective	12
Total Credits			**72**
Specialization 2: Environmental Anthropology			
AT 229	People, the Environment and Development	Core 12	
AT 230	Environmental Resource Use and Management	Core	12
AT 231	Environment, Social Monitoring and Assessment	Core	12
SO 284	Qualitative Research Methods	Core	12
PTC 299	Practical Training for Social Science	Core 12	
AT 232	Horticultural and Peasant Communities in East Africa	Elective	12
Total Credits			**72**
Specialization 3: Political Anthropology			
AT 223	Anthropology of Religion	Core	12
AT 240	The New Social movements in Urban Areas	Core	12
AT 241	Culture and Politics in East Africa	Core	12

Code	Course Title	Status	Credits
SO 284	Qualitative Research Methods	Core	12
PTC 299	Practical Training for Social Science	Core	12
AT 233	Urbanization in East Africa	Elective	12
AT 243	Introduction to Linguistic Anthropology	Elective	12
Total Credits			**72**
Third Year **Semester I**			
Specialization 1: The Anthropology of Health			
AT 300	Ethnographic Research and Writing	Core	12
AT 301	Ageing, Health and Care	Core	12
SO 346	Social Problems of Urbanization	Core	12
SO 393	Society, Culture and Health	Core	12
SO 397	Community Development, Theory and Practices	Core	12
SO 398	Anthropology of Development	Core	12
AT 399	Dissertation++	Elective	24
Total Credits			**72**
Specialization 2: Environmental Anthropology			
AT 300	Ethnographic Research and Writing	Core	12
AT 302	Political Ecology	Core	12
AT 398	Anthropology of Development	Core	12
SO 346	Social Problems and Urbanization	Elective	12
SO 397	Community Development, Theories and Practices	Elective	12
AT 399	Dissertation++	Elective	24
Total Credits			**72**
Specialization 3: Political Anthropology			
AT 300	Ethnographic Research and Writing	Core	12
AT 304	Migration and the Diaspora	Core	12
AT 398	Anthropology of Development	Core	12
AT 303	Primate Evolution	Elective	12
SO 396	Rural Cooperation in Tanzania	Elective	12
SO 397	Community Development, Theory and Practices	Elective	12
AT 399	Dissertation++	Elective	24
Total Credits			**72**
Third Year **Semester II**			

Code	Course Title	Status	Credits
Specialization 1: The Anthropology of Health			
AT 320	Global Health from an Anthropological Perspectives	Core	12
AT 321	Emerging Social Problems	Core	12
AT 395	Anthropological Aspects of East African Population	Core	12
SO 384	Occupation, Health and Safety	Core	12
AT 323	The Anthropology of Poverty in East Africa	Elective	12
AT 324	Children and Youth in Contemporary Ethnography	Elective	12
Total Credits			**60**
Specialization 2: Environmental Anthropology			
AT 321	Emerging Social Problems	Core	12
SO 385	Human Ecology	Core	12
SO 395	Anthropological Aspects of East African Population	Core	12
AT 329	The Anthropology of Fishing Communities	Elective	12
AT 323	Anthropology of Poverty in East Africa	Elective	12
Total Credits			**60**
Specialization 3: Political Anthropology			
AT 321	Emerging Social Problems	Core	12
AT 323	Anthropology of Poverty in East Africa	Core	12
AT 395	Anthropological Aspects of East African Population	Core	12
AY 306	People and Cultures in East Africa	Core	12
AT 327	Hunters and Gatherers in East Africa	Elective	12
AT 329	The Anthropology of Fishing Communities	Elective	12
Total Credits			**60**

Electives - Students may choose an elective to meet the required minimum of Semester credits*
++A student who is invited to register for AT 399 (Dissertation) which has 24 credits will have 72 credits, Total minimum number of credits required for BA (Anthropology) Programme is 384.

SOCIAL WORK UNIT

Bachelor of Social Work (BASW)

This unit offers a 3-year bachelor degree programme in Social Work (Bachelor of Social Work). The programme aims at providing students with a solid background in the major areas of the Social Work discipline. Students in the programme will be required to take compulsory university wide courses in their first year. Students will then take core courses which are compulsory and Elective courses in social work or other related fields. The program requires that students take at least 60 credits and at most 72 credits per semester. The compulsory second year Practical Training (PTC 299) which is taken during the long vocation for 8 weeks is included in the minimum/maximum count of credits.

First Year
Semester I

Code	Course Title	Status	Credits
Semester I			
AS 102	Introduction to Social Science Research I	Core	12
WK 101	Introduction to Social Work	Core	12
WK 102	Field Practice Methods	Core	12
SO 116	Introduction to Sociology	Core	12
DS 114	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
Total Credits			**72**
Semester II			
AS 103	Social Science Research Methods II	Core	12
WK 111	Social Welfare Policies and Services	Core	12
WK 112	Generalist Social Work	Core	12
WK 113	Social Work with Individuals and Families	Core	12
WK 114	Psychology for Social Workers	Core	12
DS 115	Development Perspectives II	Core	12
Total Credits			**72**
Second Year **Semester I**			
WK 201	Social Work with Groups and Organizations	Core	12
WK 202	Social Work with Communities	Core	12
WK 203	Social Work and the Law	Core	12
WK 204	Integrated Field Practice Methods	Core	6
WK 206	Guidance and Counselling	Core	12
WK 207	Internship Practicum I	Core	6
WK 216	Social Policy	Core	12
Total Credits			**72**
Semester II			
WK 205	Social Work Research Methods	Core	12
WK 211	Ethics in Social Work Practice	Core	12
WK 212	Social Security and Protection Systems	Core	12
WK 213	Social Planning and Administration	Core	12
WK 214	Social Work with People with Special Needs	Core	12
WK 215	Social Policy Analysis	Core	12
PTC 299	Practical Training for Social Science	Core	12
FN 250	Financial Literacy	Core	-
Total Credits			**72**
Third Year **Semester I**			
WK 301	Social Work and Social Development	Core	12
WK 303	Social Work Practice in Emergency Situations	Core	12
WK 304	Child and Family Welfare	Core	12
WK 305	Human Behaviour and Social Environment	Core	12
WK 306	Individual and Social Pathology	Core	12

Code	Course Title	Status	Credits
AC 102	Fundamentals of Accounting for Non-Business Majors	Core	12
Total Credits			**72**
Semester II			
WK 302	Internship Practicum II	Core	6
WK 307	Management of Social Welfare Organizations	Core	12
WK 309	Social Work and Community Health	Core	12
WK 310	Legal Instruments for Social Work Practice	Core	12
WK 399	Social Work Research Project	Core	6
AC 102	Fundamentals of Accounting for Non-Business Majors	Core	12
UR 308	Project Monitoring and Evaluation	Core	12
WK 308	Social Entrepreneurship	Elective	12
WK 311	Design and Analysis of Social Protection Programs	Elective	12
Total Credits			**72**
++Each student is required to register for WK 399 (SW Research Project) which has 6 credits. Total number of credits required for Bachelor in Social Work Programme is 432.			

PSYCHOLOGY UNIT

This unit offers a 3-year bachelor degree programme in Psychology (Bachelor of Arts in Psychology (BAP). The programme aims at providing students with a solid background in the major areas of the psychology discipline. Students in the programme will be required to take compulsory university wide courses in their first year. Students will then take core courses, which are compulsory and Elective courses in psychology or other related fields. The program requires that students take at least 60 credits and at most 72 credits per semester. The compulsory second year Practical Training (PTC 299) which is taken during the long vocation for 8 weeks is included in the minimum/maximum count of credits.

Bachelor of Arts in Psychology (BAP)

First Year
Semester I

Code	Course Title	Status	Credits
AS 102	Introduction to Social Science Research Methods	Core	12
PY 102	Developmental Psychology I: Childhood	Core	12
PY 105	Introduction to Social Psychology I	Core	12
PY 108	Introduction to General Psychology I	Core	12
DS 114	Development Perspectives I	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
Total Credits			**72**
Semester II			
AS 103	Social Science Research Methods II	Core	12
PY 104	Introduction to Counselling and Psychotherapy	Core	12
PY 109	Introduction to General Psychology II	Core	12
PY 110	First Year Counselling Practicum	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
DS 115	Development Perspectives II	Core	12
Total Credits			**72**

Code	Course Title	Status	Credits
Second Year Semester I			
PY 200	Developmental Psychology II: Adolescence and adulthood	Core	12
PY 203	Introduction to Personality Psychology	Core	12
PY 212	Positive Psychology	Core	12
PY 208	Abnormal Psychology	Core	12
PY 211	Mental Health and Psychosocial Well-Being	Core	12
PY 215	Psychology of Exceptionality	Core	12
Total Credits			**72**
Semester II			
PY 201	Cognitive Psychology	Core	12
PY 204	Social Psychology II	Core	12
PY 206	Health Psychology	Core	12
PY 207	Work/ Organizational Psychology	Core	12
PY 210	Counselling Practicum	Core	12
PTC 299	Practical Training for Social Science	Core	12
PY 209	Career Guidance and Counselling	Elective	12
PY 213	Psychology of Sexuality	Elective	12
PY 214	Sport Psychology	Elective	12
FN 250	Financial Literacy	Core	0
Total Credits			**72**
Third Year Semester I			
PY 300	Research Methods in Psychology	Core	12
PY 301	Community Psychology	Core	12
PY 302	Psychological Testing and Assessment	Core	12
PY 303	Statistics and Data Analysis in Psychology	Core	12
PY 310	Psychology of Marriage and the Family	Elective	12
PY 311	Psychology of Consumer Behaviours	Elective	12
PY 315	School Psychology	Elective	12
Total Credits			**72**
Semester II			
PY 304	Principles of Writing in Psychology	Core	12
PY 305	Final Psychology Research Project	Core	24
PY 316	Contemporary Issues in Counselling and Psychotherapy	Core	12
PY 312	Gender Psychology	Elective	12
PY 313	Crisis and Trauma Counselling	Elective	12
PY 314	Environmental Psychology	Elective	12
Total Credits			**72**

Electives - Students will choose an elective to meet the required minimum of Semester credits. Total number of credits required for Bachelor of Arts in Psychology Programme is: Minimum 360 [Maximum 432]

DEPARTMENT OF STATISTICS

Bachelor of Science in Statistics

First Year
Semester I

Code	Course Title	Status	Credits
ST 113	Basic Statistics	Core	12
CL 106	Communication Skills for Arts and Social Science	Core	12
DS 114	Development Perspectives I	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
ST 121	Analytical Calculus	Elective	12
AC 100	Principles of Accounting I	Elective	12
EC 116	Introductory Microeconomic Analysis I	Elective	12
EC 117	Introductory Macroeconomic Analysis I	Elective	12
CS 173	Business Computer Communication	Elective	8
Total Credits			**60**
Semester II			
ST 114	Probability Theory	Core	12
ST 118	Time Series and Index Numbers	Core	12
ST 133	Introduction to Programming	Core	12
DS 115	Development Perspectives II	Core	12
ST 122	Linear Algebra with Applications	Elective	12
ST 119	Operation Research I	Elective	12
AC 101	Principles of Accounting II	Elective	12
EC 126	Introductory Microeconomic Analysis II	Elective	12
EC 127	Introductory Macroeconomics Analysis II	Elective	12
Total Credits			**60**
Second Year **Semester I**			
ST 225	Statistical Inference	Core	12
ST 226	Probability Distributions	Core	12
ST 235	Data Visualization and Communication	Core	12
ST 220	Basic Demographic Methods	Elective	12
ST 237	Statistical Methods in Econometrics 1	Elective	12
Total Credits			**60**
Semester II			
ST 223	Non-Parametric Inference	Core	12
ST 238	Data Management with Survey Solution	Core	12
FN 250	Financial Literacy	Core	0
PTC 299	Practical Training for Social Science	Core	12
ST 221	Population Dynamics	Elective	12
ST 222	Operations Research II	Elective	12
ST 234	Environmental Statistics	Elective	12

Code	Course Title	Status	Credits
ST 236	Introduction to Biostatistics	Elective	12
ST 239	Introduction to Database Management Systems	Elective	12
IS 286	Data Management with Python	Elective	12
Total Credits			**60**
Third Year Semester I			
ST 318	Sampling Theory and Methodology	Core	12
ST 330	Bayesian Inference	Core	12
ST 338	Applied Statistics	Core	12
ST 333	Computational Statistics	Elective	12
ST 336	Statistical Quality Management	Elective	12
ST 337	Statistical Methods in Econometrics II	Elective	12
Total Credits			**60**
Semester II			
ST 311	Multivariate Normal Distribution	Core	12
ST 319	Design and Analysis of Experiments	Core	12
ST 324	Linear Models	Core	12
ST 312	Stochastic Processes	Elective	12
ST 326	Survival Models	Elective	12
ST 335	Machine Learning	Elective	12
Total Credits			**60**
Total BSc (Statistics) programme minimum number of credits: 360.			

INFORMATION STUDIES UNIT

The unit offers a three-year Bachelor of Library and Information Studies (BLIS) degree programme designed to provide students with comprehensive knowledge and practical skills in library and information science. The programme covers major areas of library, information and records management. In the first year, students undertake compulsory university-wide courses, followed by core and elective courses in subsequent years. Students are required to take between 60 and 72 credits per semester. The programme also includes compulsory eight-week Practical Training (PTC 299) during the long vacation in the first and second years. This will be included in the minimum/and maximum count of credits.

Bachelor of Library and Information Studies (BLIS)

First Year

Semester I

Code	Course Title	Status	Credits
LS 100	Introduction n to Library and Information Studies	Core	12
LS 101	ICT and its Applications I	Core	12
LS 102	Information Literacy Skills	Core	12
LS 112	Collection Development and Management	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	8
DS 114	Development Perspectives I	Core	12
Total Credits			**64**
Semester II			
LS 104	Information Resources and Services	Core	12
LS 105	ICT and its Applications II	Core	12
LS 106	Principles of Organisation of Knowledge	Core	12
LS 107	Information and Society	Core	8
LS 108	Customer Care	Core	8
LS 109	Practical Training	Core	0
DS 113	Development Perspectives II	Core	12
Total Credits			**64**
Second Year **Semester I**			
LS 200	Information and Communication Theory	Core	12
LS 203	Qualitative Research Methods in Information Science	Core	12
LS 204	Records Management and Archives Administration I	Core	12
LS 210	Digital Libraries	Core	12
LS 220	Organization of Knowledge I: Cataloguing	Core	12
LS 211	Networking	Elective	8
LS 213	Digital Media and Society	Elective	8
DS 211	Entrepreneurship, SME and Development	Elective	8
CT 201	Educational Media and Society	Elective	12
FN 250	Financial Literacy	Elective	8
Total Credits			**68/72**
Semester II			
LS 206	Systems Analysis, Design and Evaluation	Core	12
LS 208	Quantitative Research Methods in Information Science	Core	12

Code	Course Title	Status	Credits
LS 209	Marketing of Library and Information Services	Core	12
LS 218	Archives Administration	Core	12
LS 224	Organization of Knowledge II: Classification	Core	12
PTC 299	Practical Training for Social Science	Core	12
LS 212	Information Services to Users with Special Needs	Elective	8
LS 214	Book Publishing	Elective	8
IS 258	PC Maintenance	Elective	8
JO 210	Editing, layout and graphics	Elective	12
Total Credits			**72**
Third Year **Semester I**			
LS 301	Database Management Systems	Core	12
LS 302	Management of Libraries and Information Centres	Core	12
LS 303	Organization of Knowledge III	Core	12
LS 304	Legal and Professional Ethics	Core	12
LS 309	Preservation and Conservation of Library Resources	Core	8
LS 316	Research Data Management	Elective	8
LS 399	Independent Study/Research Project	Elective	24
GE 353	Geographical Information System	Elective	8
AY 303	Introduction to Museum Studies	Elective	8
CO 305	New Media Technologies	Elective	8
Total Credits			**68/72**
Semester II			
LS 305	Information User Studies	Core	12
LS 306	Multimedia Librarianship	Core	12
LS 307	Knowledge Management	Core	12
LS 308	Management of Electronic Resources	Core	12
LS 310	Automation of Library and Information Systems	Core	12
LS 312	Public Librarianship	Elective	8
LS 314	Information, Knowledge and Entrepreneurship	Elective	8
LS 318	Website Designing for Libraries	Elective	8
LS 319	Digital Content Creation	Elective	8
MK 301	Entrepreneurship Development	Elective	8
MK 326	Marketing of Services	Elective	8
Total Credits			**68/72**

POPULATION STUDIES AND RESEARCH CENTRE (PSRC)

The Centre offers postgraduate studies only.

Bachelor of Arts in Education

1. Students taking BAED are required to take two Teaching Subjects (content) offered by the College of Social Sciences and Education courses offered by the School of Education. Possible BAED combinations are:
   (i) Economics and History;
   (ii) Geography and Kiswahili;
   (iii) Geography and Fasihi ya Kiswahili;
   (iv) Economics and Geography;
   (v) History and Fasihi ya Kiswahili;
   (vi) History and Geography;
   (vii) History and Kiswahili.

2. Compulsory University-wide courses for BAED students are indicated in Table 3.

Table 3: University-wide Courses

Code	Title	Credits	Status	Offering Unit
DS 114	Development Perspectives I	12	Core for all students	IDS
DS 115	Development Perspectives II	12	Core for all students	IDS
CL 106	Communication Skills for Arts and Social Sciences	12	Core for all students	CoHU

3. The regulation that the number of credits per semester should lie between 60 and 72 has to be adhered to. However, given the requirement to take university-wide core courses and given that the School of Education offers for 2nd Year Semester I two or three (24 or 36 credits) compulsory courses, students are compelled to taking 72 credits per semester.

4. Practical Teacher Training

The Bachelor of Arts with Education (BAEd) programme shall constitute Practical Teacher Training (PTT) activities. The PTT activities are designed to provide student teachers with a comprehensive, hands-on learning experience that equips them with the essential knowledge, skills, and attitudes needed to become effective teachers. The philosophy behind PTT views learning as an active and dynamic process, grounded in constructivist theories that emphasize knowledge construction through interaction with one's environment. This philosophy underscores the necessity of acquiring a strong foundation in both subject matter and pedagogy before applying their skills in real classroom settings.

The overall aim of the PTT programme is to help student teachers develop both the theoretical understanding and practical teaching skills required for success in real-world classrooms. The PTT will involve a combination of pre-teaching activities, immersive simulated teaching, and real-world classroom experiences in nearby schools, integrated into the teaching methods courses. The first two components will take place in a university setting under the guidance of university teacher educators, while the third component will involve practical teaching cycles in nearby secondary schools, co-supervised by experienced secondary school teachers and university subject teacher educators.

The first phase, the **pre-teaching activities**, will occur in Teaching Methods Course One during the 5th semester of the third year. This phase focuses on thorough preparation to equip student teachers with foundational knowledge and skills. Student teachers will engage in various activities such as attending

lectures and seminars on subject-related teaching methods, analysing syllabi, and exploring teaching and learning methods and materials specific to secondary school subjects. Student teachers will also be involved in observing virtual lessons relevant to their subjects. Assessment activities in this phase will include written essays, tests, examinations, presentations, lesson plan reviews, observation, portfolios, and peer reviews.

The second phase, **immersive simulated teaching**, will also be part of Teaching Methods Course One. Student teachers will be involved in developing and implementing lesson plans, peer assessment and feedback as well as reflection of the lessons implemented. This phase provides student teachers with hands-on experience in simulated classroom scenarios, helping them refine their pedagogical techniques, improve classroom management, and build confidence. This will prepare student teachers effectively for real-world teaching challenges. Assessment for this phase will include written quizzes, performance tasks, projects, observations, presentations, lesson plan reviews, simulated lessons, and peer reviews. Further details of the first two phases are outlined in the respective course descriptions.

The third component of the PTT programme will be conducted through practical teaching cycles in nearby secondary schools, as part of Teaching Methods Course Two during the 6th semester of the third year. This phase aims to provide student teachers with essential hands-on experience in real classroom settings. During this phase, student teachers will engage in a series of structured teaching periods at nearby schools in Dar es Salaam. They will implement and adapt instructional strategies developed in earlier phases of training. The University, through the Ministry of Education, Science and Technology, shall establish partnership with the nearby schools to facilitate meaningful field experiences. The practical teaching experience will be divided into three consecutive cycles: Cycle 1, Cycle 2, and Cycle 3. These cycles allow student teachers to progressively take on teaching responsibilities while receiving feedback from experienced mentors.

In **Cycle 1**, student teachers will be engaged in observing experienced teachers, co-planning, co-teaching, and assessment activities. Student teachers will also receive feedback from experienced teachers, reflect on their own practices. They will model professionalism and ethical behaviour in teaching situations, incorporate subject matter knowledge effectively, support classroom management efforts, assist in applying inclusive practices, and help integrate technology into lessons. Assessment in this cycle will be conducted by the designated experienced secondary school teacher in the relevant subjects using protocols established by the university.

In **Cycle 2**, student teachers will take on more responsibility, focusing on lesson planning and delivering lessons, assessment, providing feedback to their students and receiving feedback from mentor teachers. They will adapt instructional strategies to meet diverse needs, manage classrooms effectively, implement inclusive practices, and use technology to enhance learning. Mentor teachers will observe student teachers while teaching and provide feedback focusing on professionalism, subject matter delivery, instructional strategies, classroom management, inclusive practices, and technology integration. Assessment methods will include portfolio, lesson plan evaluations, classroom observations, and rubrics.

Cycle 3, known as independent teaching and assessment, will involve student teachers designing and delivering lessons independently in real classrooms. They will uphold high standards of professionalism and ethical behaviour, demonstrate a deep understanding of subject matter, adapt instructional strategies, manage classrooms effectively, apply inclusive practices, and integrate technology seamlessly. During this phase, student teachers will be assessed by mentor teachers, with collaboration from university teacher educators, based on the university's established protocols for observing and providing feedback on professionalism, subject knowledge, instructional strategies, classroom management, inclusion, and technology use.

Cycle 1 will take place three days a week for a duration of three weeks. **Cycle 2** will also run three days a week but will extend over five weeks. **Cycle 3** will be conducted three days a week and will last

for seven weeks. This distribution is based on credit weight for each cycle. This comprehensive approach ensures that student teachers not only apply their theoretical knowledge but also refine their teaching skills, ultimately enhancing their overall teaching competence and preparing them for a successful career in education.

Mentorship and Supervision of PTT

To promote professionalism, integrity, ethics, and commitment among student teachers, a structured mentorship program will be established through a collaboration between experienced secondary school teachers and university educators. The mentors will serve as role models, demonstrating high standards of professionalism and ethical conduct. Regular meetings will be held to provide feedback, offer guidance, and ensure the integration of core values into teaching practices. This structured mentorship approach is designed to enhance the quality of teacher education and adequately prepare student teachers for the challenges they will face in the profession. Throughout their training, student teachers will receive collaborative supervision and mentorship from both experienced secondary school teachers and university subject teacher educators, spanning cycles 1 to 3, in accordance with the university's established guidelines.

Assessment of Practical Teacher Training Activities

The assessment of Teaching Methods courses will involve both formative and summative components. Formative assessment will account for 60% of the total marks, while summative assessment will contribute 40%. For **Teaching Methods Course 1**, formative assessment will include a variety of methods such as written quizzes, performance tasks, projects, observations, presentations, lesson plan reviews, simulated lessons, portfolio/project work, and peer reviews. The summative assessment for this course will be conducted through a university-written examination.

In **Teaching Methods Course 2**, formative assessment will be carried out during Teaching Cycles 1 and 2. The methods used will include portfolios, co-teaching evaluation forms, peer assessments, lesson plan evaluations, classroom observations, and rubrics. These formative assessments will contribute 60% to the final grade, with 25% from Cycle 1 and 35% from Cycle 2. The summative assessment, including portfolio work, lesson plan evaluations, classroom observations, and teaching effectiveness rubrics, will contribute 40% to the final grade.

To progress to the next phase or cycle of training, student teachers must successfully complete and demonstrate mastery of the learning activities for each phase and cycle. To be eligible to advance, a student teacher must achieve at least 40% of the total marks for a particular phase. Assessments will be conducted by university subject teacher educators in collaboration with designated, experienced secondary school teachers from host institutions, following assessment protocols developed by the university.

BAED-CoSS subjects' combination

Economics and History			
Code	**Course Title**	**Status**	**Credits**
First Year Semester I			
DS 114	Development Perspectives I	Core	12
EC 116	Introductory Microeconomic I	Core	12
EC 117	Introductory Macroeconomic I	Core	12
HI 103	Capitalism and Imperialism in World History	Core	12
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
Total Credits			**64**

Economics and History			
Code	**Course Title**	**Status**	**Credits**
Semester II			
DS 115	Development Perspectives II	Core	12
EC 126	Introductory Microeconomics II	Core	12
HI 130	African History to 1880	Core	12
HI 102	Survey of World History Civilisation to ca. 1500 AD	Core	12
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Total Credits			**61**
Second Year Semester I			
EC 216	Intermediate Microeconomic I	Core	12
EC 220	Development Economics	Core	12
HI 245	History of Tanzania to ca 1960 AD	Core	12
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
A student teacher must choose at least One of the following elective courses:			
EC 118	Mathematics for Economists I	Elective	12
HI 224	Tanzania and the History of Liberation Struggles	Elective	12
Total Credits			**70**
Semester II			
FN 250	Financial Literacy	Core	0
EC 127	Introductory Macroeconomics II	Core	12
HI 246	African History Since Independence	Core	12
AY 244	Basics in Archaeology Studies	Core	12
EA 202	Instructional Leadership	Core	7
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
A student teacher must choose at least One of the following elective courses:			
EC 128	Mathematics for Economists II	Elective	12
HI 272	Science and Technology in World History	Elective	12
Total Credits			**69**
Third Year Semester I			
EC 217	Intermediate Macroeconomic I	Core	12
EC 372	Public Sector Economics	Core	12
HI 368	Oral Histories in Tanzania	Core	12
HI 345	Modern History of Tanzania from 1961 to Present	Core	12
CT 359	Secondary Education Tanzania History and Ethics Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive simulated teaching	Core	6
CT 350	Secondary Education Economics Methods 1		

Economics and History			
Code	**Course Title**	**Status**	**Credits**
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
Total Credits			**68**
Semester II			
EC 226	Intermediate Microeconomics II	Core	12
HI 352	Comparative Industrialization in World History	Core	12
CT 356	Secondary Education History Methods 1		
	Cycle 1 - Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
CT 368	Secondary Education Economics Methods		
	Cycle 1- Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3-Lesson Planning and Independent Teaching	Core	12
Total Credits			**76**

Geography and Kiswahili			
Code	**Course Title**	**Status**	**Credits**
First Year Semester I			
DS 114	Development Perspectives I	Core	12
GE 149	Physical Geography	Core	12
GE 164	Environmental Education and Communication	Core	12
KI 119	Fonetiki na Fonolojia ya Kiswahili	Core	12
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
Total Credits			**64**
Semester II			
DS 115	Development Perspectives II	Core	12
GE 144	Surveying and Mapping Science	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi	Core	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Core	12
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Total Credits			**61**
Second Year Semester I			
GE 257	Climate Change, Mitigation and Adaptation	Core	12
GE 244	Quantitative Methods in Geography	Core	12
KI 209	Mofolojia ya Kiswahili	Core	12
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6

Geography and Kiswahili			
Code	**Course Title**	**Status**	**Credits**
EP 210	Assessment and Evaluation	Core	8
A student teacher must choose at least One of the following elective courses:			
GE 267	Migration	Elective	12
KI 211	Historia ya Kiswahili na Lahaja zake	Elective	12
KI 225	Mbinu za Ufundishaji wa Lugha	Elective	12
Total Credits			**70**
Semester II			
FN 250	Financial Literacy	Core	0
GE 241	Biogeography	Core	12
K1 215	Ukalimani: Nadharia na Vitendo	Core	12
KI 226	Mbinu za Uandishi wa Kiswahili	Core	12
EA 202	Instructional Leadership	Core	7
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
A student teacher must choose at least One of the following elective courses:			
GE 247	Population Studies	Elective	12
GE 272	Agriculture and Food System	Elective	12
KI 231	TEHAMA katika Tafsiri	Elective	12
KS 227	Methodolojia za Utafiti katika Lugha na Fasihi	Elective	12
KI 232	Teminografia na Teminolojia katika Tafsiri na Ukalimani	Elective	12
Total Credits			**69**
Third Year **Semester I**			
GE 385	Integrated Natural Resources Management	Core	12
GE 357	Environmental Conservation and Management	Core	12
KI 310	Sintaksia ya Kiswahili	Core	12
KI 312	Isimu-Historia na Isimu-Linganishi	Core	12
CT 355	Secondary Education Geography Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive simulated teaching	Core	6
CT 357	Secondary Education Kiswahili Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
Total Credits			**68**
Semester II			
GE 371	Population, Environment and Development	Core	12
KI 311	Semantiki na Pragmatiki ya Kiswahili	Core	12
CT 373	Secondary Education Geography Methods 2		
	Cycle 1 - Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
CT 365	Secondary Education Kiswahili Methods 2		

Geography and Kiswahili			
Code	**Course Title**	**Status**	**Credits**
	Cycle 1- Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
Total Credits			**76**

Geography and Fasihi ya Kiswahili			
Code	**Course Title**	**Status**	**Credits**
First Year Semester I			
DS 114	Development Perspectives I	Core	12
GE 149	Physical Geography	Core	12
GE 164	Environmental Education and Communication	Core	12
KF 102	Utangulizi wa Fasihi (Simulizi na Andishi)	Core	12
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
Total Credits			**64**
Semester II			
DS 115	Development Perspectives II	Core	12
GE 144	Surveying and Mapping Science	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi	Core	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Core	12
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Total Credits			**61**
Second Year Semester I			
GE 257	Climate Change, Mitigation and Adaptation	Core	12
GE 244	Quantitative Methods in Geography	Core	12
KF 205	Uandishi wa Kubuni kwa Kiswahili: Nadharia	Core	12
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
A student teacher must choose at least One of the following elective courses:			
GE 267	Migration	Elective	12
KF 226	Uhariri katika Matini za Kiswahili	Elective	12
Total Credits			**70**
Semester II			
FN 250	Financial Literacy	Core	0
GE 241	Biogeography	Core	12
KF 205	Uandishi wa Kubuni kwa Kiswahili: Nadharia	Core	12
KF 223	Ushairi wa Kiswahili	Core	12
EA 202	Instructional Leadership	Core	7

Geography and Fasihi ya Kiswahili			
Code	**Course Title**	**Status**	**Credits**
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
A student teacher must choose at least One of the following elective courses:			
GE 247	Population Studies	Elective	12
GE 272	Agriculture and Food System	Elective	12
KF 221	Fasihi ya Watoto ya Kiswahili	Elective	12
Total Credits			**69**
Third Year Semester I			
GE 385	Integrated Natural Resources Management	Core	12
GE 357	Environmental Conservation and Management	Core	12
KF 303	Elimu-Mitindo ya Fasihi ya Kiswahili	Core	12
KF 319	Tamthiliya ya Kiswahili	Core	12
CT 355	Secondary Education Geography Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive simulated teaching	Core	6
CT 352	Secondary Education Fasihi ya Kiswahili Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
Total Credits			**68**
Semester II			
GE 371	Population, Environment and Development	Core	12
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Core	12
CT 373	Secondary Education Geography Methods 2		
	Cycle 1 - Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
CT 370	Secondary Education Fasihi ya Kiswahili Methods 2		
	Cycle 1- Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3-Lesson Planning and Independent Teaching	Core	12
Total Credits			**76**

Economics and Geography			
Code	**Course Title**	**Status**	**Credits**
First Year Semester I			
DS 114	Development Perspectives I	Core	12
EC 116	Introductory Microeconomic I	Core	12
EC 117	Introductory Macroeconomic I	Core	12
GE 149	Physical Geography	Core	12
EP 101	Educational Psychology	Core	8

Economics and Geography			
Code	**Course Title**	**Status**	**Credits**
EF 102	Philosophy of Education	Core	8
Total Credits			**64**
Semester II			
DS 115	Development Perspectives II	Core	12
EC 126	Introductory Microeconomics II	Core	12
GE 141	Climatology	Core	12
GE 144	Surveying and Mapping Science	Core	12
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Total Credits			**61**
Second Year Semester I			
EC 216	Intermediate Microeconomic I	Core	12
EC 220	Development Economics	Core	12
GE 244	Quantitative Methods in Geography	Core	12
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
A student teacher must choose at least One of the following elective courses:			
EC 118	Mathematics for Economists I	Elective	12
GE 267	Migration	Elective	12
Total Credits			**70**
Semester II			
FN 250	Financial Literacy	Core	0
EC 127	Introductory Macroeconomics II	Core	12
GE 241	Biogeography	Core	12
GE 269	Urban and Rural Economy	Core	12
EA 202	Instructional Leadership	Core	7
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
A student teacher must choose at least One of the following elective courses:			
EC 128	Mathematics for Economists II	Elective	12
GE 247	Population Studies	Elective	12
GE 272	Agriculture and Food System	Elective	12
Total Credits			**69**
Third Year Semester I			
EC 217	Intermediate Macroeconomic I	Core	12
EC 372	Public Sector Economics	Core	12
GE 385	Integrated Natural Resources Management	Core	12
GE 357	Environmental Conservation and Management	Core	12
CT 355	Secondary Education Geography Methods 1		

Economics and Geography			
Code	**Course Title**	**Status**	**Credits**
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 350	Secondary Education Economics Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
Total Credits			**68**
Semester II			
EC 226	Intermediate Microeconomics II	Core	12
GE 371	Population, Environment and Development	Core	12
CT 373	Secondary Education Geography Methods 2		
	Cycle 1 - Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
CT 368	Secondary Education Economics Methods		
	Cycle 1- Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3-Lesson Planning and Independent Teaching	Core	12
Total Credits			**76**

History and Fasihi ya Kiswahili			
Code	**Course Title**	**Status**	**Credits**
First Year Semester I			
DS 114	Development Perspectives I	Core	12
HI 103	Capitalism and Imperialism in World History	Core	12
HI 131	Historical Concepts, Sources and Writing	Core	12
KF 102	Utangulizi wa fasihi (Simulizi na Andishi)	Core	12
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
Total Credits			**64**
Semester II			
DS 115	Development Perspectives II	Core	12
HI 130	African History to 1880	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi	Core	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Core	12
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Total Credits			**61**
Second Year Semester I			
HI 241	African History from 1880 to 1950s	Core	12
HI 245	History of Tanzania to ca 1960 AD	Core	12

History and Fasihi ya Kiswahili			
Code	**Course Title**	**Status**	**Credits**
KF 205	Uandishi wa Kubuni kwa Kiswahili: Nadharia	Core	12
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
A student teacher must choose at least One of the following elective courses:			
HI 224	Tanzania and the History of Liberation Struggles	Elective	12
KF 226	Uhariri katika Matini za Kiswahili	Elective	12
Total Credits			**70**
Semester II			
FN 250	Financial Literacy	Core	0
HI 246	African History Since Independence	Core	12
KF 220	Uandishi wa Kubuni wa Kiswahili: Vitendo	Core	12
KF 225	Hadithi Fupi na Riwaya za Kiswahili	Core	12
EA 202	Instructional Leadership	Core	7
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
A student teacher must choose at least One of the following elective courses:			
AY 244	Basics in Archaeology Studies	Elective	12
HI 272	Science and Technology in World History	Elective	12
KF 221	Fasihi ya Watoto ya Kiswahili	Elective	12
Total Credits			**69**
Third Year **Semester I**			
HI 368	Oral Histories in Tanzania	Core	12
HI 345	Modern History of Tanzania from 1961 to Present	Core	12
KF 303	Elimu-Mitindo ya Fasihi ya Kiswahili	Core	12
KF 319	Tamthiliya ya Kiswahili	Core	12
CT 356	Secondary Education History Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 352	Secondary Education Fasihi ya Kiswahili Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
Total Credits			**68**
Semester II			
HI 352	Comparative Industrialization in World History	Core	12
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Core	12
CT 374	Secondary Education History Methods 2		
	Cycle 1 - Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
CT 370	Secondary Education Fasihi ya Kiswahili Methods 2		

History and Fasihi ya Kiswahili			
Code	**Course Title**	**Status**	**Credits**
	Cycle 1- Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
Total Credits			**76**

History and Geography			
Code	**Course Title**	**Status**	**Credits**
First Year Semester I			
DS 114	Development Perspectives I	Core	12
HI 103	Capitalism and Imperialism in World History	Core	12
HI 131	Historical Concepts, Sources and Writing	Core	12
GE 149	Physical Geography	Core	12
EP 101	Educational Psychology	Core	8
EF 102	Philosophy of Education	Core	8
Total Credits			**64**
Semester II			
DS 115	Development Perspectives II	Core	12
HI 130	African History to 1880	Core	12
GE 141	Climatology	Core	12
GE 144	Surveying and Mapping Science	Core	12
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Total Credits			**61**
Second Year Semester I			
HI 241	African History from 1880 to 1950s	Core	12
HI 245	History of Tanzania to ca 1960 AD	Core	12
GE 244	Quantitative Methods in Geography	Core	12
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
A student teacher must choose at least One of the following elective courses:			
HI 224	Tanzania and the History of Liberation Struggles	Elective	12
GE 267	Migration	Elective	12
Total Credits			**70**
Semester II			
FN 250	Financial Literacy	Core	0
HI 246	African History Since Independence	Core	12
GE 241	Biogeography	Core	12
GE 269	Urban and Rural Economy	Core	12
EA 202	Instructional Leadership	Core	7

History and Geography			
Code	**Course Title**	**Status**	**Credits**
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
A student teacher must choose at least One of the following elective courses:			
AY 244	Basics in Archaeology Studies	Elective	12
HI 272	Science and Technology in World History	Elective	12
GE 247	Population Studies	Elective	12
Total Credits			**69**
Third Year Semester I			
HI 368	Oral Histories in Tanzania	Core	12
HI 345	Modern History of Tanzania from 1961 to Present	Core	12
GE 385	Integrated Natural Resources Management	Core	12
GE 357	Environmental Conservation and Management	Core	12
CT 356	Secondary Education History Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 355	Secondary Education Geography Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
Total Credits			**68**
Semester II			
HI 352	Comparative Industrialization in World History	Core	12
GE 371	Population, Environment and Development	Core	12
CT 374	Secondary Education History Methods 2		
	Cycle 1 - Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
CT 373	Secondary Education Geography Methods 2		
	Cycle 1- Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
Total Credits			**76**

History and Kiswahili			
Code	**Course Title**	**Status**	**Credits**
First Year Semester I			
DS 114	Development Perspectives I	Core	12
HI 103	Capitalism and Imperialism in World History	Core	12
HI 131	Historical Concepts, Sources and Writing	Core	12
KI 119	Fonetiki na Fonolojia ya Kiswahili	Core	12
EP 101	Educational Psychology	Core	8

History and Kiswahili			
Code	**Course Title**	**Status**	**Credits**
EF 102	Philosophy of Education	Core	8
Total Credits			**64**
Semester II			
DS 115	Development Perspectives II	Core	12
HI 130	African History to 1880	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi	Core	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Core	12
EF 103	Sociology of Education	Core	7
EP 105	Inclusive Education	Core	6
Total Credits			**61**
Second Year Semester I			
HI 241	African History from 1880 to 1950s	Core	12
HI 245	History of Tanzania to ca 1960 AD	Core	12
KI 209	Mofolojia ya Kiswahili	Core	12
CT 200	Curriculum and Teaching	Core	8
CT 250	Professional Communication for Teachers	Core	6
EP 210	Assessment and Evaluation	Core	8
A student teacher must choose at least One of the following elective courses:			
HI 224	Tanzania and the History of Liberation Struggles	Elective	12
KI 211	Historia ya Kiswahili na Lahaja zake	Elective	12
KI 225	Mbinu za Ufundishaji wa Lugha	Elective	12
Total Credits			**70**
Semester II			
FN 250	Financial Literacy	Core	0
HI 246	African History Since Independence	Core	12
K1 215	Ukalimani: Nadharia na Vitendo	Core	12
KI 226	Mbinu za Uandishi wa Kiswahili	Core	12
EA 202	Instructional Leadership	Core	7
EF 201	Teacher Ethics and Professionalism	Core	8
EP 211	Classroom Action Research	Core	6
A student teacher must choose at least One of the following elective courses:			
AY 244	Basics in Archaeology Studies	Elective	12
HI 272	Science and Technology in World History	Elective	12
KI 231	TEHAMA katika Tafsiri	Elective	12
KS 227	Methodolojia za Utafiti katika Lugha na Fasihi	Elective	12
KI 232	Teminografia na Teminolojia katika Tafsiri na Ukalimani	Elective	12
Total Credits			**69**
Third Year Semester I			
HI 368	Oral Histories in Tanzania	Core	12
HI 345	Modern History of Tanzania from 1961 to Present	Core	12

History and Kiswahili			
Code	**Course Title**	**Status**	**Credits**
KI 310	Sintaksia ya Kiswahili	Core	12
KI 312	Isimu-Historia na Isimu-Linganishi	Core	12
CT 356	Secondary Education History Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
CT 357	Secondary Education Kiswahili Methods 1		
	Pre-Teaching Activities	Core	4
	Immersive Simulated Teaching	Core	6
Total Credits			**68**
Semester II			
HI 352	Comparative Industrialization in World History	Core	12
KI 311	Semantiki na Pragmatiki ya Kiswahili	Core	12
CT 374	Secondary Education History Methods 2		
	Cycle 1 - Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3 - Lesson Planning and Independent Teaching	Core	12
CT 375	Secondary Education Kiswahili Methods 2		
	Cycle 1- Observation and Co-Teaching	Core	6
	Cycle 2 - Lesson Planning and Implementation	Core	8
	Cycle 3-Lesson Planning and Independent Teaching	Core	12
Total Credits			**76**

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Associate Professor and Coordinator
H. Hambati, BA, MA, PhD (Dar)

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* On Study Leave
**On Sabbatical Leave
***On Leave of Absence/Secondment

SCHOOL OF AQUATIC SCIENCES AND FISHERIES TECHNOLOGY (SoAF)

INTRODUCTION

The School of Aquatic Sciences and Fisheries Technology (SoAF) is a newly established school at the University of Dar es Salaam, established in September 2020 through the upgrading of the then Department of Aquatic Sciences and Fisheries Technology, a unit under the College of Agricultural Sciences and Fisheries Technology (CoAF). SoAF's expertise spans all aquatic habitats (rivers, lakes, wetlands, estuaries, and coastal and marine environments), fisheries and aquaculture, environmental modelling, pollution studies, socio-economics, etc. As a unit of the University of Dar es Salaam, the School is mandated to conduct training and research as well as the provision of public services including consultancy and outreach services related to aquatic sciences. The then Department of Aquatic Sciences and Fisheries Technology provided advisory and consultancy services to government institutions, non-governmental organizations, industry, and private individuals either on an interdisciplinary level or on a specific area, activities that SoAF is currently offering.

SoAF DEPARTMENTS

The School of Aquatic Sciences and Fisheries Technology (SoAF) comprises two teaching departments:

1. Department of Aquatic Sciences and Fisheries Technology (DASFT); and
2. Department of Aquaculture Technology (DAT).

1.1.1 Department of Aquatic Sciences and Fisheries Technology (DASFT)

The Department of Aquatic Sciences and Fisheries Technology offers the following undergraduate degree programmes:

1. Bachelor of Science in Aquatic Sciences and Fisheries Technology (BSc ASFT);
2. Bachelor of Science in Aquatic Environmental Sciences and Conservation (BSc AESC).

1.1.2 Department of Aquaculture Technology (DAT)

The Department of Aquaculture Technology offers the following undergraduate degree programme:

1. BACHELOR OF SCIENCE IN AQUACULTURE TECHNOLOGY (BSC AT)

Programme Overview

The programme focuses on sustainable production and management of aquatic organisms, including fish, shellfish, seaweeds and other aquatic species of commercial importance through the application of modern aquaculture science and technology. It addresses the growing demand for quality fish seed, nutritious and cost-effective feeds, efficient production systems, value addition, and sustainable aquaculture practices in alignment with Tanzania fisheries regulation, Tanzania's Blue Economy Policy, and national food and nutrition security priorities. The programme spans 3 years (6 semesters) with a total of 360 credits at UQF Level 8, delivered through full-time blended learning.

Program Objectives

The BSc in Aquaculture and Technology is designed to develop expertise in various facets of the aquaculture sector. The programme aims to:

- Provide advanced knowledge and practical skills in critical areas such as feed formulation, seed production, water quality management and health strategies for cultured organisms;

- Develop technical skills in graduates to access, analyze, synthesize, and evaluate aquaculture information objectively;
- Provide knowledge on sustainable resource utilization, effective management, and policy development; and
- Develop well-rounded and responsible leaders in the aquaculture industry.

Program Learning Outcomes

Graduates will possess broad and specialized knowledge of aquaculture science and technology, including feed formulation, seed production, water quality and health management, aquatic sampling and production assessment, modern aquaculture technologies, and sustainable utilization of aquatic resources. They will be competent in identifying and solving emerging aquaculture problems, conducting research, evaluating and applying evidence-based solutions, communicating technical information effectively and providing professional and ethical advice on sustainable aquaculture development, resource management and policy formulation.

Admission Requirement

General Minimum Entry Requirements

CSEE with FIVE passes (THREE at Credit level) before ACSEE. AND Two Principal Passes in ACSEE with total points not below 4 (minimum 'E' grade, or 'D' grade for 2014/2015 graduates); OR an appropriate equivalent Diploma with a GPA of not less than 3.5 or Upper Second Class from an institution fully registered with NACTVET/TCU.

Programme Specific Entry Requirements for Admission

The minimum entry requirements for admission into a bachelor's degree programme in Aquaculture and Technology shall be in any of the following categories:

- Direct entry: Two principal passes, one in Biology and one from any other science subject from Advanced Secondary education (Physics, Chemistry, Food and Human Nutrition, Agriculture, Mathematics, Geography and Economics).
- Diploma or equivalent: This programme will also admit candidates with a relevant diploma with a minimum GPA of 3.5 from institutions recognized by NACTVET or TCU.

Practical Training

Practical Training (PT) sessions are compulsory for each academic year except Year 3. PT sessions are conducted for 8 weeks after Semester 2. Each PT carries 8 credits, counted in the following year of study.

Curriculum Structure

Code	Course Title	Credits	Semester	Status
AQ 130	Principles of Aquaculture	12	1	Core
AQ 131	Biology and Physiology of Cultivable Species	12	1	Core
AF 107	Principles of Limnology and Oceanography in Fisheries	8	1	Core
AV 102	Aquatic Botany	8	1	Core
DS 114	Development Perspectives I	12	1	Core
AV 105	Introduction to GIS and Remote Sensing in Aquatic Environment	8	1	Elective
AF 100	Introduction to Fisheries Science	8	1	Elective
AV 101	Aquatic Conservation Biology I	8	1	Elective

Code	Course Title	Credits	Semester	Status
AQ 132	Water and Soil Quality Management in Aquaculture	8	2	Core
AQ 133	Microbiology and Biochemistry in Aquaculture	12	2	Core
AQ 134	Freshwater Aquaculture	8	2	Core
AV 109	Swimming and Survival in Water	8	2	Core
AF 103	Introduction to Genetics	8	2	Core
DS 115	Development Perspectives II	12	2	Core
AF 101	Fishing Gears and Crafts Technology	8	2	Elective
AV 108	Environmental Chemistry	8	2	Elective
Second Year				
AQ 200	Practical Training I	8	1	Core
AQ 210	Aquaculture Systems Design and Construction	12	1	Core
AQ 211	Aquaculture Nutrition	8	1	Core
AQ 212	Biotechnology in Aquaculture	8	1	Core
AQ 213	Fish Processing Technologies and Quality Control	12	1	Core
FW 210	Scientific Research Methods	8	1	Core
AV 204	Plankton Systematics and Ecology	12	1	Elective
FW 205	Biodiversity and Conservation Genetics	8	1	Elective
AV 201	Informatics in Aquatic Science	8	1	Elective
AQ 214	Aquaculture Feed Technology	8	2	Core
AQ 215	Hatchery Management and Seed Production	12	2	Core
AQ 216	Ornamental Fish Culture	8	2	Core
AV 208	Bioinformatics and Molecular Techniques	12	2	Core
FW 211	Aquatic Data Science	12	2	Core
FN 250*	Financial Literacy	-	2	Core
AV 205	Coral Reef Ecosystem	8	2	Elective
AV 209	Science Communication	8	2	Elective
AF 203	Ecology and Behaviour of Fishes	8	2	Elective
Third Year				
AQ 300	Practical Training II	8	1	Core
AQ 350	Mariculture	8	1	Core
AQ 351	Aquaculture Project Planning and Management	12	1	Core
AQ 352	Fish Pathology and Immunology	12	1	Core
AQ 353	Fisheries and Aquaculture Entrepreneurship	8	1	Core
AV 308	Environmental Policy and Governance	8	1	Core
AF 301	Aquabusiness Management	8	1	Elective

Code	Course Title	Credits	Semester	Status
AV 301	Application of GIS and Remote Sensing in Aquatic Environment	12	1	Elective
AV 305	Aquatic Pollution and Toxicology	12	1	Elective
AV 310	Blue Economy and Sustainable Use of Aquatic Resources	8	2	Core
AQ 354	Aquafarm Management	8	2	Core
AQ 355	Aquaculture Economics	12	2	Core
AQ 356	Aquaculture and the Environment	8	2	Core
AF 305	Fisheries and Aquaculture Extension	8	2	Core
AQ 399	Aquaculture Research Project	12	2	Core
AQ 357	Contemporary Topics in Aquaculture	8	2	Elective
AF 314	Gender in Fisheries and Aquaculture	8	2	Elective
AV 311	Environmental and Social Impact Assessment and Auditing	12	2	Elective

DEPARTMENT OF AQUATIC SCIENCES AND FISHERIES TECHNOLOGY (DASFT)

BACHELOR OF SCIENCE IN AQUATIC SCIENCES AND FISHERIES (BSC ASF)

The Bachelor of Science in Aquatic Sciences and Fisheries (BSc ASF) programme is no longer admitting new students. The programme is currently in its teach-out phase, with only continuing students in the Second Year and Third Year of study.

No new admissions will be made into the First Year of this programme. Continuing students will complete their studies in accordance with the approved curriculum structure outlined below:

Curriculum Structure

First Year

Code	Course Title	Credits	Semester	Status
AQ 120	Ecology of Lakes and Rivers	12	1	Core
AQ 121	Introduction to Fisheries Science and Technology	8	1	Core
BL 111	Introductory Cell Biology and Genetics	12	1	Core
ZL 121	Invertebrate Zoology	8	1	Core
MC 100	Fundamentals of Microbiology	12	1	Core
DS 112	Development Perspectives I	12	1	Core
IS 131	Introduction to Informatics and Microcomputers	8	1	Elective
CL 107	Communication Skills for Science Students	12	1	Elective
AQ 122	Introduction to Aquaculture	12	2	Core
AQ 123	Swimming and Survival in Water	-	2	Core
AQ 124	Marine Benthic Ecology	8	2	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	2	Core
ZL 122	Chordate Zoology	8	2	Core

Code	Course Title	Credits	Semester	Status
CH 113	Chemistry for Life Sciences Students	12	2	Core
DS 113	Development Perspectives II	12	2	Core
WS 101	Ecology and Utilisation of Natural Resources	8	2	Elective
Second Year				
AQ 200	Practical Training I	8	1	Core
AQ 231	Marine Biogeochemistry	8	1	Core
AQ 232	Fish Population Dynamics and Stock Assessment	12	1	Core
AQ 234	Mangrove, Seagrass and Seaweed Ecology	12	1	Core
AQ 236	Fish Taxonomy and Biology	12	1	Core
EV 200	Environmental Science	8	1	Core
AQ 224	Plankton Systematics and Ecology	12	2	Core
AQ 221	Estuarine and Wetland Ecology	12	2	Core
AQ 233	Physical and Geological Processes in the Oceans	8	2	Core
AQ 235	Coral Reef Ecosystem	8	2	Core
AQ 237	Fish Ecology	8	2	Core
BL 234	Biostatistics I	12	2	Core
AQ 239	Biology and Ecology of Shellfish	8	2	Elective
GY 245	Remote Sensing and GIS	12	2	Elective
SC 215	Scientific Methods	8	2	Elective
Third Year				
AQ 300	Practical Training II	8	1	Core
AQ 339	Aquaculture Production Systems	12	1	Core
AQ 342	Fisheries Resource Management	12	1	Core
AQ 320	Watershed Management	8	1	Core
AQ 347	Aquabusiness	12	1	Core
AQ 348	Aquatic Pollution and Control	8	1	Core
AQ 343	Fish Processing Technology	12	1	Elective
AQ 349	Advanced Oceanography	12	1	Elective
MC 209	Water Microbiology	12	1	Elective
AQ 340	Genetics, Breeding and Seed Production	12	2	Core
AQ 341	Feed Production Technology	8	2	Core
AQ 307	Law of the Sea and Inland Waters	8	2	Core
AQ 345	Diseases of Fish	8	2	Core
AQ 346	Fisheries Economics	8	2	Core
AQ 399	Research Project	12	2	Core
AQ 331	Contemporary Topics in World Fisheries and Aquatic Sciences	8	2	Elective

Code	Course Title	Credits	Semester	Status
BL 314	Biostatistics II	8	2	Elective
WS 311	Tourism and Recreational Management	8	2	Elective

BACHELOR OF SCIENCE IN AQUATIC ENVIRONMENTAL SCIENCES AND CONSERVATION (BScAESC)

Programme Overview

The Bachelor of Science in Aquatic Environmental Sciences and Conservation (BScAESC) is hosted by the Department of Aquatic Sciences and Fisheries Technology. It addresses the conservation and management of marine and freshwater ecosystems in alignment with Tanzania's Blue Economy Policy and national environmental education goals. The programme spans 3 years (6 semesters) with a total of 360 credits at UQF Level 8 under full-time blended delivery.

Programme Objectives

- To address conservation issues concerning Tanzanian marine and freshwater systems.
- To address the physical, chemical, and geological processes in water bodies and their relationship with the biosphere.
- To provide insight into the aquatic environment and basic processes governing life in aquatic systems.
- To train students in qualitative and quantitative methods of assessing aquatic systems and conducting scientific research.
- To provide advanced knowledge on human-aquatic interactions and management strategies.

Programme Learning Outcomes

Graduates will possess broad and detailed knowledge of physical, biological, and chemical components of aquatic systems, environmental legal frameworks, monitoring and resource mapping skills and competence in evaluating climate change and human impacts.

Admission Requirements

General Minimum Entry Requirements

CSEE with FIVE passes (THREE at Credit level) before ACSEE. AND Two Principal Passes in ACSEE with total points not below 4 (minimum 'E' grade, or 'D' grade for 2014/2015 graduates); OR an appropriate equivalent Diploma with a GPA of not less than 3.5 or Upper Second Class from an institution fully registered with NACTVET/TCU.

Programme Specific Entry Requirements

- Direct Entry: Two principal passes, one in Biology and one from Physics, Chemistry, Agriculture, Nutrition, Geography, Physical Education, Fine Art, Economics, or Advanced Mathematics.
- Equivalent Entry: Diploma with GPA >= 3.5 or Upper Second Class in Fisheries Science and Technology, Fisheries Management, Aquaculture, Forest Management and Nature Conservation, Agriculture, Science Education, Maritime, Environment and Coastal Resources Management, or Fish Processing/Quality Assurance. Must have a minimum 'C' grade in Biology at O-Level.

Practical Training

Practical Training (PT) sessions are compulsory for each academic year except Year 3. PT sessions are conducted for 8 weeks after Semester 2. Each PT carries 8 credits, counted in the following year of study.

Curriculum Structure

Code	Course Title	Credits	Semester	Status
Year 1				
AV 101	Aquatic Conservation Biology I	8	1	Core
AV 100	Introduction to Aquatic Environment	8	1	Core
AV 102	Aquatic Botany	8	1	Core
AV 103	Fundamentals of Aquatic Microbiology	8	1	Core
AV 104	Aquatic Invertebrate Zoology	8	1	Core
DS 114	Development Perspectives I	12	1	Core
AV 105	Introduction to GIS and Remote Sensing in an Aquatic environment	8	1	Core
AF 100	Introduction to Fisheries Science	8	1	Elective
AV 106	Aquatic Vertebrate Zoology	8	2	Core
AV 107	Ecology of Inland Waters	12	2	Core
DS 115	Development Perspectives II	12	2	Core
AV 108	Environmental Chemistry	8	2	Core
AF 103	Introduction to Genetics	8	2	Core
AV 109	Swimming and Survival in Water	8	2	Core
AF 101	Fishing Gear and Crafts Technology	8	2	Elective
AF 102	Navigation and Seamanship	8	2	Elective
Year 2				
AV 200	Practical Training I	8	1	Core
AV 201	Informatics for Aquatic Scientists	8	1	Core
FW 210	Scientific Research Methods	8	1	Core
AV 202	Chemical Oceanography	8	1	Core
AV 203	Mangrove and Seagrass Ecosystems	8	1	Core
AV 204	Plankton Systematics and Ecology	12	1	Core
FN 250	Financial Literacy	0	1	Core
FW 206	Water Quality Assessment	8	1	Elective
FW 208	Biodiversity and Conservation Genetics	8	1	Elective
AV 208	Bioinformatics and Molecular Techniques	12	2	Core
AV 205	Coral Reefs Ecosystem	8	2	Core
AV 206	Principles of Ecological Modelling	8	2	Core
FW 211	Data Sciences in Aquatic Sciences	12	2	Core
AV 207	Physical and Geological Processes in the Ocean	8	2	Core

Code	Course Title	Credits	Semester	Status
AV 209	Science Communication	8	2	Core
FW 205	Estuarine Processes and Functions	8	2	Elective
FW 212	Natural Risks and Inland Waters	8	2	Elective
AF 207	Fisheries Modelling and Stock Assessment	12	2	Elective
Year 3				
AV 300	Practical Training II	8	1	Core
AV 301	Application of GIS and Remote Sensing in Aquatic Environment	12	1	Core
AV 302	Aquatic Conservation Biology II	8	1	Core
AV 308	Environmental Policy and Governance	8	1	Core
AV 304	Aquatic Pollution and Toxicology	12	1	Core
AV 305	Economics of Aquatic Ecosystems	8	1	Elective
FW 301	Watershed Ecology and Management	12	1	Elective
AV 306	Climate Change, Variability and Aquatic Resources	8	1	Elective
AV 307	Aquatic Invasive Species and Biosecurity	8	2	Core
AV 311	Environmental and Social Impact Assessment and Auditing	12	2	Core
AV 399	Research Project	12	2	Core
AV 310	Sustainable Blue Economy	8	2	Core
AV 309	Restoration of Threatened Species and Ecosystems	8	2	Core
AF 305	Fisheries and Aquaculture Extension	8	2	Elective
AF 313	Gender in Fisheries and Aquaculture	8	2	Elective
FW 307	Paleoclimatology and Climate Change	12	2	Elective

7. PROGRAMME CREDIT SUMMARY

Summary of Total Credits Across Undergraduate Programmes

Programme Title	Duration	Total Minimum Credits
Bachelor of Science in Aquatic Sciences and Fisheries (BSc ASF)	3 Years / 6 Semesters	360
Bachelor of Science in Aquaculture and Technology (BScAT)	3 Years / 6 Semesters	360
Bachelor of Science in Aquatic Environmental Sciences and Conservation (BScAESC)	3 Years / 6 Semesters	360

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C. C. Wambura, Dip (Mwanza)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

UNIVERSITY OF DAR ES SALAAM BUSINESS SCHOOL (UDBS)

INTRODUCTION

The University of Dar es Salaam Business School (UDBS) comprises four academic departments, namely Accounting, Finance, Marketing, and General Management. The school offers a Bachelor of Commerce (BCom) and Bachelor of Science in Finance. The school also offers evening programmes, which are the Bachelor of Business Administration (BBA) and its specializations in procurement, finance, and accounting. In the Bachelor of Commerce Programme, students may specialise in Accounting, Corporate Finance, Banking, Marketing, Tourism, Procurement and Supply Chain Management, and Human Resources Management.

Beyond its degree programmes, UDBS actively engages with the community through its service bureaus. The Management Development and Consultancy Bureau (MDCB) provides a wide range of professional short courses and offers consultancy services to both public and private entities, applying academic expertise to practical business solutions. Additionally, the *Career Counselling and Practical Training* Unit supports students in their professional and career development.

General Degree Regulations

Entry requirements into Bachelor of Commerce and Bachelor of Business Administration Programmes:

Category A: Direct Entry (Form Six)

General University Minimum Requirements:

(a) *For all applicants except graduates of 2014 and2015*

Two Principal Passes in appropriate subjects in the ACSEE or equivalent, with total points from three subjects not below 5 based on the following grade-to-point conversion scale: A=5; B=3: C=3; E=1; S=0.5; and F=0 points

The minimum Principal in this case is an 'E' grade.

(b) *For all applicants graduates of 2014 and2015*

Two passes of at least a 'D' grade in appropriate subjects in the ACSEE or equivalent, with total points from three subjects not below 5, based on the following grade-to-point conversion scale:

A=5; B+=4; B = 3; C = 2; D = 1; E = 0.5 and F = 0 point

The minimum Principal in this case is a 'C' grade

(Note: Principal level passes in Divinity/Islamic Knowledge are not counted)

In addition, an applicant must have at least a subsidiary pass in Mathematics at Advanced Certificate of Secondary Education Examination (ACSEE) level or a grade of 'C' or better in Certificate of Secondary Education Examination (CSEE) level. Preferential consideration will be accorded to commercial-based subjects in the event that two applicants tie in points and one is to be selected.

Category B: Equivalent Qualifications

An appropriate equivalent Diploma of not less than Second class/Credit level or B grade obtained from a college which is fully registered by NACTE and approved by the UDSM Senate. For Diploma that are further classified into Upper and Lower classes, the requirement shall be an Upper Second class or B+ average.

Note: Applicants from countries which follow an 8-4-4 education system need to complete at least one year of study at a university in their own countries before they can be considered for admission into the University of Dar es Salaam. Candidates Transferring from Other Universities: Students entering this University cannot transfer grades obtained elsewhere. They can, however, be exempted from taking corresponding courses. The Maximum transferable load for BCom and BBA is one-year courses.

School Examination Regulations

These examination regulations shall be read together with the General University Examination Regulations.

1. General University examination regulations will apply.
2. There shall be University Examinations at the end of each semester in all subjects of study.
3. A candidate is required to register for 136 course credits in the first year, 144 course credits in the second and 152 course credits in the third year (including second year 8 practical training credits). Each course will be examined upon completion. The coursework, which includes papers, assignments, tests, etc., accounts for 40% of the total marks in each course; the final examination accounts for 60% of the total marks.
4. At the end of an academic year, a candidate who has failed some courses may be allowed to take a Supplementary examination in the failed subjects, provided the overall average in all courses taken in that year constitutes a GPA greater than or equal to 1.8. Otherwise, the candidate shall be discontinued.
5. The maximum pass grade in a Supplementary examination shall be "C".
6. A candidate who has failed a supplementary examination shall be allowed to carry over the failed course within the maximum period of registration, provided the overall average in all courses, including those taken and passed in that year, constitutes a GPA greater than or equal to 2.0.
7. The grading system shall be as follows:

   A 70 – 100 %
   B+ 60 – 69 %
   B 50 – 59 %
   C 40 – 49 %
   D 35 – 39 %
   E 0 – 34 %

   The minimum pass grade in each of the courses taken shall be "C"; the grade for 'absolute fail' shall be "E".

8. Examination Regulation for the BBA Practical Project Work:
   (a) Each candidate is required to pass the project work;
   (b) The grading system of the project work shall be the same as in other courses;
   (c) A candidate who fails in the project work shall repeat the project in the subsequent year by fulfilling all the requirements for the project work, other regulations permitting.

(A) BCom Course Codes:

AC Accounting
DS Development Studies
EC Economics
FN Finance
GM General Business Management
HR Human Resources Management
IM Information Management Sciences
MK Marketing
TH Tourism and HospitalityManagement

(B) BBA Course Codes:

BAC Accounting-related courses
BBS Business-related courses
BEC Economics-related courses
BGM Management-related courses
BIM Management Science courses
BFN Finance-related courses
BHR Human Resources-related courses
BMK Marketing-related courses
BPW Project Work
BIT Information Technology-related courses

DEPARTMENT OF ACCOUNTING

Bachelor of Commerce in Accounting First Year

First Semester

Code	Course Title	Credits	Semester	Status
First Year: First Semester				
AC 100	Principles of Accounting I	12	1	Core
FN 100	Principles of Micro-economics	12	1	Core
AC 103	Public Finance and Taxation	12	1	Core
FN 103	Principles of Finance	12	1	Core
DS 114	Development Perspectives I*	12	1	Core
One Elective course from the following:				
MK 100	Introduction to Business	12	1	Elective
IM 102	Business Mathematics	12	1	Elective
Total First Semester Credits		**72**		
Second Semester				
AC 101	Principles of Accounting II	12	2	Core
FN 106	Financial Management	12	2	Core
AC 104	Cost Accounting	12	2	Core
FN 101	Principles of Macro-economics	12	2	Core
DS 115	Development Perspectives II*	12	2	Core
One Elective course from the following:				
MK 103	Business Communications	12	2	Elective
MK 101	Principles of Marketing	12	2	Elective
GM 100	Principles and Practices of Management	12	2	Elective
Total Second Semester Credits		**72**		
Total First Year Credits		**144**		
Second Year: First Semester				
AC 200	Managerial Accounting	12	1	Core
AC 201	Intermediate Accounting	12	1	Core
AC 203	Accounting Systems and Data Analytics	12	1	Core
EC 219	Econometrics I	12	1	Core
HR 200	Organization Behaviour	12	1	Core
One Elective course from the following:				
AC 204	Accounting Theory	12	1	Elective
FN 229	Entrepreneurial Finance	12	1	Elective
AC 211	Legal Elements in Fraud Investigation	12	1	Elective
Total First Semester Credits		**72**		
Second Semester				
AC 205	Auditing and Assurance	12	2	Core
AC 206	Financial Reporting	12	2	Core
AC 207	Income Taxation	12	2	Core
EC 229	Econometrics II	12	2	Core
GM 200	Business Law and Ethics	12	2	Core
One Elective course from the following:				
AC 208	Public Sector Accounting and Reporting	12	2	Elective
AC 210	Forensic Accounting	12	2	Elective

Code	Course Title	Credits	Semester	Status
FN 217	Financial Technology	12	2	Elective
Total Second Semester Credits		**72**		
Total Second Year Credits		**144**		
Third Year: First Semester				
GM 300	Strategic Management*	12	1	Core
AC 301	Indirect Taxes*	12	1	Core
AC 302	Corporate Governance and Ethics*	12	1	Core
AC 333	Accounting Industrial Placement	24	1	Core
FN 250	Financial Literacy*	N/A	1	Core
One Elective course from the following:				
AC 310	Fraud Examination*	12	1	Elective
AC 311	Tax Administration*	12	1	Elective
AC 303	CSR and Sustainability Reporting*	12	1	Elective
Total First Semester Credits		**72**		
Second Semester				
AC 304	Advanced Financial Accounting	12	2	Core
AC 305	Advanced Auditing and Assurance Services	12	2	Core
AC 306	Advanced Management and Cost Accounting	12	2	Core
MK 360	Entrepreneurship and Innovation	12	2	Core
MK 324	Management Consulting	12	2	Core
One Elective course from the following:				
AC 307	Public Sector Auditing and Investigation	12	2	Elective
AC 312	Tax Audit and Investigations*	12	2	Elective
AC 314	International Taxation	12	2	Elective
AC 313	Digital Forensics for Accountants	12	2	Elective
AC 308	Internal Auditing and Risk Management*	12	2	Elective
AC 309	Information Systems Audit*	12	2	Elective
FN 300	International Business Finance	12	2	Elective
Total Second Semester Credits		**72**		
Total Third Year Credits		**144**		
Total BCom in Accounting Degree Credits		**432**		

To be Delivered Online

Bachelor of Commerce in Auditing and Forensic Accounting

Code	Course Title	Credits	Semester	Status
Year 1: Semester 1				
AC 100	Principles of Accounting I	12	1	Core
DS 114	Development Perspectives I*	12	1	Core
FN 100	Principles of Microeconomics	12	1	Core
AC 105	Fundamentals of Forensic Accounting and Auditing	12	1	Core
AC 106	Principles of Internal Audit	12	1	Core
IM 102	Business Mathematics	12	1	Core
Total Year 1 Semester 1 Credits		**72**		

Year 1: Semester 2				
AC 101	Principles of Accounting II	12	2	Core
FN 101	Principles of Macroeconomics	12	2	Core
DS 115	Development Perspectives II*	12	2	Core
AC 104	Cost Accounting	12	2	Core
MK 103	Business Communications	12	2	Core
One elective course from the following:				
MK 101	Principles of Marketing	12	2	Elective
FN 108	Bank Operations	12	2	Elective
FN 217	Financial Technologies	12	2	Elective
GM 100	Principles and Practices of Management	12	2	Elective
Total Year 1 Semester 2 Credits		**72**		
Total Year 1 Credits		**144**		
Year 2: Semester 1				
AC 200	Managerial Accounting	12	1	Core
AC 201	Intermediate Accounting	12	1	Core
AC 209	Legal Elements in Fraud Investigations	12	1	Core
FN 103	Principles of Finance	12	1	Core
AC 203	Accounting Systems and Data Analytics	12	1	Core
One elective course from the following:				
AC 266*	Forensic Investigation Project (with research component) *	8	1	Elective
AC 277*	Internal Audit Project (with research component) *	8	1	Elective
AC 288*	External Auditing Project (with research component) *	8	1	Elective
AC 299*	Accounting Project (with research component) *	8	1	Elective
Total Year 2 Semester 1 Credits		**68**		
Year 2: Semester 2				
GM 200	Business Law and Ethics	12	2	Core
AC 207	Income Taxation	12	2	Core
AC 208	Public Sector Accounting and Reporting	12	2	Core
AC 210	Forensic Accounting	12	2	Core
AC 205	Auditing and Assurance Services	12	2	Core
AC 206	Financial Reporting	12	2	Core
Total Year 2 Semester 2 Credits		**72**		
Total Year 2 Credits		**140**		

Year 3: Semester 1				
AC 302*	Corporate Governance and Ethics*	12	1	Core
AC 310*	Fraud Examination*	12	1	Core

AC 301*	Indirect Taxes*	12	1	Core
One elective course from the following:				
AC 311*	Tax Administration*	12	1	Elective
AC 303*	CSR and Sustainability Reporting*	12	1	Elective
One PT course from the following:				
AC 366	Forensic Accounting Industrial Placement (with research component)	24	1	Elective
AC 377	Internal Auditing Industrial Placement (with research component)	24	1	Elective
AC 388	External Auditing Industrial Placement (with research component)	24	1	Elective
AC 399	Accounting Industrial Placement (with research component)	24	1	Elective
Total Year 3 Semester 1 Credits		**72**		
Year 3: Semester 2				
AC 306	Advanced Management and Cost Accounting	12	2	Core
AC 304	Advanced Financial Accounting	12	2	Core
AC 305	Advanced Auditing and Assurance Services	12	2	Core
AC 313	Digital Forensics for Accountants	12	2	Core
AC 307	Public Sector Auditing and Investigations	12	2	Core
One elective course from the following:				
AC 312	Tax Audit and Investigations*	12	2	Elective
AC 308	Internal Auditing and Risk Management*	12	2	Elective
AC 309	Information Systems Audit*	12	2	Elective
MK 324	Management Consulting	12	2	Elective
Total Year 3 Semester 2 Credits		**72**		
Total Year 3 Credits		**144**		
Total BCom in Auditing and Forensic Accounting Degree Credits		**428**		

Courses with stars (*) will be offered online but assessment, especially the final examination, will be face-to-face.

Bachelor of Business Administration in Accounting and Finance (Evening)

Code	Course Title	Credits	Semester	Status
Year 1: Semester 1				
BAC 100	Principles of Financial Accounting I	12	1	Core
BIM 102	Business Mathematics and Statistics	12	1	Core
BAC 103	Public Finance and Taxation	12	1	Core
BFN 103	Principles of Finance	12	1	Core

BFN 100	Principles of Microeconomic Analysis	12	1	Core
BBS 111	Foundation to Business Administration	12	1	Core
Total Year 1 Semester 1 Credits		**72**		
Year 1: Semester 2				
BAC 101	Principles of Financial Accounting II	12	2	Core
BFN 101	Principles of Macroeconomic Analysis	12	2	Core
BBS102	Principles of Management and Administration	12	2	Core
BAC 104	Cost Accounting	12	2	Core
BFN 108	Fundamentals of Risk Management	12	2	Core
BBS 112	Business Communication and Negotiation Skills	12	2	Core
Total Year 1 Semester 2 Credits		**72**		
Total Year 1 Credits		**144**		
Code	**Course Title**	**Credits**	**Semester**	**Status**
Year 2: Semester 1				
BAC 200	Managerial Accounting	12	1	Core
BAC 202	Accounting Information Systems	12	1	Core
BAC 201	Intermediate Accounting	12	1	Core
BFN 208	Bank Operations	12	1	Core
BFN 229	Entrepreneurial Finance	12	1	Core
BGM 201	Business Law	12	1	Core
Total Year 2 Semester 1 Credits		**72**		
Code	**Course Title**	**Credits**	**Semester**	**Status**
Year 2: Semester 2				
BAF 203	Data Analytics in Accounting and Finance	12	2	Core
BFN 206	Financial Management	12	2	Core
BAC 207	Income Taxation	12	2	Core
BFN 220	Regulation of Banking and Insurance	12	2	Core
BAC 205	Auditing and Assurance Services	12	2	Core
BGM 200	Strategic Management	12	2	Core
Total Year 2 Semester 2 Credits		**72**		
Total Year 2 Credits		**144**		
Year 3: Semester 1				
BAF 302	Corporate Governance and Ethics	12	1	Core
BAC 305	Advanced Auditing and Assurance Services	12	1	Core

BAC 304	Advanced Financial Reporting	12	1	Core
BAC 301	Indirect Taxes	12	1	Core
BAF 333	Practical Training	12	1	Core
One elective course from the following:				
BFN 317	Financial Technology	12	1	Elective
BFN 319	Alternative and Responsible Investment	12	1	Elective
Total Year 3 Semester 1 Credits		**72**		
Year 3: Semester 2				
BAC 306	Advanced Cost and Management Accounting	12	2	Core
BFN 328	International Business Finance	12	2	Core
BFN 302	Security Analysis and Portfolio Management	12	2	Core
BAC 303	CSR and Sustainability Reporting	12	2	Core
BGM 300	Organizational Behaviour	12	2	Core
One elective course from the following:				
BMK 324	Management Consulting	12	2	Elective
BAC 308	Internal Auditing and Risk Management	12	2	Elective
BAC 312	Tax Audit and Investigations	12	2	Elective
BAC 309	Information Systems Audit	12	2	Elective
BAC 307	Public Sector Auditing and Investigation	12	2	Elective
Total Year 3 Semester 2 Credits		**72**		
Total Year 3 Credits		**144**		
Total BBA in Accounting and Finance Degree Credits		**432**		

All lectures and seminars will be held online in the evening hours. Everything else, including assignments, projects, practical training and examinations will be held on a face-to-face basis.

DEPARTMENT OF FINANCE

Bachelor of Commerce in Banking and Financial Services First Year: Semester I

Code	Course Title	Units	Semester	Status
AC 100	Principles of Accounting I (Prerequisite for Admission into BCOM)	12	1	Core
DS 114	Development Perspectives I	12	1	Core
FN 100	Principles of Microeconomic Analysis (Prerequisite for Admission into BCOM)	12	1	Core
IM 100	Introduction to Information and Communications Technology (Prerequisite for Admission into BCOM)	12	1	Core
IM 102	Business Mathematics (Prerequisite for Admission into BCOM)	12	1	Core
MK 100	Introduction to Business (Prerequisite for Admission into BCOM)	12	1	Core
Total First-Semester Units		**72**		
Semester II				
AC 101	Principles of Accounting II (Prerequisite AC 100)	12	2	Core
CL 108	Business Communication	12	2	Core
DS 115	Development Perspectives II	12	2	Core
FN 101	Principles of Macroeconomics Analysis (Prerequisite FN 100)	12	2	Core
GM 100	Principles and Practice of Management (Prerequisite for Admission into BCOM)	12	2	Core
MK 101	Principles of Marketing (Prerequisite MK 100)	12	2	Core
	Total Second-Semester Units	**72**		
Total First-Year Units		**144**		
Second Year: Semester I				
AC 200	Management Accounting I (Prerequisite AC 101)	12	1	Core
FN 200	Principles of Finance (Prerequisite AC 100)	12	1	Core
FN 201	Introduction to Financial Services (Prerequisite FN 101)	12	1	Core
FN 210	Bank Operations (Prerequisite FN 101)	12	1	Core
IM 200	Quantitative Methods for Business Decisions (Prerequisite IM 102)	12	1	Core
	[One Elective course from the Following]			
AC 201	Intermediate Accounting (Prerequisite AC 101)	12	1	Optional

Code	Course Title	Units	Semester	Status
FN 208	Risk Management and Insurance (Prerequisite FN 101)	12	1	Optional
Total First-Semester Units		**72**		
Semester II				
AC 202	Management Accounting II (Prerequisite AC 101 and AC 200)	12	2	Core
FN 202	Introduction to Financial Management (Prerequisite FN 200)	12	2	Core
FN 212	Microfinance (Prerequisite FN 200)	12	2	Core
GM 200	Business Law and Ethics (Prerequisite GM 100)	12	2	Core
IM 205	Business Research Methods (Prerequisite GM 100 and IM 200)	12	2	Core
	[One Elective course from the Following]			
FN 206	Leasing Management (Prerequisite FN 200)	12	2	Optional
FN 207	Personal Finance (Prerequisite FN 200)	12	2	Optional
Total Second-Semester Units		**72**		
Total Second-Year Units		**144**		
	Field Practical with Research Component			
Third Year: Semester I				
GM 333	Field Practical with Research Component	8	1	Core
FN 300	International Business Finance (Prerequisite FN 101 and FN 202)	12	1	Core
FN 302	Security Analysis and Portfolio Management (Prerequisite FN 202)	12	1	Core
FN 304	Bank Financial Management (Prerequisite FN 202 and FN 210)	12	1	Core
FN 310	Investment Analysis (Prerequisite FN 202)	12	1	Core
GM 300	Strategic Management (Prerequisite GM 100)	12	1	Core
	[One Elective course from the Following]			
IM 305	Management Information Systems (Prerequisite IM 100)	12	2	Optional
MK 336	Business Planning (Prerequisite AC 101, FN 101 and MK 101)	12	1	Optional
	Total First-Semester Units	80		
FN 303	Law Relating to Banking and Financial Services (Prerequisite FN 210)	12	2	Core
FN 306	Lending Management (Prerequisite FN 202 and FN 210)	12	2	Core
FN 307	Treasury Management (Prerequisite FN 202 and FN 211)	12	2	Core

Code	Course Title	Units	Semester	Status
MK 301	Entrepreneurship (Prerequisite MK 100)	12	2	Core
MK 326	Marketing of Services (Prerequisite MK 100 and MK 101)	12	2	Core
	[One Elective course from the Following]			
FN 309	Development and Investment Banking (Prerequisite FN 202 and FN 212)	12	2	Optional
MK 324	Management Consulting Skills (Prerequisite GM 100)	12	2	Optional
Total Second-Semester Units		**72**		
Total Third-Year Units		**152**		
Total B. Com in Banking and Financial Services Degree Units		**440**		

Bachelor of Science in Finance

First Year: Semester I

Code	Course Title	Units	Semester	Status
AC 100	Principles of Accounting I	12	1	Core
DS 114*	Development Perspectives I	12	1	Core
FN 100	Principles of Microeconomic Analysis	12	1	Core
FN 103	Principles of Finance	12	1	Core
FN 104	Quantitative Mathematics and Statistics in Finance	15	1	Core
Total First Semester Units		**63**		
Semester II				
DS 115	Development Perspectives II	12	2	Core
FN 101	Principles of Macroeconomics Analysis	12	2	Core
FN 105	Programming for Finance	15	2	Core
FN 106	Financial Management	12	2	Core
MK 103	Business Communications	12	2	Core
Total Second-Semester Units		**63**		
Total First-Year Units		**126**		
Second Year: Semester I				
FN 20X	Financial Markets and Institutions	12	1	Core
FN 213	Financial Econometrics	12	1	Core
FN 214	Financial Analysis	12	1	Core
FN 229	Entrepreneurial Finance	12	1	Core
One Elective course from the following:				
AC 206	Financial Reporting	12	1	Optional
AC 104	Cost Accounting	12	1	Optional
Total First-Semester Units		**60**		
Semester II				
FN 215	Financial Modelling	12	2	Core

Code	Course Title	Units	Semester	Status
FN 216	Advanced Financial Econometric	12	2	Core
FN 217	Financial Technology	12	2	Core
FN 322	Business Ethics and Finance Professional	12	2	Core
GM 200	Business Law	12	2	Core
One Elective course from the following:				
AC 205	Introduction to Auditing and Assurance	12	2	Optional
AC 207	Income Taxation	12	2	Optional
Total Second-Semester Units		**72**		
Total Second-Year Units		**132**		
Third Year: Semester I				
FN 330*	Alternative and Responsible Investment	12	1	Core
FN 332*	Behavioural Finance	12	1	Core
FN 333	Industrial Attachment	36	1	Core
Total First-Semester Units		**60**		
Semester II				
FN 250**	Financial Literacy	-	2	Core
FN 302	Security Analysis and Portfolio Management	15	2	Core
FN 328	International Finance	15	2	Core
FN 329	Fixed Income Securities and Markets	15	2	Core
FN 331	Derivative and Risk Management	15	2	Core
One Elective course from the following:				
AC 301	Indirect Taxes	12	2	Optional
AC 305	Advanced Auditing and Assurance Services	12	2	Optional
Total Second-Semester Units		**72**		
Total Third-Year Units		**132**		
Total Bachelor of Science in Finance Degree Units		**390**		

DEPARTMENT OF MARKENTING

Bachelor of Commerce in Marketing

Code	Course Title	Credits	Semester	Status
Semester 1, Year 1				
FN 100	Principles of Microeconomics	12	1	Core
DS 114	Development Perspectives I*	12	1	Core
IM 100	Information and Communication Technology	12	1	Core
MK 100	Introduction to Business	12	1	Core
AC 100	Principles of Accounting I	12	1	Core
IM 102	Business Mathematics	12	1	Core
TOTAL CREDITS (FIRST SEMESTER)		**72**		
Semester 2, Year 1				
GM 100	Principles and Practice of Management	12	2	Core
FN 101	Principles of Macroeconomics Analysis	12	2	Core
AC 101	Principles of Accounting II	12	2	Core
MK 101	Principles of Marketing	12	2	Core
DS 115	Development Perspective II*	12	2	Core
MK 103	Business Communication	12	2	Core
Total Credits (SECOND SEMESTER)		**72**		
Grand Total Credits (FIRST YEAR)		**144**		
Semester 1, Year 2				
MK 222	Sales Management	12	1	Core
IM 200	Quantitative Methods for Business Decisions	12	1	Core
MK 227	Digital Marketing I*	12	1	Core
MK 213	Consumer Behaviour	12	1	Core
MK 221	Marketing Communication	12	1	Core
	Electives (1 Course)			
MK 225	Industrial Marketing	12	1	Elective
AC 200	Managerial Accounting	12	1	Elective
TOTAL CREDITS (FIRST SEMESTER)		**72**		
Semester 2, Year 2				
MK 202	Retailing Management	12	2	Core
MK 228	Digital Marketing II*	12	2	Core
GM 200	Business Law and Ethics	12	2	Core
MK 226	Pricing Decisions	12	2	Core
MK 201	International Marketing	12	2	Core
	Electives (1 course)			
MK 229	Marketing and Data Analytics	12	2	Elective
MK 223	Distribution and Logistics Management	12	2	Elective
Total Credits (Second Semester)		**72**		
Grand Total Credits (Second Year)		**144**		
Semester 1, Year 3				
MK 333	Internship	36	1	Core
GM 300	Strategic Management*	12	1	Core
FN 250	Financial Literacy*	N/A	1	Core

Code	Course Title	Credits	Semester	Status
MK 325	Publicity and Public Relations*	12	1	Core
MK 329	Social Marketing*	12	1	Core
TOTAL CREDITS (FIRST SEMESTER)		**72**		
Semester 2, Year 3				
MK 300	Strategic Marketing	12	2	Core
MK 326	Marketing of Services	12	2	Core
MK 324	Management Consulting	12	2	Core
MK 330	Relationship Marketing	12	2	Core
MK 301	Entrepreneurship Development	12	2	Core
	Electives (1 course)			
MK 331	Brand Management	12	2	Elective
MK 332	Advertising and Sales Promotion	12	2	Elective
MK 336	Business Planning	12	2	Elective
Total Credits (SECOND SEMESTER)		**72**		
Grand Total Credits (THIRD YEAR)		**144**		
TOTAL FOR THE PROGRAMME		**432**		

Courses offered online in terms of delivery while the assessment is done physically

Bachelor of Commerce in Tourism Management (Bcom TM)

Code	Course Title	Credits	Semester	Status
Semester 1, Year 1				
FN 100	Principles of Micro Economics	12	1	Core
DS 114	Development Perspectives I*	12	1	Core
IM 100	Information and Communication Technology	12	1	Core
MK 100	Introduction to Business	12	1	Core
AC 100	Principles of Accounting I	12	1	Core
TH100	Tourism Management	12	1	Core
	TOTAL CREDITS (FIRST SEMESTER)	**72**		
Semester 2, Year 1				
TH 101	Hospitality Management	12	2	Core
FN 101	Principles of Macroeconomics Analysis	12	2	Core
AC 101	Principles of Accounting II	12	2	Core
MK 101	Principles of Marketing	12	2	Core
DS 115	Development Perspective II*	12	2	Core
MK 103	Business Communication	12	2	Core
Total Credits (SECOND SEMESTER)		**72**		
Grand Total Credits (FIRST YEAR)		**144**		
Semester 1, Year 2				
HR 201	Human Resource Management	12	1	Core
GM 200	Business Law and Ethics	12	1	Core
IM 200	Quantitative Methods for Business Decisions	12	1	Core

Code	Course Title	Credits	Semester	Status
TH 216	Leisure and Recreation Management	12	1	Core
TH 212	Consumer Behaviour in Tourism	12	1	Core
TH 218	Tourism Service Management	12	1	Core
TOTAL CREDITS (FIRST SEMESTER)		**72**		
Semester 2, Year 2				
TH 213	Nature-Based Tourism	12	2	Core
TH 214	Tour Guiding and Interpretation	12	2	Core
TH 215	Tourism Marketing	12	2	Core
TH 205	Travel Agency and Tour Operations	12	2	Core
	Electives (2 courses)			
TH 219	Cultural and Heritage Tourism Business Management	12	2	Elective
TH 217	International Tourism Management	12	2	Elective
MK 201	International Marketing	12	2	Elective
Total Credits (Second Semester)		**72**		
Grand Total Credits (Second Year)		**144**		
Semester 1, Year 3				
TH 333	Internship	24	1	Core
GM 300	Strategic Management*	12	1	Core
TH 316	e-Tourism*	12	1	Core
TH 318	Tourism Corporate Social Responsibility and Governance*	12	1	Core
TH 304	Sustainable Tourism Development*	12	1	Core
FN 250	Financial Literacy*	N/A	1	Core
TOTAL CREDITS (FIRST SEMESTER)		**72**		
Semester 2, Year 3				
TH 303	Tourism and Hospitality Marketing Research	12	2	Core
TH 310	Tourism Transportation Management	12	2	Core
TH 312	Tourism Policy and Planning	12	2	Core
TH 315	Management of Tourism Operations	12	2	Core
	Elective (2 electives)			
TH 302	Events Management	12	2	Elective
TH 301	Contemporary Tourism Management	12	2	Elective
TH 314	Destination Branding	12	2	Elective
Total Credits (SECOND SEMESTER)		**72**		
Grand Total Credits (THIRD YEAR)		**144**		
TOTAL FOR THE PROGRAMME		**432**		

**Courses offered online interms of delivery while the assessment is done physically*

DEPARTMENT OF GENERAL MANAGEMENT

Bachelor of Commerce in Human Resources Management

First Year: First Semester

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
FN 100	Principles of Microeconomic Analysis (Prerequisite Admissible into BCom)	12	1	Core
IM 102	Business Mathematics (Prerequisite Admissible into BCom)	12	1	Core
IM 100	Information and Communications Technology (Prerequisite Admissible into BCom)	12	1	Core
AC 100	Principles of Accounting I (Prerequisite Admissible into BCom)	12	1	Core
MK 100	Introduction to Business (Prerequisite Admissible into BCom)	12	1	Core
Total First Semester Credits		**72**		
Second Semester				
GM 100	Principles and Practice of Management (Prerequisite Admissible into BCom)	12	2	Core
FN 101	Principles of Macroeconomics Analysis (Prerequisite: FN 100)	12	2	Elective
HR 104	Principles and Practices of Human Resources Management	12	2	Core
HR 113	Organization Theory and Design	12	2	Core
MK 101	Principles of Marketing (Prerequisite MK 100)	12	2	Core
DS 115	Development Perspectives II	12	2	Core
MK 103	Business Communication	12	2	Core
Total Second Semester Credits		**72**		
Total First Year Credits		**144**		
Second Year: First Semester				
HR 205	Compensation Management	12	1	Core
IM 200	Quantitative Methods for Business Decisions (Prerequisite IM 102)	12	1	Core
FN 200	Principles of Finance (Prerequisite AC 100)	12	1	Core
HR 215	Recruitment and Selection	12	1	Core
HR 200	Organization Behaviour (Prerequisite GM 100)	12	1	Core
HR 211	Labour Laws	12	1	Core
Total First Semester Credits		**72**		

Code	Course Title	Credits	Semester	Status
Second Semester				
HR 218	Perfomance Management	12	2	Core
IM 205	Business Research Methods (Prerequisite GM 100 and IM 200)	12	2	Core
HR 203	Human Resource Planning and Development (Prerequisite HR 200)	12	2	Core
GM 200	Business Law and Ethics (Prerequisite GM 100)	12	2	Core
HR 202	Industrial Relations (Prerequisite GM 100)	12	2	Core
HR 209	Human Resource Information Systems	12	2	Core
Total Second Semester Credits		**72**		
Total Second Year Credits		**144**		
Field Practical with Research Component				
Third Year: First Semester				
GM 333	Practical Training with Research Component	52	1	Core
GM 300	Strategic Management (Prerequisite GM 100)	12	1	Core
FN 250	Financial Literacy	NA		Core
Total First Semester Credits		**64**		
MK 336	Business Planning	12	2	Core
HR 316	Occupational Health and Safety (Prerequisite GM100)	12	2	Core
HR 317	International Human Resources Management (Prerequisite GM 100)	12	2	Core
HR 312	Organization Development	12	2	Core
HR 330	HRM Metrics and Analytics	12	2	Core
One Elective course from the following:				
HR 320	Strategic Human Resources Management	12	2	Elective
MK 301	Entrepreneurship Development	12	2	Elective
Total Second Semester Credits		**72**		
Total Third Year Credits		**136**		
Total BCom in Human Resources Management Degree Credits		**424**		

Bachelor of Business Administration

First Year: First Trimester

Code	Course Title	Credits	Trimester	Status
BAC 100	Principles of Accounting I	12	1	Core
BBS 100	Introduction to Business	12	1	Core
BBS 101	Business Communication	12	1	Core
BIM 100	Elementary Business Mathematics	12	1	Core

Code	Course Title	Credits	Trimester	Status
Total First Trimester Credits		**48**		
Second Trimester				
BAC 101	Principles of Accounting II	12	2	Core
BBS 102	Principles and Practices of Management and Administration	12	2	Core
BBS 103	Business Environment I	12	2	Core
BEC 100	Microeconomics	12	2	Core
BIT 100	Introduction to Information Technology and Information Systems	12	2	Core
Total Second Trimester Credits		**60**		
Second Year: First Trimester				
BAC 102	Management Accounting	12	3	Core
BBS 104	Business Environment II	12	3	Core
BEC 101	Macroeconomics	12	3	Core
BIM 101	Quantitative Methods for Business Decision Making	12	3	Core
Total First Trimester Credits		**48**		
Second Trimester				
BFN 102	Introduction to Business Law	12	1	Core
BFN 201	Introduction to Financial Management	12	1	Core
BIT 200	Management Information Systems	12	1	Core
BMK 200	Principles of Marketing	12	1	Core
Total Second Trimester Credits		**48**		
BBS 203	Business Policy and Strategic Management	12	2	Core
BHR 200	Human Resources Management	12	2	Core
BMK 201	Small Business and Entrepreneurship	12	2	Core
BMK 202	Marketing Research	12	2	Core
Total Third Trimester Credits		**48**		
Third Year: First Trimester				
BAC 200	Taxation	12	3	Core
BFN 202	Financial Statement Analysis	12	3	Core
BMK 203	Business Planning and Development	12	3	Core
BMK 204	Marketing of Services	12	3	Core
Total First Trimester Credits		**48**		
Second Trimester				
BFN 300	Financial Management for Small Business	12	1	Core
BFN 301	Insurance and Risk Management	12	1	Core
BMK 300	Marketing for Small Business	12	1	Core
BMK 302	International Marketing	12	1	Core

Code	Course Title	Credits	Trimester	Status
Total Second Trimester Credits		**48**		
Third Trimester				
BPW 333	Project Work	48	2	Core
Total Third Trimester Credits		**48**		

Bachelor of Commerce in Procurement and Supply Chain Management

First Year: First Semester

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
FN 100	Principles of Microeconomic Analysis	12	1	Core
IM 102	Business Mathematics	12	1	Core
IM 100	Introduction to Information and Communications Technology	12	1	Core
AC 100	Principles of Accounting I	12	1	Core
MK 100	Introduction to Business	12	1	Core
Total First Semester Credits		**72**		
Second Semester				
GM 100	Principles and Practice of Management	12	2	Core
FN 101	Principles of Macro-Economics Analysis	12	2	Core
AC 101	Principles of Accounting II	12	2	Core
MK 101	Principles of Marketing	12	2	Core
DS 115	Development Perspectives II	12	2	Core
CL 108	Business Communication	12	2	Core
	Total Second Semester Credits	72		
Total First Year Credits		**144**		
Second Year: First Semester				
AC 200	Management Accounting	12	1	Core
IM 200	Quantitative Methods for Business Decisions	12	1	Core
FN 200	Principles of Finance	12	1	Core
IM 220	Fundamentals of Procurement and Supply Chain Management	12	1	Core
HR 200	Organizational Behaviour	12	1	Core
IM 229	Public Procurement Management	12	1	Core
Total First Semester Credits		**72**		
Second Semester				
AC 202	Management Accounting II (Prerequisite AC 101 and AC 200)	12	2	Core
IM 205	Business Research Methods	12	2	Core
GM 200	Business Law and Ethics (Prerequisite GM 100)	12	2	Core

Code	Course Title	Credits	Semester	Status
MK 223	Distribution and Logistics Management	12	2	Core
IM 231	Warehouse and Inventory Management	12	2	Core
IM 203	Procurement Management	12	2	Core
Total Second Semester Credits		**72**		
Total Second Year Credits		**144**		
Field Practical with Research Component				
Third Year: First Semester				
GM 333	Practical Training in Procurement and Supply Chain Management	8	1	Core
GM 300	Strategic Leadership in Procurement and Supply Chain Management	12	1	Core
IM 342	International Procurement Management	12	1	Core
IM 325	Transportation Management	12	1	Core
IM 339	Operations Management	12	1	Core
GM 301	Project Management	12	1	Core
AC 311	Corporate Governance and Social Responsibility	12	1	Elective
MK 336	Business Planning (Prerequisite AC 101, FN 101 and MK 101)	12	1	Elective
Total First Semester Credits		**80**		
Second Semester				
MK 301	Entrepreneurship	12	2	Core
IM 320	Procurement Ethics	12	2	Core
IM 317	Negotiation and Contract Management	12	2	Core
IM 344	Procurement Auditing and Assurance Services	12	2	Core
IM 354	Port and Terminal Operations Management	12	2	Core
IM 306	E-Commerce and Supply Chain Information Management	12	2	Core
IM 354	Port and Terminal Operations Management	12	2	Elective
MK 324	Management Consulting Skills (Prerequisite GM 100)	12	2	Elective
Total Second Semester Credits		**72**		
Total Third Year Credits		**152**		
Degree Credits		**440**		

Bachelor of Business Administration in Procurement and Logistics Management (Evening)

Year 1: Semester 1				
BAC 100	Principles of Accounting I	12	1	Core
BIM 100	Business Mathematics	12	1	Core
BMK 100	Principles of Marketing	12	1	Core

BPL 100	Fundamentals of Logistics and Supply Chain Management	12	1	Core
BBS 111	Foundation to Business Administration	12	1	Core
Total Year 1 Semester 1 Credits		**60**		
Year 1: Semester 2				
BEC 100	Micro Economics	12	2	Core
BAC 101	Principles of Accounting II	12	2	Core
BBS102	Principles of Management and Administration	12	2	Core
BBS 105	Business Environment	12	2	Core
BFN 100	Principles of Finance	12	2	Core
BBS 112	Business Communication and Negotiation Skills	12	2	Core
Total Year 1 Semester 2 Credits		**72**		
Total Year 1 Credits		**132**		

Code	**Course Title**	**Credits**	**Semester**	**Status**
Year 2: Semester 1				
BIM 200	Quantitative Methods for Decision Making	12	1	Core
BEC 201	Macro-Economics	12	1	Core
BPL 203	Procurement Management	12	1	Core
BPL 204	Procurement Contracts Management	12	1	Core
BBS 205	Organizational Behaviour	12	1	Core
T 205	Management Information System	12	1	Core
Total Year 2 Semester 1 Credits		**72**		

Code	Course Title	Credits	Semester	Status
Year 2: Semester 2				
BAC 200	Management Accounting	12	2	Core
BBS 202	Business Law and Ethics	12	2	Core
BBS 206	Business Research Methods and Practice	12	2	Core
BPL 208	Warehouse and Inventory Management	12	2	Core
BPL 209	Public Procurement Management	12	2	Core
Total Year 2 Semester 2 Credits		60		
Total Year 2 Credits		132		
Year 3: Semester 1				
BBS 300	Strategic Management	12	1	Core
BPL 301	Logistics and Transportation Management	12	1	Core
BMK 305	Distribution Management	12	1	Core
BPL 307	Project Planning and Management	12	1	Core
BPL 308	Production and Operations Management	12	1	Core

Code	Course Title	Credits	Semester	Status
BIP 333	Industrial Project Work	18	1	Core
Total Year 3 Semester 1 Credits		**78**		
Year 3: Semester 2				
BIT 306	E-Procurement and Software Applications	12	2	Core
BMK 307	Entrepreneurship and Business development	12	2	Core
BMK 309	Management Consulting Skills	12	2	Core
BPL 314	Ethics in Procurement	12	2	Core
BPL 315	Procurement Auditing and Assurance Services	12	2	Core
Select one elective course from the following:				
BPL 353	Green Logistics	12	2	Elective
BHR 300	Total Quality Management	12	2	Elective
BPL 354	Port and Terminal Operations Management	12	2	Elective
Total Year 3 Semester 2 Credits		**72**		
Total Year 3 Credits		**150**		
Total BBA in Accounting and Finance Degree Credits		**414**		

UDBS STAFF LIST

DEAN'S OFFICE

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I. M. Twallib, Cert. (VETA)

Driver
S. Lilanga, Cert. (VETA)

Clerical Officer
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F.C. Malamsha, Dip. (TPSC)

Office Attendant
B. F. Muhundi, Cert. (VETA)
D. E. Chale, Cert. (NBAA)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

SCHOOL OF EDUCATION (SoED)

INTRODUCTION

The School of Education (SoED) is one of the seven schools of the University of Dar es Salaam. It is located at the Mwalimu Julius Kambarage Nyerere Main Campus, on Changanyikeni Road. The School comprises three departments, namely the Department of Educational Psychology and Curriculum Studies (EPCS), the Department of Educational Foundations, Management and Lifelong Learning (EFMLL) and the Department of Physical Education and Sport Sciences (PESS). The School in collaboration with the Institute of Gender Studies in now offering Bachelor of Arts in Gender Studies and Community Development, henceforth it is now offering a total of six undergraduate degree programmes leading to the following awards:

(i) Bachelor of Education (Psychology) (BEd Psychology)
(ii) Bachelor of Education (Commerce) (BEd Com)
(iii) Bachelor of Education (Early Childhood Education) (BEd ECE)
(iv) Bachelor of Education (Adult and Community Education) (BEd ACE)
(v) Bachelor of Sports Sciences and Physical Education (BSSPE)

Additionally, the School offers professional teacher preparation courses to BAEd and BScEd students registered in education degree programmes falling under the the College of Social Science (CoSS), College of Humanities (CoHU) and College of Natural and Applied Sciences (CoNAS) respectively. Furthermore, the School of Education offers courses for secondary school teachers and other professional education personnel at postgraduate level including postgraduate Diploma in Education, Masters in Education and PhD in education.

Course Codes

The courses offered in the School of Education bear the following codes:
AE: Adult and Community Education courses;
CT: Curriculum and Teaching courses;
EA: Educational Planning and Administration courses;
EF: Educational Foundations courses;
EP: Educational Psychology courses;
FE: School wide Research Methodology courses;
PE: Physical Education and Sport Sciences Courses;
GS: Gender Studies.

The School of Education Bachelor courses bear 100, 200 and 300 series for first, second- and third-year courses respectively. The distribution of course credits in various units is as follows:

First Year Courses

First year Bachelor of Education students shall register for Adult and Community Education, Education, -Commerce, Physical Education, Psychology streams and Gender Studies and Community Development. The maximum number of credits for each stream for first year is 144, while the minimum number of units is 120.

Second Year Courses

The maximum number of credits during this year of study shall be 144, while the minimum number of credits shall be 120. Students registered for Bachelor of Education (Adult and Community Education, and Commerce) shall take a minimum of 84 credits from the School of Education and maximum of 36 credits from CoSS, CoHU, CoNAS and UDBS as appropriate.

Third Year Courses

Third Year Bachelor of Education students shall take a minimum of 84 credits from the School of Education and a minimum of 36 credits from CoSS, CoHU, CoNAS and UDBS as appropriate. The maximum number of credits for this year of study shall be 144.

NB: BAEd and BScEd students shall take a minimum of 144 credits in their course of study from the School of Education to be able to be awarded their respective degrees.

School Examination Regulations

The following regulations shall apply to all students taking education courses in the School of Education:

1. All candidates will be required to take and pass examinations in all the registered courses in any particular semester.
2. Practical Course/Fieldwork in PESS: Any student who fails any component of a practical course or fieldwork shall be deemed to have failed the course.
3. Grading shall be given by one of the letter grades A, B+, B, C, D, E. For averaging purposes, the grades shall have the numerical value of 5, 4, 3, 2, 1 and 0 respectively. The pass grade in each of the courses taken shall be "C". The grade for an absolute fail shall be "E".
4. A minimum of 360 credits shall be used to calculate the final degree standing.
5. Courses shall be weighted by multiplying the final grade of a given course by the number of its course credits, and a candidate's overall performance will be computed by dividing the total course credits into the weighted total for all courses.
6. Coursework marks for theory courses shall be 40 percent while final examinations will be awarded 60%. All methods course shall be awarded 50 percent for coursework and 50 percent for final examinations.
7. A candidate who fails some courses at D or E but attains a GPA not below 1.8 will be required to supplement the failed courses.
8. Where a candidate fails a supplementary examination, s/he shall be allowed to carry over the failed courses provided s/he attains an average GPA of 2.
9. A candidate's final standing in the BEd degree will be determined by the weighted average of all first to third year course marks, including Teaching Practice/Practical Training grades. Except where the regulation allows, the final standing shall not be computed unless all the papers and Teaching Practice/Practical Training have been passed.
10. The final BEd degrees shall be graded as first class, upper second, lower second and pass. These categories shall be awarded as follows:
    First Class: An overall average of 4.4 or higher
    Upper Second: An overall average in the range of 3.5-4.3
    Lower Second: An overall average in the range of 2.7-3.4
    Pass degree: An overall average of between 2.0 and 2.6
11. In each case, the average point shall be calculated on the basis of rounding off to one decimal place (e.g. 4.39 shall be taken as 4.3).

Programme Synopsis

Bachelor of Education in Adult and Community Education (Bed ACE)

The Bachelor of Education in Adult and Community Education is a three-year programme offered by the School of Education in the Department of Educational Foundations Management and Lifelong Learning. The programme aims at preparing specialists in the area of adult and community education and development, capable of: demonstrating knowledge and skills in adult and community education methods; designing and developing education and community-based programmes for primary and secondary school dropouts and other categories of people who may not, for various reasons, have access to formal education and training; using knowledge and skills learnt to enhance adult and extension

outreach education as a field of study and practice; demonstrating ability to design, initiate and conduct research on community development needs; and extending knowledge and other educational resources and render possible services to the community.

Code	Course Title	Credits	Semester	Status
First Year				
EP 101	Principles of Education	12	1	Core
EF 100	Introduction to Educational Psychology	12	1&2	Core
DS 112	Development Perspectives I	12	1	Core
CL 106	Communication Skills	12	2	Core
CT 100	Introduction to Teaching	12	2	Core
CT 102	Computer Literacy for Teachers	12	2	Core
AE 103	Psychology of Adult Learning and Teaching	12	2	Core
AE 104	Foundations of Adult and Community Education	12	1	Core
CT 101	Teaching Practice I	12	2	Core
XXX	Teaching Subjects from CoSS/CoHU/CoNAS/IKS	36	1&2	Core
Second Year				
CT 200	Principles of Curriculum Development and Teaching	12	1	Core
CT 201	Educational Media and Technology	12	1	Core
EF 200	History of Education	12	1	Core
CTX*	Teaching Methodology Course	12	1	Core
DS 113	Development Perspectives II	12	1	Core
XXX	Teaching Subjects from CoSS / CoHU /CoNAS/ IKS	36	1&2	Core
AE 202	Adult Basic Education and Training	12	1	Core
AE 204	Principles of Open and Distance Learning	12	2	Core
AE 205	Community Education and Rural Transformation	12	1	Core
CT 202	Teaching Practice II	12	2	Core
Elective I (Electives):		12	2	Core
AE 206	Community-Based Research	12	2	Elective
AE 207	Community Education and Social Change	12	2	Elective
AE 208	Gender Education and Development	12	2	Elective
EP 206	Theoretical Perspectives to Counselling	12	2	Core
Third Year				
EP 300	Educational Measurement and Evaluation	12	1&2	Core
EA 300	Management of Education and School Administration	12	1	Core
EP 302	Research Methods in Education	12	1	Core

Code	Course Title	Credits	Semester	Status
EF 303	Professionalism and Ethics in Education	12	2	Core
AE 306	Contemporary Issues in Lifelong Learning	12	2	Core
AE 308	Human Relations for Community Educators	12	2	Core
AE 307	Practicum in Adult and Community Education	12	2	Core
AE 202	Adult Basic Education and Training	36	1&2	Core
Electives (2) (Electives):		24	2	Elective
AE 301	Human Rights Education	12	2	Elective
AE 300	Management of Adult Education Programmes	12	2	Elective
AE 303	Educations and Training in Work Organisation	12	2	Elective
AE 304	Tutoring in Open and Distance Learning	12	2	Elective
EF 300	Philosophy of Education	12	1	Elective
EF 301	Sociology of Education	12	2	Elective
EF 302	Comparative and International Education	12	2	Elective

Bachelor of Education in Commerce (BEdCom)

The Bachelor of Education in Commerce is a three-year programme aimed at preparing graduate teachers, educators, planners and managers in the area of Commerce. Students are registered in the School of Education in the Department of Educational Foundations Management and Lifelong Learning. Apart from taking courses in the area of Commerce Education from the Department of Educational Foundations Management and Lifelong Learning, students registered for this programme also take some specified courses (teaching subjects) from the University of Dar es Salaam Business School as well as university-wide courses, proposed in the programme structure.

Code	Course Title	Credits	Semester	Status
First Year				
EF 100	Principles of Education	12	1	Core
EP 101	Introduction to Educational Psychology	12	2	Core
DS 112	Development Perspectives I	12	1	Core
CL 108	Business Communication	12	1	Core
EA 100	Introduction to Microeconomics of Education	12	1	Core
BM 102	Introduction to Business	12	1	Core
AC 100	Principles of Accounting I	12	1	Core
AC 101	Principles of Accounting II	12	1	Core
EA 101	Approaches to Educational Planning	12	2	Core
CT 100	Introduction to Teaching	12	2	Core
CT 101	Teaching Practice I	12	2	Core
CT 102	Computer Literacy for Teachers	12	2	Core

Code	Course Title	Credits	Semester	Status
Second Year				
CT 200	Principles of Curriculum Dev. and Teaching	12	1	Core
CT 201	Educational Media and Technology	12	1	Core
CT 208	Commerce Teaching Methods	12	1	Core
EF 200	History of Education	12	1	Core
EA 200	Human Resources Dev. in Educational Organizations	12	1	Core
DS 113	Development Perspectives II	12	1	Core
AC 200	Managerial Accounting I	12	2	Core
MK 200	Principles of Marketing	12	2	Core
FN 202	Introduction to Financial Management	12	2	Core
EA 201	School Governance	12	2	Core
CT 202	Teaching Practice II	12	2	Core
Elective 1 (Electives):				
AE 204	Principles of Open and Distance Learning	12	2	Elective
EP 206	Theoretical Perspectives to Counselling	12	1	Elective
CT 203	Pedagogy of Teacher Education	12	2	Elective
Third Year				
EP 300	Educational Measurement and Evaluation	12	1	Core
EA 300	Management of Educ. and School Admin.I	12	1	Core
EA 302	Admin. & Organizational Behaviour in Educ.	12	1	Core
EP 302	Research Methods in Education	12	1	Core
EA 303	Micro-Economics of Education and Finance	12	1	Core
EA 305	Management of Educ. School Admin. II	12	2	Core
EF 303	Professionalism and Ethics in Education	12	2	Core
IM 305	Management Information Systems	12	2	Core
MK 301	Small Business and Entrepreneurship	12	2	Core
MK 307	Business Plan Development	12	2	Core
Electives 2 (Electives)		*24*	*1&2*	*Elective*
EF 300	Philosophy of Education	12	1	Elective
EF 302	Comparative and International Education	12	2	Elective
EF 301	Sociology of Education	12	2	Elective
AE 301	Human Rights Education	12	2	Elective

Bachelor of Sport Science and Physical Education (BSSPE)

The Bachelor of Sport Sciences and Physical Education is a three-year undergraduate programme designed to prepare competent and versatile professionals for careers in teaching sports studies and physical education, sport science, sport development, administration, and management. The programme equips students with theoretical knowledge, practical skills, professional competencies, and pedagogical expertise necessary to contribute effectively to the development and delivery of Sports sciences at various levels.

Students enrolled in the programme are registered in the School of Education, Department of Physical Education and Sport Sciences. The programme combines specialised courses in and Sport Sciences Physical Education offered by the Department with selected teaching-subject courses offered through the University of Dar es Salaam School of Education, enabling students to develop both subject-matter expertise and the pedagogical competencies required for effective teaching.

In addition, students undertake specified University-wide courses designed to broaden their academic, professional, and transferable competencies. The programme therefore provides an integrated educational experience that combines sport sciences, physical education, pedagogy, professional practice, and broader university education. Through this structure, graduates are prepared to pursue careers as sports studies teachers, physical education teachers, games tutors, sport instructors, sport educators, sport development practitioners, coaches, sport administrators and managers and other professionals in the sport and education sectors.

Code	Course Title	Credits	Semester	Status
Educational Courses				
EP 101	Educational Psychology	8	1	Core
EF 102	Phylosophy of Education	8	1	Core
EF 103	Sociology of Education	7	2	Core
EP 105	Inclusive Education	8	2	Core
First Year				
Common Courses				
DS 114	Development Perspectives I	12	1	Core
Sport Studies				
PE 106	Track and Field Athletics	10	1	Core
PE 113	Gymnastics and Traditional Games	9	1	Core
PE 114	Adapted Physical Education and Paralympic Sport	10	1	Core
Physical Education				
PE 112	Philosophy and History of Physical Education and Sports	9	1	Core
Common courses				
DS 115	Development Perspective II	12	2	Core
Physical Education				
PE 101	Human Anatomy and Physiology	10	2	Core
PE 115	Exercise Physiology	10	2	Core
Sport Studies				

PE 109	Swimming and Life Saving	10	2	Core
PE 110	Volleyball and Soccer	10	2	Core
Second Year				
Educational Courses				
CT 200	Curriculum and Teaching	8	1	Core
EF 201	Professional Communication for Teachers	6	1	Core
EP 210	Education Assessment and Evaluation	8	1	Core
Sport Studies				
PE 210	Basketball and Netball	10	1	Core
Physical Education				
PE 212	Sport, Society and Development	12	1	Core
PE 215	Biomechamics in Physical Education and Sport	10	1	Core
PE 219	Measurement and Evaluation in Physical Education and Sport	10	1	Core
Common courses				
*FN 250	Financial Literacy			
Sport Studies				
PE 218	Racket Games (Tennis and Table Tennis)	10	2	Core
PE 220	Theory and Methods of Sport Training	10	2	Core
Physical Education				
PE 222	Sport and Exercise Psychology	10	2	Core
Education Courses				
EF 201	Teacher's and Professionalism	8	2	Core
EA 202	Instructional Leadership	7	2	Core
EP 211	Classroom Action Research	6	2	Core
Electives (1)				
PE 211	Legal and Ethical Issues in Physical Education and Sports	9	2	Elective
PE 221	Badminton and Handball	10	2	Elective
Third year				
Sport Studies				
PE 313	Sport Injury Management and Rehabilitation	10	1	Core
Physical Education				
PE 314	Research in Physical Education and Sport	10	1	Core

PE 315	Entrepreneuership, Marketing and Sport Journalism	10	1	Core
Elective				
PE 217	Fitness and Aerobics	9	1	Elective
Education Courses				
CT 385	Secondary Education Sport Studies Methods I			
	Preteaching activities	4	1	Core
	Immersive Simulated Teaching	6	1	Core
CT 386	Secondary Education Physical Education Methods I			
	Preteaching activities	4	1	Core
	Immersive Simulated Teaching	6	1	Core
Sport Studies				
PE 316	Outdoor Sports, Recreation Leisure and Tourism	9	2	Core
Physical Education				
PE 310	Organization and Admin. of Physical Education and Sports	10	2	Core
CT 387	Secondary Education Sport Studies Methods 2			
	Cycle 1: Observational and Co-Teaching	6	2	Core
	Cycle 2: Lesson Planning and Implementation	8	2	Core
	Cycle 3: Lesson Planning and Independent Teaching	12	2	Core
CT 388	Secondary Education Physical Education Methods 2			
	Cycle 1: Observational and Co-Teaching	6	2	Core
	Cycle 2: Lesson Planning and Implementation	8	2	Core
	Cycle 3: Lesson Planning and Independent Teaching	12	2	Core

Bachelor of Education in Psychology (BEd Psy)

This programme aims at developing students' knowledge, understanding and application of theory and empirical research in psychology, as well as to facilitate the mastery of transferable generic skills that are essential in a variety of work settings. The programme will expose students to multiple perspectives of psychology, including educational, biological, cognitive, developmental, social and cultural perspectives. More specifically, the BED Psychology Programme aims to enable students to:

(a) Acquire general understanding of the basic principles and methods of psychology as a scientific discipline;
(b) Acquire and master a range of research skills in psychology;
(c) Apply psychological principles in facilitating teaching and learning in educational settings;
(d) Equip students with skills to provide psychological services to the Tanzanian community; including counselling, psychotherapy, screening and diagnosis and psychological testing.

Code	Course Title	Credits	Semester	Status
First Year				
EP 100	Introduction to Psychology	12	1	Core
EP 102	Methods of Studying Young Children's Behaviour	12	1	Core
EP 103	Human Development and Learning	12	1	Core
EF 100	Principles of Education	12	1	Core
CL 106	Communication Skills	12	1	Core
EP 101	Introduction to Educational Psychology	12	2	Core
EP 153	Emotional and Behavioural Disorders	12	2	Core
DS 112	Development Perspectives I	12	2	Core
CT 100	Introduction to Teaching	12	2	Core
CT 101	Teaching Practice I	12	2	Core
CT 102	Computer Literacy for Teachers	12	2	Core
Second Year				
DS 113	Development Perspectives	12	1	Core
CT 200	Principles of Curriculum Dev. and Teaching	12	1	Core
CT 201	Educational Media and Technology	12	1	Core
EP 201	Introduction to Social Psychology	12	1	Core
EP 206	Theoretical Perspectives in Counselling	12	1	Core
EP 209	Psychology of Aging	12	1	Core
EF 200	History of Education in East Africa	12	1	Core
EP 207	Practical Orientation to Counseling	12	2	Core
CT 202	Teaching Practice II	12	2	Core
EP 202	Principles of Early Childhood Educ. and Curriculum	24	2	Elective
Electives 2 (Electives)				
EP 221	Parenting Education	12	2	Elective
CT 203	Pedagogy of Teacher Education	12	2	Elective
AE 206	Community-Based Research	12	2	Elective
Third Year				
EA 300	Management of Education and School Admin	12	1	Core
EP 300	Educational Management and Evaluation	12	1	Core
EP 302	Research Methods in Education	12	1	Core
EP 305	Introduction to Gender Psychology	12	1	Core
EP 307	Psychology of Exceptionalities	12	1	Core
Programme Structure				
EF 303	Professionalism and Ethics in Education	12	2	Core

Code	Course Title	Credits	Semester	Status
EP 303	Psychology of Adolescence	12	2	Core
EP 310	Psychological Research Project	12	2	Core
Electives 1 (Electives)		*12*	*1*	*Elective*
EP 308	Early Childhood Education	12	2	Elective
EP 309	Psychological Testing and Assessment	12	2	Elective
AE 301	Human Rights Education	12	2	Elective
EF 300	Philosophy of Education	12	1	Elective
EF 301	Sociology of Education	12	2	Elective
EF 302	Comparative and International Education	12	2	Elective

Bachelor of Education in Early Childhood Education (BEd ECE)

This programme aims at preparing experts and practitioners in the fields of early childhood development, care and education with a view to guiding the development and delivery of early childhood services and education. More specifically, the programme aims to:

(a) Generate, promote and disseminate professional information, knowledge and skills on early childhood development and learning.

(b) Prepare experts for guiding and promoting early childhood services to meet the challenges of future developments.

(c) Prepare teachers and practitioners for early childhood educational institutions.

Course Code	Course Title	Credits	Semester	Status
First Year				
EP 100	Introduction to Psychology	12	1	Core
CT 102	Computer Literacy for Teachers	12	1	Core
EP 102	Methods of Studying Young Children's Behaviour	12	1	Core
EP 103	Human Development and Learning	12	1	Core
EP 124	Foundations of Early Childhood Education	12	1	Core
EF 100	Principles of Education	12	1	Core
CL 106	Communication Skills	12	1	Core
EP 101	Introduction to Educational Psychology	12	2	Core
EP 125	Early Childhood Education Practicum	12	2	Core
DS 112	Development Perspectives I	12	2	Core
CT 100	Introduction to Teaching	12	2	Core
CT 101	Teaching Practice I	12	2	Core
Second Year				
DS 113	Development Perspectives II	12	1	Core
CT 200	Principles of Curriculum Development and Teaching	12	1	Core
CT 201	Educational Media and Technology	12	1	Core

Course Code	Course Title	Credits	Semester	Status
EP 200	Human Development and School Learning	12	2	Core
EP 201	Introduction to Social Psychology	12	1	Core
EP 221	Parenting Education	12	2	Core
EP 222	Management of Early Childhood Educational Institutions	12	2	Core
EP 224	Monitoring and Measurement of Childhood Development Processes	12	1	Core
EF 200	History of Education in East Africa	12	1	Core
CT 202	Teaching Practice II	12	2	Core
Electives 2		*24*	*2*	*Elective*
Third Year				
EA 300	Management of Education and School Administration	12	1	Core
EP 300	Educational Management and Evaluation	12	1	Core
EP 302	Research Methods in Education	12	1	Core
EP 305	Introduction to Gender Psychology	12	1	Core
EP 307	Psychology of Exceptionalities	12	1	Core
EP 308	Early Childhood Education	12	1	Core
EP 320	Early Childhood Screening and Assessment	12	2	Core
EF 303	Professionalism and Ethics in Education	12	2	Core
EP 321	Communication Methods in Early Childhood	12	2	Core
EP 322	Pre-Literacy Development and Learning	12	2	Core
EP 323	Childhood Development, Health and Nutrition	12	2	Core
Electives 2 (Electives)		*24*	*2*	*Elective*
EP 301	Educational Statistics	12	1	Core
EP 308	Early Childhood Education	12	2	Elective
EP 309	Psychological Testing and Assessment	12	2	Elective
AE 301	Human Rights Education	12	2	Elective
EF 300	Philosophy of Education	12	2	Elective
EF 301	Sociology of Education	12	2	Elective
EF 302	Comparative and International Education	12	2	Elective

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

UNIVERSITY OF DAR ES SALAAM MBEYA COLLEGE OF HEALTH AND ALLIED SCIENCES (UDSM-MCHAS)

INTRODUCTION

The University of Dar es Salaam Mbeya College of Health and Allied Sciences was established in 2014 as the School of Health Sciences (SoH). The college is located in Mbeya, about 800 km from the main campus (Dar es Salaam). The main partners of the college are Mbeya Zonal Referral Hospital (MZRH), Mbeya Collage of Health and allied Sciences (Mbeya CoHAS) and National Institute of Medical Research (NIMR). Currently, the college offers two programes; Doctor of Medicine (MD) and Doctor of Dental Surgery (DDS).

Specific Requirements: Doctor of Medicine

Eligibility for admission into the MD programme will be as follows:

a) Direct Entrants

Three principal passes in Physics, Chemistry, and Biology with a minimum of 12 points whereby one must have at least D grade in Chemistry and Biology and Physics.

b) Equivalent Qualifications

i. Certificate of Secondary Education Examination (CSEE) with at least five (5) passes, including two credit passes in **Chemistry** and **Biology** and a 'D' grade in **Physics,** PLUS a Diploma in Clinical Medicine with an average of B or GPA 3.0 OR BSc (Lower Second) majoring in Physics/Mathematics, Chemistry, and Biology/Zoology.

ii. Principal level passes in Physics/Mathematics, Chemistry or Biology at "A" level will be an added advantage.

Specific Requirements: Doctor of Dental Surgery

(a) Direct Entrants

Three principal passes in Physics, Chemistry, and Biology with a minimum of 12 points where by one must have at least D grade in Chemistry and Biology and Physics.

(b) Equivalent Qualifications

i. Certificate of Secondary Education Examination (CSEE) with at least five (5) passes, including two credit passes in Chemistry and Biology and a 'D' grade in Physics, PLUS a Diploma in Clinical Dentistry with an average of B or GPA 3.0 OR BSc (Lower Second) majoring in Physics/Mathematics, Chemistry, and Biology/Zoology.

ii. Principal level passes in Physics/Mathematics, Chemistry or Biology at "A" level will be an added advantage.

1. **Regulations Governing the Award of the Doctor of Medicine (MD) and Doctor of Dental Surgery Degree**

Doctor of Medicine and Doctor of Dental Surgery are ten-semester (five years) competency-based programmes leading to MD and DDS degrees of the University of Dar es Salaam followed by a year of internship in approved hospitals. The 1st four semesters are largely devoted to basic Sciences and introduction to community training through fieldwork. The next six semesters are largely practical and consist of junior and senior clerkships as well as community health training.

2. **Examination Regulations**

The general University of Dar es Salaam examination rules and regulations shall apply.

2.1 Specific Regulations

2.1.1.1 Examination Regulations for the MD and DDS Programmes

i. The MD and DDS degrees are ten-semester programes and the maximum tenure shall be 14 semesters.

ii. Registration of full-time students shall be once at the beginning of each semester

iii. There shall be at least one continuous assessment test (CAT) and regular assessment of competencies for each course taught during each semester/rotation. The field reports shall also be marked and graded as CAT. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of semester or rotation examination, the Summative Assessment (SA).

iv. The FA shall contribute 50% of the final grade at the end of semester / rotation of University examinations.

v. The FA and SA shall consist of; written (theory paper, quizzes, final reports, assignments, presentations and other assignments) and practical/clinical components (global observation and rating of live/recorded performances, observation of procedures and rating, logbooks, OSPE, OSCE and other assessments). The proportional contribution for written and practical examinations will be 60% and 40% respectively for Basic Sciences and 40% and 60% respectively in Clinical Sciences.

vi. A candidate who passes the examination with a C grade or higher will be declared to have passed the examination. A candidate who scores a GPA of 2.8 or higher, but fails in some courses shall be required to supplement in the failed course(s).

vii. A candidate who obtains a GPA of less than 2.8 in an audit year shall be discontinued from studies.

viii. A candidate who fails in supplementary examination in basic sciences shall be allowed to carry-over the failed course (s) to the next academic audit year and appear for a second supplementary examination in the failed course (s) provided the GPA is 3.0 or higher. A candidate who fails the second supplementary shall be discontinued from studies.

ix. No candidate shall be allowed to proceed to the clinical year rotations unless and until he/she has passed all courses in semesters 1 to 4 of the programme.

x. A candidate who fails in a supplementary examination but has a GPA of 3.0 or higher in semester 3 and 4 shall be allowed to freeze registration and appear for the second supplementary examination when next offered and the maximum freezing period shall be 2 academic years. A student who fails to clear the failed course within the two academic years shall be discontinued.

xi. A candidate shall not be considered to have passed any clinical course unless and until he/she has passed 50% of the clinical component of final examination.

xii. A candidate who fails junior (semester 5&6) or intermediary (semester 7&8) clerkship clinical rotation examinations shall be required to do a supplementary rotation and pass before progressing to the next year of study. A candidate who fails senior clerkship clinical rotation (semester 9 & 10) shall be required to do a supplementary rotation after semester 10. The supplementary rotation is half the duration of that rotation.

xiii. The maximum tenure of the programmes of 14 semesters shall not be exceeded.

xiv. A candidate with incomplete coursework in any semester will not be allowed to sit for the final examination.

xv. A candidate who passes a supplementary examination shall be awarded a "C" grade.

xvi. A student shall be awarded the MD or DDS degree after passing all prescribed courses in the respective programme.

2.1.2 Grading System

Computation of the GPA for the MD and DDS programmes shall be based on the number of credits approved for each course and shall be equated to the letter grade as shown below. However, the MD and DDS degrees shall not be classified:

Letter grade	A	B+	B	C	D	E
Percent	75-100	70-74.9	60-69.9	50-59	40-49	00-39.9
Grade point range	4.5-5.0	4.4-4.49	4.0-4.39	3.0-3.9	2.0-2.9	00-1.9
Remarks	Excellent (Distinction)	Very Good (Credit)	Good (Pass)	Satisfactory (Pass)	Fail	Fail

2.1.3 Regulation for Field Works and Reports

The students will do Medical research heath public project (RP 201) during semester 4. There will be a Communicable Disease Control (MD 301) during semester 5/6 for MD students. During semester 7/8 there will be Community Medicine (MC 401) fieldwork and Preventive and Community Dentistry (CD 401) fieldwork for MD and DDS students respectively as part of training in public health. These fieldworks shall be preceded by theoretical training, after which students will be assigned to dispensaries, health centers and DMO office for practical. Students will be required to produce reports for each part mentioned above within the prescribed semester.

There shall be an elective research study for every student and completed by the end of semester 8. Each student will be assigned to a supervisor, and will be required to choose a topic of his/her interest but approved by the supervisor. A student will carry out research on the topic by his/herself guided by the supervisor throughout all stages of conducting research from proposal development, acquisition of ethical approval, data collection, data analysis, report writing and dissemination of findings.

2.1.4. Calculation of Grade Point Average (GPA)

This is obtained by dividing the sum of the product of grade point (GP) and credit (C) for each course by the sum of the credits (C) from each of the courses offered during the audit year. For example:

Course	**Credit (C)**	**Score**	**Grade Point (GP)**	**GPxC**
Anatomy AN 101	13.8	60	2.713	37.4394
Biochemistry BC 101	10.7	70	3.5	37.45
Physiology PH 101	9.2	55	2.352	21.6384
Behavioural Sciences BS 101	10.4	72	3.54	36.816
DS101	4.6	74	3.58	16.468
Total	**48.7**			**149.8118**

GPA = ∑ (GPxC) ÷∑C = 149.8118 ÷48.7 =3.07 which is truncated to 3.0 (note that there is no rounding off when truncating)

Summary of the courses under the MD Programme

All courses under the programme will be compulsory/core courses. The courses shall be organized into 10 semesters (five years) as follows:

Course Code	Course Name	Credits	Semester
First Year			
AN 101	Human Anatomy	28.5	1
PH 101	Physiology	16.0	1
BC 101	Biochemistry	10.0	1
SA 101	Medical Sociology and Anthropology	6.5	1
DS 101	Development Studies	9.0	1
AN 101	Human Anatomy	20.0	2
BC 101	Biochemistry	17.5	2
PH 101	Physiology	18.0	2
MP 101	Medical Psychology	9.3	2
NC 101	Basic Communication Skills	5.2	2
Second Year			
MI 201	Microbiology and Immunology	12.5	3
PE 201	Medical Parasitology and Entomology	16.0	3
PG 201	Pathology	13.0	3
BE 201	Biostatistics and Epidemiology	12.5	3
PT 201	Clinical Pharmacology and Therapeutics	16.0	3
PG 201	Pathology	13.5	4
FT 201	Forensic Medicine and Toxicology	6.0	4
MI 201	Microbiology and Immunology	10.5	4
PS 201	Psychopathology	6.5	4
PF 201	Professionalism and Ethics	5.5	4
RP 201	Medical Research - Public Health Project	16.5	4
HB 201	Hematology and Blood Transfusion	12.0	4
ThirdYear			
IM 301	Internal Medicine	14.0	5&6
MS 301	Surgery	14.0	5&6
RO 301	Radiology and Nuclear Medicine	28.0	5&6
EM 301	Emergency Medicine	14.0	5&6
MH 301	Paediatric and Child Health	14.0	5&6
MG 301	Obstetrics and Gynaecology	14.0	5&6
OT 301	Orthopaedics Trauma and Neurosurgery	14.0	5&6
MD 301	Communicable Diseases Control	20.0	5&6
LE 301	Leadership and Enterpreneurship	8.0	5&6
FourthYear			
PS 401	Psychiatry	15.0	7 & 8
MC 401	Community Medicine	25.0	7 & 8
ME 401	MD Research Project	40.0	7 & 8
OL 401	Otorhinolaryngology	15.0	7 & 8
OP 401	Ophthalmology	15.0	7 & 8
MA 401	Anaesthesiology	15.0	7 & 8

Course Code	Course Name	Credits	Semester
EM 401	Emergency Medicine	15.0	7 & 8
Fifth Year			
IM 501	Internal Medicine	23.0	9 &10
MH 501	Paediatrics and Child Health	23.0	9 &10
MS 501	Surgery	23.0	9 &10
MG 501	Obstetrics and Gynecology	23.0	9 &10
OT 501	Orthopaedics, Trauma and Neurosurgery	23.0	9 &10
PS 501	Psychiatry	23.0	9 &10

Summary of the courses under the DDS Programme

All courses under the programme will be compulsory/core courses. The courses shall be organized into 10 semesters (five years) as follows:

Course Code	Course Name	Credits	Semester
First Year			
AN 101	Human Anatomy	28.5	1
PH 101	Physiology	16.0	1
BC 101	Biochemistry	10.0	1
SA 101	Medical Sociology and Anthropology	6.5	1
DS 101	Development Studies	9.0	1
AN 101	Human Anatomy	20.0	2
BC 101	Biochemistry	17.5	2
PH 101	Physiology	18.0	2
MP 101	Medical Psychology	9.3	2
NC 101	Basic Communication Skills	5.2	2
Second Year			
MI 201	Microbiology and Immunology	12.5	3
PE 201	Medical Parasitology and Entomology	16.0	3
PG 201	Pathology	13.0	3
BE 201	Biostatistics and Epidemiology	12.5	3
PT 201	Clinical Pharmacology and Therapeutics	16.0	3
PG 201	Pathology	13.5	4
FT 201	Forensic Medicine and Toxicology	6.0	4
MI 201	Microbiology and Immunology	10.5	4
PS 201	Psychopathology	6.5	4
PF 201	Professionalism and Ethics	5.5	4
RP 201	Medical Research - Public Health Project	16.5	4
HB 201	Hematology and Blood Transfusion	12.0	4

Course Code	Course Name	Credits	Semester
Third Year			
RN 301	Radiology and Nuclear Medicine	28.0	5 & 6
EM 301	Emergency Medicine	14.0	5 & 6
SU 301	Surgery	14.0	5 & 6
IM 301	Internal Medicine	14.0	5 & 6
MF 301	Basics of Oral and Maxillo-Facial Surgery	16.0	5 & 6
OR 301	Phantom-Orthodontic	13.5	5 & 6
OM 301	Phantom-Periodontology	13.5	5 & 6
OD 301	Phantom-Operative Dentistry	13.5	5 & 6
DM 301	Phantom-Applied Dental Materials	13.5	5 & 6
Fourth Year			
OL 401	Otorhinolaryngology	14.0	7 & 8
OM 401	Basics of Periodontology	14.0	7 & 8
PD 401	Prosthodontics I	14.0	7 & 8
OD 401	Clinical Operative Dentistry I	14.0	7 & 8
PW 401	Paediatric Dentistry I	14.0	7 & 8
MF 401	Applied Oral and Maxillo-Facial Surgery [Diagnosis]	14.0	7 & 8
CD 401	Preventive and Community Dentistry	28.0	7 & 8
CO 401	Clinical-Orthodontic I	14.0	7 & 8
CP 401	Prosthodontics I	14.0	7 & 8
Fifth Year			
OD 501	Clinical-Operative Dentistry II	23.3	9 & 10
CO 501	Clinical Orthodontics II	23.3	9 & 10
PD 501	Prosthodontics II	23.3	9 & 10
MF 501	Applied Oral and Maxillo-Facial Surgery II	23.3	9 & 10
OM 501	Clinical Periodontology	23.3	9 & 10
PW 501	Paediatric Dentistry II	23.3	9 & 10

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*On Study leave

UNIVERSITY OF DAR ES SALAAM SCHOOL OF LAW (UDSoL)

INTRODUCTION

The University of Dar-es-Salaam School of Law (UDSoL) has three Departments, which superintend the various courses that are offered to candidates. These are the Department of Public Law, the Department of Private Law and the Department of Economic Law. Each Department superintends the teaching and management of specified courses.

Programmes Offered

The School offers the following undergraduate programmes:

(i) Bachelor of Laws (LL.B.);
(ii) Bachelor of Arts in Law Enforcement (BA.LE); and
(iii) Certificate in Law (Cert. Law/CTL).

(A) Entry Requirements and Admission Process (Equivalent Qualifications)

1. The UDSoL Board may recommend for admission into the LL.B. or BA.LE Programme an applicant with a distinction grade/pass mark in the Certificate in Law Programme from the University of Dar es Salaam.
2. The recommendation by the Board may, among other criteria, consider the applicant's Pass mark at Ordinary and/or Advanced Secondary School education, where applicable.
3. Applicants for the L.L.B and BA.LE Programmes through the category of equivalent qualifications shall be only considered for admission from Institutions recognized by the Senate of the University of Dar-es-Salaam, on the recommendation of the UDSoL Board.

(B) Examination Regulations

UDSoL Regulations shall be read together with the General University Examination Regulations.

1. **Registration of Students**

Without prejudice to other rules or circulars relating to registration, all first-year students shall register with the UDSoL administration office during the orientation week.

2. **Conduct of Examinations**

(i) A student must have attended a minimum of 75% of the lectures and seminars (where offered) to be eligible to sit for the end of semester written examination in the course otherwise the Dean retains the power to bar any student's access to examination where the Dean is satisfied that the candidate does not qualify to sit for the examination as required by Regulations, either by reason of poor attendance in lectures and seminars or poor performance in coursework. A student who is so barred:
   (a) Shall be deemed to have failed the course at "E" grade;
   (b) Shall be required to carry over the course, subject to other Regulations.

(ii) Examinations for all courses shall normally be administered at the end of the semester.

(iii) Examiners may, where there are compelling reasons, with approval of the Deputy Vice Chancellor in charge of academics, arrange for examinations to be conducted at any time during the 1st semester or 2nd semester, as the case may be, provided candidates are given adequate notice of the examination in question.

(iv) Subject to these Regulations, a candidate shall do examinations in all courses prescribed for a particular examination session in the same examination session.

(v) Subject to these Regulations, examinations in the UDSoL shall only be held during University examination sessions and at no other time.

(vi) A candidate who, under these Regulations is not permitted to take a written examination in any course may be recommended for discontinuation or required to repeat a year as the case may be.

3. **Progress from Year to Year**
A candidate who fails to attain a GPA of 1.8 shall be discontinued from studies.

4. **Supplementing and Carrying over of Failed Courses**
   (i) A candidate failing in some courses in any one year shall be required to supplement, provided that the overall GPA is not less than 1.8.
   (ii) Supplementary examination shall be marked out of 60 and the coursework marks obtained earlier, if any, (out of 40) shall be added to the supplementary examination marks to give the student a "C", "D", or "E" grade.
   (iii) For the avoidance of doubt a course that has been supplemented will be awarded a maximum of "C" grade.
   (iv) A candidate who scored an overall GPA pass mark of 2.0 or above after Supplementary Examination, may be allowed to carry over flexibly into the subsequent academic years such number of failed courses as are requisite for the fulfilment of the requirement of passing a total minimum number of course units for the degree programme. The minimum overall GPA shall be calculated in accordance with the credits weighting of the individual courses. A candidate who does not meet these conditions shall be discontinued.
   (v) Carrying over failed courses into subsequent years shall imply repeating the failed courses in the subsequent years by fulfilling all requirements of the course and shall be assessed with the maximum obtainable grade being "C".
   (vi) Carryover of optional courses will only be allowed in exceptional circumstances, normally only when those credits are needed to get the minimum number of credits to qualify for the degree award.
   (vii) All carried over courses shall be cleared within the allowable maximum period of registration otherwise the student will be discontinued from studies. The maximum period of registration is five years for a programme that takes three years and six years for a four-year programme
   (viii) A candidate who has been permitted to supplement LW 400 (LL.B. Dissertation) shall do the same research topic under the same supervisor.
   (ix) Where a candidate fails a non-law course the applicable Regulations or rules on supplementary examination from the respective Unit, Department or Institute shall apply accordingly.

5. **GPA**
   (i) The minimum overall GPA shall be calculated in accordance with the unit weighting of the individual courses.
   (ii) A student shall be discontinued from studies at the University if he/she attains an overall GPA of less than 1.8. A student shall be discontinued from studies if, after sitting for supplementary examinations, he/she obtains a GPA of less than 2.0

6. **Special Examinations**
   (i) Special examinations given at the time of supplementary examinations will be treated as first sitting and graded as such;

(ii) A candidate who is required to sit for a special examination or who, for satisfactory reasons has not completed an important portion of his/her coursework, shall be awarded a "PEX" ("Postponed Exam") grade or "I" ("Incomplete") grade respectively;

(iii) A candidate who has been awarded a "PEX" or "I" grade is required to clear the course during the time of supplementary examinations for that academic year. Except with the approval of the School Board, any student with a "PEX" or "I" grade for a course that is not cleared at the time of the supplementary examinations will be considered to have absconded.

7. **Assessment**

(i) Course grade shall be based on an end-of-course examination and a coursework assessment. The coursework assessment shall constitute 40% of the marks of the total course assessment. Final examination shall constitute the other 60% of the marks.

(ii) A student who obtains less than 16/40 in his/her coursework grade shall be deemed to have failed the coursework, and shall be barred from taking the Examination in that course

(iii) A student who is so barred shall be required to carry over the course, subject to other applicable Regulations.

(iv) A student who fails the Examination but eligible to sit for a Supplementary Examination shall not retake coursework assessment.

8. **Examination Irregularity**

A candidate alleged to be involved in examination irregularities shall have his/her results withheld until final determination of the matter by the Senate.

9. **Examination Results in General**

(i) Internal Examiners shall individually submit marks and grades of each candidate in their respective courses to the Departmental or School Board of Examiners for checking of computational errors and for provisional publication of the semester's results;

(ii) The Departmental or School Examinations Officer shall bring to the attention of the internal examiner all cases of fundamental differences in marks and grades between the internal examiner and external examiner(s) in the course(s) the internal examiner is responsible for. The Departmental or School Examinations Officer shall also report such cases to the Departmental or School Board of Examiners for deliberation and/ or adjudication.

(iii) The Departmental or School Board shall assess the results in the respective Department and make recommendations to the Board of the UDSoL. In the event of any disagreement of a fundamental nature between an internal examiner and an external examiner on the marks and grade of a candidate the Board of Examiners of the UDSoL shall adjudicate upon the matter and make a recommendation to the Senate.

(iv) Where the Board of the UDSoL has endorsed the provisional examination results, specific marks or grades for coursework and written examinations in a course shall not be disclosed to a candidate.

10. **Publication of Grades**

(i) Each Department shall be required to process examination results of candidates at departmental level before submitting them to the Associate Dean responsible for examinations at the UDSoL for further processing to the Board of Examiners.

(ii) The Dean shall, before the commencement of the 2nd semester, publish provisional results in each course whose examination was done during the 1st semester.

(iii) Provisional examination results shall be published bearing only candidates' numbers and not their names, pending approval of the results by the Senate.

11. **Appeals**

(i) The Appeals Board of the UDSoL shall not entertain an appeal from a candidate unless such appeal is based on grounds recognized by the University Regulations pertaining to appeals.

(ii) Where an appeal is based on medical factors or grounds, a medical report endorsed by the University Health Centre must be submitted together with the appeal; otherwise, the appeal will not be considered. Similarly, where the appeal is based on social factors, the opinion of the Dean of Students of the University shall be submitted before the appeal can be considered.

(iii) Normally, an appeal will not be considered where a candidate had an opportunity to postpone studies or examination(s) but voluntarily opted not to take that opportunity.

(iv) Save where the candidate establishes reasonable grounds for prejudice, incompetence, or lack of integrity of the Internal Examiner, the Appeals Board of the UDSoL shall not consider an appeal for re-marking of an examination script in a course by the Internal Examiner.

12. **Medical and other Reports**

The Departmental Board shall be provided with a full report including a report from the University Health Centre or the Dean of Students, in the exercise of its role in respect of recommending to the Board of the University of Dar es salaam School of Law that a candidate be discontinued or be allowed to do a special examination or carry over the course.

LLB Programme Courses

Course Code	Course Title	Credits	Semester	Core/ Optional
First Year				
LW 100	Constitutional Law I	12	1	Core
LW 104	Constitutional Law II	12	2	Core
LW 101	Law of Contract	12	1	Core
LW 105	Law of Contract II	12	2	Core
LW 102	Criminal Law and Procedure I	12	1	Core
LW 106	Criminal Law and Procedure II	12	2	Core
LW 103	Legal Method I	12	1	Core
LW 107	Legal Method II	12	2	Core
LW 108	Communication Skills for Lawyers I	12	1	Core
LW 109	Digital Literacy and Technology in Legal Practice	12	2	Core
IS131	Computer Skills	12	1	Core
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
Second Year				
LW 200	Administrative Law I	12	1	Core
LW 206	Administrative Law II	12	2	Core

Course Code	Course Title	Credits	Semester	Core/ Optional
LW 201	Public International Law	12	1	Core
LW 202	Land Law I	12	1	Core
LW 207	Land Law II	12	2	Core
LW 203	Law of Torts I	12	1	Core
LW 208	Law of Torts II	12	2	Core
LW 205	Legal History	12	1	Core
LW 204	Evidence I	12	1	Core
LW 209	Evidence II	12	2	Core
LW 450	Select from approved LW 450 series courses	12	**	Optional
LW 450	Select from approved LW 450 series courses	12	**	Optional
Third Year				
LW 300	Jurisprudence 1	12	1	Core
LW 301	Family Law	12	2	Core
LW 302	Law of Business Associations	12	1	Core
LW 303	Labour Law	12	1	Core
LW 304	Legal Writing and Drafting	12	2	Core
LW 305	Legal Research	12	2	Core
LW 306	Jurisprudence II	12	2	Core
LW 307	Law of Succession and Trusts	12	1	Core
LW 450	Select from approved LW 450 series courses	12	**	Optional
LW 450	Select from approved LW 450 series courses	12	**	Optional
LW 450	Select from approved LW 450 series courses	12	**	Optional
LW 450	Select from approved LW 450 series courses	12	**	Optional
** Semester depends on the course selected				
Fourth Year				
LW 400	LL.B. Dissertation	24	1&2	Core
LW 401	Civil Procedure I	12	1	Core
LW 405	Civil Procedure II	12	2	Core
LW 402	Arbitration and Alternative Dispute Resolution	12	2	Core
LW 403	Private International Law	12	1	Core
LW 404	Legal Ethics	12	1	Core
LW 406	Environmental Law	12	2	Core
LW 407	East African Community Law	12	2	Core
LW 450	Select from approved LW 450 series courses	12	**	Optional
LW 450	Select from approved LW 450 series courses	12	**	Optional
LW 450	Select from approved LW 450 series courses	12	**	Optional
LW 450	Select from approved LW 450 series courses	12	**	Optional

12.1 Students should consult Heads of Department before selecting the optional courses since not all courses on the Prospectus would be on offer in a particular semester.

12.2 The total minimum credits for purposes of GPA calculations is 144+ 132 + 132= 408 derived from 2nd, 3rd and 4thyear examination results.

13. **The LW 400 LL.B. Dissertation and Optional Courses**

13.1 The field component for the LW 400 LLB Dissertation shall be done during the long vacation of the 3rd year as part of LW 305 Legal Research for the duration of 8 weeks.

13.2 The LL.B. Dissertation shall be between 10,000 and 14,000 words that is between 30 and 40 pages on A4 white paper, double spaced in size 12 Times New Roman font characters and shall comply with the approved UDSoL Citation and Reference Guidelines available at the School's website. Students shall be required to submit 2 hardbound copies and soft copies of their dissertations. They shall also comply with other directions issued by the Coordinator on the format relating the appearance of the external cover of the dissertations.

13.3 In addition to core courses required for a particular academic year, a student in the 2nd, 3rd and 4th Year of study, shall be required to meet the minimum prescribed credits from the optional courses on offer.

13.4 Before the end of each academic year 1st, 2nd and 3rd Year students shall select and register his or her course programme for the following academic year. Course registration shall be done online using the electronic course registration system or as determined by the Dean.

13.5 Two weeks before the end of an academic year or at any other time, the Dean after consultations with Heads of Departments will announce the list of optional courses on offer during the following Academic Year.

13.6 Availability of optional courses will be determined by the Dean and will depend on the availability of lectures.

13.7 The Dean may change an optional course on offer if there are circumstances necessitating such a course to be taken or omitted.

13.8 Where the Dean changes the options that have been advertised, students who have been affected shall be allowed to select new optional courses.

Optional courses shall be announced by the Dean from the following list for 2nd, 3rd and 4th Year students:

Course Code	Course Title	Credits
LW 450	Agency and Bailment Law	12
LW 451	Air and Space Law	12
LW 452	Banking Law	12
LW 497	Business Associations Law II	12
LW 453	Canon Law	12
LW 454	Capital Markets and Securities	12
LW 455	Law of Carriage	12
LW 456	Law of the Child	12
LW 457	Commercial and Consumer Transaction Law	12
LW 458	Comparative Law	12
LW 459	Competition Law	12
LW 460	Computer Law	12
LW 461	Conflict Resolution Law	12
LW 462	Construction Law	12
LW 498	Conveyancing Law	12
LW 463	Criminology and Penology	12
LW 464	Cultural Property and Antiquities Law	12

Course Code	Course Title	Credits
LW 465	Customary Law	12
LW 466	Entertainment Law	12
LW 467	Gender and the Law	12
LW 468	Health Law	12
LW 469	Hire Purchase Law	12
LW 470	Human Rights Law	12
LW 471	Insolvency Law/Bankruptcy Law	12
LW 472	Insurance Law	12
LW 473	Integration Law	12
LW 474	Intellectual Property Law	12
LW 476	International Humanitarian Law	12
LW 477	International Organizations Law	12
LW 488	Private International Trade and Finance Law	12
LW 489	Public International Trade Law and International Commercial Dispute Settlement	12
LW 499	Law and the Internet	12
LW 478	Investment Law	12
LW 479	Islamic Law	12
LW 475	Labour Law II	12
LW 481	Landlord and Tenant Law	12
LW 482	Local Government Law	12
LW 483	Maritime Law	12
LW 484	Media Law	12
LW 480	Law of Mortgages	12
LW 485	Natural Resources Law	12
LW 486	Law of Negotiable Instruments	12
LW 487	Planning Law	12
LW 490	Refugee Law	12
LW 491	Regulatory Law	12
LW 492	Law of the Sea	12
LW 493	Social Security Law	12
LW 494	Tax Law I	12
LW 495	Tax Law II	12
LW 496	Telecommunications Law	12
DS	Series Development Perspectives	12

Bachelor of Arts in Law Enforcement Programme Courses

Course Code	Course Title	Credits	Semester	Core/ Optional
First Year				
LWE 103	Legal Method	12	1	Core
LE 106	Criminal Procedure	8	1	Core
LE 101	Public Administration and Law Enforcement	12	1	Core
LW 109	Communication Skills for Lawyers	12	1	Core
LE 102	Psychosocial Studies I	12	1	Core
LE104	Psychosocial Studies II	12	1	Core
LW 100	Constitutional Law I	12	1	Core
LE 103	Public Ethics and Law Enforcement	12	2	Core

Course Code	Course Title	Credits	Semester	Core/ Optional
LWE 105	Administrative Law	12	2	Core
LE 104	Psychosocial Studies II	12	2	Core
LW 102	Criminal Law			
DS 114	Development Perspectives I	12	1	Core
LWE 109	Communication Skills for Lawyers	12	2	Core
Second Year				
LE 200	Leadership in Law Enforcement	8	1	Core
LW 476	International Humanitarian Law	12	1	Core
LE 204	Research Methodology	12	1	Core
LW 209	Law of Evidence II	12	1	Core
LE 202	Public Health and Environment	8	1	Core
LE 400	Series from list of optional courses	8	1	Optional
LE 208	Basic Statistics and Law Enforcement	12	2	Core
LW 456	Law of the Child	12	2	Core
LW 470	Human Rights Law	12	2	Core
LE 205	Logistics and Law Enforcement	8	2	Core
LW 204	Law of Evidence I	12	2	Core
LE 400	Series Select from list of optional courses	8	2	Core
Third Year				
LE 300	Techno-mathematics in Law Enforcement	8	1	Core
LE 301	Trans-national Crimes Law	8	1	Core
LE 302	Communication Technology in Law Enforcement	8	1	Core
LE 303	Security Procedures & Firearms Management	8	1	Core
LE 304	Legal Aspects of Community Engagement	12	1	Core
LE 305	Dissertation	12	1	Core
LE 400	Series from list of optional Courses	8	1	Optional
LE 400	Series from list of optional Courses	8	1	Optional
LWE 463	Criminology and Penology	12	2	Core
LWE 106	Criminal Law and Procedure II	12	2	Core
LE 306	International Law Enforcement	12	2	Core
LE 307	Law Enforcement Intelligence and Application	12	2	Core
LE 308	Forensic Science and Law Enforcement	12	2	Core
LE 400	Series from list of optional Courses	8	2	Optional
LE 400	Series from list of optional Courses	8	2	Optional

Optional courses shall be announced by the Dean from the following list for 2nd and 3rd Year students

Course Code	Course Title	Credits	Semester	Core/ Optional
LE 400	Anti-Terrorism Law	12		
LE 401	Criminal Investigations	12		

Course Code	Course Title	Credits	Semester	Core/ Optional
LE 402	Criminology	12		
LE 403	Cyber Crimes	12		
LE 404	Financial Crimes*	12		
LE 405	Fire and Accident Investigations	12		
LE 406	Fire and Rescue Services Administration	12		
LE 407	Immigration Administration	12		
LE 408	Immigration Investigations	12		
LE 409	Penology	12		
LE 410	Police Administration	12		
LE 411	Prisons Administration	12		
LE 412	Prisons Investigations	12		
LE 413	Road Traffic Investigations	12		
LE 414	Trafficking Control and Prevention Law	12		
LE415	Survival Techniques and Self Defence			

14. **The LE 305 B.A Law Enforcement Dissertation and Optional Courses**

14.1 The field component for the LE 305 BALE Dissertation shall be done during the long vacation of the 3rd year as part of LW 305 Legal Research for the duration of 8 weeks.

14.2 The BALE Dissertation shall be between 10,000 and 14,000 words that is between 30 and 40 pages on A4 paper, double spaced in size 12 Times New Roman font characters and shall comply with the approved UDSoL Citation and Reference Guidelines available at the School's website. Students shall be required to submit 2 hardbound copies and soft copies of their dissertations. They shall also comply with other directions issued by the Coordinator on the format relating the appearance of the external cover of the dissertations.

14.3 In addition to core courses required for a particular academic year, a student in the 2nd and 3rd Year of study, shall be required to meet the minimum prescribed credits from the optional courses on offer.

14.4 Be-fore the end of each academic year, 1st and 2nd Year students shall select and register his or her course programme for the following academic year. Course registration shall be done online using the electronic course registration system or in any other manner determined by the Dean

14.5 Two weeks before the end of an academic year or at any other time, the Dean after consultations with Heads of Departments will announce the list of optional courses, if any, on offer during the following Academic Year.

14.6 Availability of the optional courses will be determined by the Dean and will depend on the availability of lectures.

14.7 The Dean may change an optional course on offer if there are circumstances necessitating such a course to be taken.

14.8 Where the Dean changes the options that have been advertised, students that have been affected shall be allowed to select new optional courses.

15. Certificates in Law Programme

Centers may be allowed to Host the Programme on behalf of the School of Law after complying with all prerequisites.

15.1 The UDSoL runs the Programme through accredited Centers. The University on the recommendation of the School Board shall announce the list of Centers, which will be eligible

to host the programme before the commencement of the admission process for each academic year.

15.2 It is the responsibility of the School to recommend to Senate in which Centre a candidate admitted in the programme is to undergo training.

15.3 All Centers are subject to these regulations and those regulating the conduct and management of such Centers in respect of the programme.

16. Entry Requirements and the Admission Process

16.1 All candidates aspiring to join the programme must apply online through the University admission system that can be accessed via udsm.admission.ac.tz. No center is allowed to register a Candidate without the admission letter issued to the candidate by the University of Dar es salaam.

16.2 A candidate, before being admitted to the course, must have obtained Certificate of Secondary Education Examination (C.S.E.E) and scored a minimum of 'D' grade in four (4) subjects or equivalent or passed the Advanced Certificate of Secondary Education Examination (A.C.S.E.E.).

16.3 A candidate who does not have such a certificate may be admitted in exceptional circumstances on the recommendations of the Board of the University of Dar es Salaam School of Law.

17. The duration of study shall be for a maximum period of 2 semesters of full-time attendance. Candidates who wish to pursue the programme on a part time basis shall be required to obtain special permission of the School Board provided that the maximum duration for a candidate to remain enrolled in the programme shall not exceed two years. Teaching shall adhere to the Semester System of the University of Dar es Salaam.

18. Courses

Course Code	Course Title	Credits	Semester	Core/ Optional
CTL 100 CTL 101	Public Law I Public Law II	12 12	12	Core Core
DS 112	Development Perspectives I	12	1	Core
CL 100	Communication Skills	12	1	Core
CTL 200	Select from approved CTL 200 series courses	12	1	Optional
CTL 200	Select from approved CTL 200 series courses	12	1	Optional
CTL 200	Select from approved CTL 200 series courses	12	2	Optional
CTL 200	Select from approved CTL 200 series courses	12	2	Optional
CTL 200	Select from approved CTL 200 series courses	12	2	Optional
CTL 200	Select from approved CTL 200 series courses	12	2	Optional
CTL 200	Criminal Law and Public Order	12		
CTL 201	General Principles of Private Law	12		
CTL 202	Labour Law	12		
CTL 203	Law of Business Associations	12		

Course Code	Course Title	Credits	Semester	Core/ Optional
CTL 204	Law of International Trade and Finance	12		
CTL 205	Law of Banking	12		
CTL 206	Law of Insurance	12		
CTL 207	Negotiable Instruments	12		
CTL 208	Commercial and Consumer Transactions Law	12		
CTL 209	Law of Evidence	12		
CTL 210	Criminal Procedure	12		
CTL 211	Civil Procedure	12		
CTL 212	Human Rights Law	12		
CTL 213	Immigration Law	12		
CTL 214	Refugee Law	12		
CTL 215	Planning Law	12		
CTL 216	Family Law	12		
CTL 217	Law of the Child	12		
CTL 218	Media Law	12		
CTL 219	Local Government Law	12		
CTL 220	Law of Carriage	12		
CTL 221	Regulatory Law	12		
CTL 222	Criminology and Penology	12		

19. Examinations

19.1 Certificate in Law candidates must satisfy the examiners by attaining a minimum of 48 credits in compulsory courses and 60 credits in optional courses.

19.2 No candidate shall be eligible to sit for the Certificate in Law Examinations unless he or she has attended at least 70% of lectures.

19.3 The School Board may award a pass with distinction to a Certificate in Law candidate who obtains a Grade "A" in four courses or Grade "B+" or above in 5 out of 7 courses taken at Certificate in Law examination, excluding Communication Skills (CL100).

19.4 Where a candidate fails in one or two courses at "D" grade he/she may, on the recommendation of the School Board, be permitted to re-sit the failed course(s) at a supplementary examination.

19.5 Where a candidate fails in two courses, one at "D" and another at "E" grade he/she may, on the recommendation of the School Board, be permitted to re-sit the failed course(s) at a supplementary examination.

19.6 Where a candidate fails in two courses at "E" grade, he/she may, on the recommendation of the School Board, be permitted to repeat the year.

19.7 Where a candidate fails in three courses at "D" grade, he/she may, on the recommendation of the School Board, be permitted to repeat the year.

19.8 Where a candidate fails in three courses, two at "D" level, and one at "E" grade he/she may, on the recommendation of the School Board, be permitted to repeat the year.

19.9 Where a candidate fails in three courses, two at "E" level, and one at "D" level, he/she shall be discontinued from studies.

19.10 Where a candidate fails in three courses at "E" level, he/she shall be discontinued from studies.

19.11 Where a candidate fails in Communication Skills (CL100), he/she may be permitted to re-sit the examination during regular university examination session until he passes, provided that this shall not go beyond the two years allowed for a candidate to remain registered in the programme.

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E. L. Mlay LLB (Dodoma)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

UNIVERSITY OF DAR ES SALAAM SCHOOL OF ECONOMICS (UDSE)

1. INTRODUCTION

1.1. The School of Economics offers two 3-year Bachelor of Arts degree programmes:

i. Bachelor of Arts in Economics (BAE)
ii. Bachelor of Arts in Economics and Statistics (BAEST)

1.2. Both programmes aim at providing students with a solid foundation in major areas of economics. The courses that the students who get admitted in each of the programmes are required to take are listed below by year of study. Students are also supposed to undertake compulsory practical training in their second-year long vacation. The practical training is for a period of 8 weeks and it does not carry any credit for the calculation of GPA.

1.3. ENTRY REQUIREMENTS

1.3.1. Bachelor of Arts in Economics (BAE)

Direct Entry: Two principal passes one of which must be in Economics or Advanced Mathematics. Candidates without Advanced Mathematics must have a credit pass or above in Basic Mathematics at O-Level..

Equivalent: Diploma in Economics and related fields, recognized by UDSM Senate of GPA not less than 3.5 or B grade or distinction and a credit pass ('C' or above) in Basic Mathematics at CSEE.

1.3.2. Bachelor of Arts in Economics and Statistics (BAEST)

Direct Entry: Two Principal passes in Advanced Mathematics and Economics.

Equivalent: Diploma in Economics, Statistics or Mathematics with an average of 'B+' or a minimum GPA of 3.5 and a credit pass ('C' or above) in Basic Mathematics at CSEE.

2. GENERAL REGULATIONS

2.1. A student admitted to the School of Economics shall be enrolled in one of the degree programmes listed in Table 1. Degree programmes in the School of Economics shall be of a three-year duration.

2.2. In order to graduate from the School of Economics, a student must take and pass a minimum of 432 credits.

2.3. Each student must take a minimum of 72 credits per semester.

2.4. All first-year students shall register at the beginning of the first semester. Continuing students shall register at the end of the academic year for courses to be taken in the following year. Registration of courses shall be done through the Academic Registration Information System (ARIS).

2.5. The maximum allowable registration period at the School of Economics is five years. Students must clear all course within 5 years for 3-year programmes. Any student who has failed to clear any course at the maximum period shall be deemed to have failed the programme and will not be awarded a degree.

3. SCHOOL EXAMINATION REGULATIONS

3.1. UDSE Regulations shall be read together with the General University Examination Regulations.

3.2. All courses offered during a semester shall be examined at the end of that semester except where the Dean of the School gives permission otherwise.

3.3. Course grades will be based on the end of course examination, that is coursework assessment and University Examination (UE). The University Examination shall constitute 60% of the total course assessment whereas course assessment shall constitute 40%. The course assessment depending on how the instructors deem fit may be split from tests and other assignments, from seminar presentations and from seminar attendance and participation (where offered).

3.4. A student must have attended a minimum of 75% of the lectures and seminars (where offered) to be eligible to sit for the end of semester written examination in the course otherwise the Dean retains the power to bar any student's access to examination where the Dean is satisfied that the candidate does not qualify to sit for the examination as required by Regulations, either by reason of poor attendance in lectures and seminars or poor performance in coursework. A student who is so barred:

a) Shall be deemed to have failed the course at "E" grade;
b) Shall be required to carry over the course, subject to other Regulations.

3.5. A student who obtains less than 16 marks in his/her coursework grade will be deemed to have failed the coursework, and will be barred from taking the examination in that course. Such a student who is so barred from taking the examination will be required to carry over the course, other regulations permitting.

3.6. Assessment of the student's progress shall be based on the following grading system: A: 70 – 100% B+: 60 – 69% B: 50 – 59% C: 40 – 49% D: 35 – 39% E: 0 – 34%

3.7. The pass mark in each of the course taken shall be "C". The mark for "absolute fail" shall be "E".

3.8. A student failing a course in any year shall be required to supplement provided the overall GPA is not less than 1.8.

3.9. Supplementary examination shall be marked out of 60% and the coursework marks (out of 40%) shall be added to the supplementary marks to give the student a "C", "D", or "E" grade. That means a course that has been supplemented shall be awarded a maximum of "C" grade.

3.10. Provided the overall GPA after supplementary examination is 2.0 or above, a student who fails supplementary examinations will be allowed to carry over flexibly into the subsequent academic years such number of failed courses as a requisite for the fulfilment of the requirement of passing a total minimum number of course credits for the programme in compliance with General Regulation 2.2.

i. The carried-over course or courses must be taken in full, including all the coursework and it shall be assessed like a supplementary course with a grade of "C", "D", or "E". The maximum grade for a carried over course shall be the minimum passing grade i.e. 'C'
ii. The carried-over course or courses must be cleared within the maximum allowable registration period of five years.

3.11. Special examinations given at the time of supplementary examinations will be treated as first sitting and graded as such.

3.12. A student who for satisfactory reasons or not has not completed an important portion of his/her coursework shall be awarded a "PEX" ("Postponed Exam") grade or "I" ("Incomplete") grade respectively.

i. A student who has been awarded an "I" or a "PEX" grade is required to clear the grade during the time of supplementary examinations for that academic year. Except with the approval of the School Board, any student with a "PEX" or "I" grade not cleared at the time of the supplementary examinations will be considered to have absconded.

ii. A student who has obtained an "E" grade due to Incomplete grade will be required to carry over the relevant course and shall be treated like any other carried-over course as per regulation 3.9. (i and ii).

3.13. A student shall be discontinued from studies at the University on academic grounds if either he/she attains an overall GPA of less than 1.8 outright (during first sitting), or he/she obtains a GPA of less than 2.0 after sitting for supplementary examinations.

4. DEGREE CLASSIFICATION AND GPA

4.1. Courses shall be weighted by multiplying the final grade of a given course by the number of its course credits.

4.2. Course grades multiplied by the appropriate credits weighting will be accumulated over the whole period of study and will form the basis for the assessment of the degree.

4.3. The degree classification shall be based on the 432 credits from the courses permitted under the degree programme.

4.4. The final Bachelor of Arts degree shall be graded as first class, upper second class, lower second class and pass as follows: First Class 4.4 – 5.0 Upper Second 3.5 – 4.3 Lower Second 2.7 – 3.4 Pass 2.0 – 2.6. In each case, the average point shall be calculated on the basis of truncation after the first decimal point (e.g. 4.39 shall be taken as 4.3).

5. EXAMINATION IRREGULARITY

5.1. A candidate alleged to be involved in examination irregularities shall have his/her results withheld until final determination of the matter by the Senate.

6. EXAMINATION RESULTS IN GENERAL

6.1. Internal Examiners shall individually submit marks and grades of each candidate in their respective courses to the Departmental or School Board of Examiners for checking of computational errors and for provisional publication of the semester's results;

6.2. The Departmental or School Examinations Officer shall bring to the attention of the internal examiner all cases of fundamental differences in marks and grades between the internal examiner and external examiner(s) in the course(s) the internal examiner is responsible for. The Departmental or School Examinations Officer shall also report such cases to the Departmental or School Board of Examiners for deliberation and/ or adjudication.

6.3. The Departmental or School Board shall assess the results in the respective Department and make recommendations to the Board of the UDSE. In the event of any disagreement of a fundamental nature between an internal examiner and an external examiner on the marks and grade of a candidate the Board of Examiners of the UDSE shall adjudicate upon the matter and make a recommendation to the Senate.

6.4. Where the Board of the UDSE has endorsed the provisional examination results, specific marks or grades for coursework and written examinations in a course shall not be disclosed to a candidate.

7. PRACTICAL TRAINING COURSES (PT)

7.1. Practical training is carried out by first and second year students during the long-vocation.

7.2. Objectives of Practical Training

7.2.1. The main objective of the training is to enable students to acquire work experience related to their studies in different working places in the country. The specific objectives of the practical programme are:

i. To enable students, apply or learn the practical applications of the theory they learn at the University in solving real- life problems.
ii. To minimize over-emphasis on theory and thus give some weight to practical work experience.
iii. To give students ample opportunity to acquire appropriate work experience to complement academic training so that they will be to serve their communities better after graduation.
iv. To allow institutions and users of our end products assess the quality and relevance of our graduates and guide the College on how best to improve our pedagogy.
v. To establish and maintain close contacts between employers and the School and between the School and the ministry responsible for offering particular knowledge and experience.

Bachelor of Arts in Economics

First Year: Semester I

Code	Course Title	Status	Credit
EC 116	Introductory Microeconomic Analysis I	Core	12
EC 117	Introductory Macro-Economic Analysis I	Core	12
EC 118	Mathematics for Economists I	Core	12
AC 100	Principles of Accounting I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
DS 114	Development Perspectives I	Core	12
Total Credits			**72**
Semester II			
EC 126	Introductory Microeconomic Analysis II	Core	12
EC 127	Introductory Macro-Economic Analysis II	Core	12
EC 128	Mathematics for Economists II	Core	12
AC 101	Principles of Accounting II	Core	12
PL111	Introduction to Critical Thinking and Argumentation	Core	12
DS 115	Development Perspectives II	Core	12
EC199	Field Practical Attachment I	Core	12
Total Credits			**84**
Second Year: Semester I			
EC 216	Intermediate Microeconomic Analysis I	Core	12
EC 217	Intermediate Macro-Economic Analysis I	Core	12
EC 218	Applied Quantitative Methods I	Core	12
EC 219	Econometrics I	Core	12

Code	Course Title	Status	Credit
EC 220	Development Economics I	Core	12
EC 241	Financial Economics	Core	12
Total Credits			**72**
Total Credits (with Electives)			**72**
Semester II			
EC 226	Intermediate Microeconomic Analysis II	Core	12
EC 227	Intermediate Macro-Economic Analysis II	Core	12
EC 229	Econometrics II	Core	12
EC 251	Money and Banking	Core	12
EC 252	International Trade and Finance	Core	12
EC 253			
EC 299	Field Practical Attachment II	Core	12
Total Credits			**84**
Third Year: Semester I			
EC 366	Economic Policy, Planning and Programming I	Core	12
EC 371	Monetary Economics I	Core	12
EC 372	Public Finance I	Core	12
EC 373	International Economics I	Core	12
EC 384	Applied Quantitative Methods and Econometrics II	Core	12
Total Credits			**60**
A Student Must Choose Only One of the Following Courses:			
EC 367	Industrial and Production Economics I	Elective	12
EC 368	Transport Economics and Industrial Location I	Elective	12
EC 369	Agricultural Economics I	Elective	12
EC 370	Labour Economics and Human Resources I	Elective	12
EC 375	Natural Resources and Environmental Economics I	Elective	12
EC 386	Cost-Benefit Analysis I	Elective	12
EC 390	Health Economics I	Elective	12
Total Credits (with Electives)			**72**
Semester II			
EC 374	Applied Quantitative Methods and Econometrics I	Core	12
EC 376	Economic Policy, Planning and Programming II	Core	12
EC 381	Monetary Economics II	Core	12
EC 382	Public Finance II	Core	12
EC 383	International Economics II	Core	12
Total Credits			**60**
A student must choose only one of the following courses:			
EC 377	Industrial and Production Economics II	Elective	12
EC 378	Transport Economics and Industrial Location II	Elective	12

Code	Course Title	Status	Credit
EC 379	Agricultural Economics II	Elective	12
EC 380	Labour Economics and Human Resources II	Elective	12
EC 385	Natural Resources and Environmental Economics II	Elective	12
EC 387	Cost Benefit Analysis II	Elective	12
EC 391	Health Economics II	Elective	12
AS 221	Pan-Africanism: Thought and Practice II	Elective	12
Total Credits (with Electives)			**72**

Bachelor of Arts in Economics and Statistics

First Year: Semester I

Code	Course Title	Status	Credit
EC 116	Introductory Microeconomic Analysis I	Core	12
EC 117	Introductory Macro-Economic Analysis I	Core	12
ST 113	Basic Statistics	Core	12
ST 121	Analytical Calculus	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
DS 114	Development Perspective I	Core	12
Total Credits			**72**
Semester II			
EC 126	Introductory Microeconomic Analysis II	Core	12
EC 127	Introductory Macro-Economic Analysis II	Core	12
ST 114	Probability Theory I	Core	12
ST 122	Linear Algebra with Application	Core	12
DS 115	Development Perspectives II	Core	12
PL111	Introduction to Critical Thinking and Argumentation	Core	12
EC199	Field Practical Attachment I	Core	12
Total Credits			**84**
Second Year: Semester I			
EC 216	Intermediate Microeconomic Analysis I	Core	12
EC 217	Intermediate Macroeconomic Analysis I	Core	12
EC 219	Econometrics I	Core	12
ST 211	Probability Distributions	Core	12
ST 235	Introduction to Programming	Core	12
Total Credits			**60**
Students Must choose only one of the following courses:			
EC 241	Financial Economics	Elective	12
ST 220	Basic Demography	Elective	12

Code	Course Title	Status	Credit
ST 236	Biostatistics and Epidemiology	Elective	12
ST 238	Spatial Statistics	Elective	12
Total Credits (with Electives)			**72**
Semester II			
EC 226	Intermediate Microeconomic Analysis II	Core	12
EC 227	Intermediate Macro-Economic Analysis II	Core	12
EC 229	Econometrics II	Core	12
EC 253	History of Economic Thought	Core	12
ST 223	Non-Parametric Statistics	Core	12
ST 239	Introduction to database management systems	Core	12
EC 299	Field Practical Attachment II	Core	12
Total Credits			**84**
Third Year: Semester I			
EC 371	Monetary Economics I	Core	12
EC 372	Public Finance I	Core	12
EC 373	International Economics I	Core	12
EC 384	Applied Quantitative Methods and Econometrics II	Core	12
ST 310	Statistical Inference II	Core	12
ST 316	Statistical Quality Control	Core	12
Total Credits			**72**
Semester II			
EC 381	Monetary Economics II	Core	12
EC 382	Public Finance II	Core	12
EC 383	International Economics II	Core	12
ST 311	Multivariate Normal Distribution	Core	12
ST 318	Sampling Theory and Methodology	Core	12
ST 312	Stochastic Processes	Core	12
Total Credits			**72**

UDSE STAFF LIST

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* On Study Leave
** On Sabbatical Leave
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SCHOOL OF JOURNALISM AND MASS COMMUNICATION (SJMC)

INTRODUCTION

The School of Journalism and Mass Communication was born out of the former Tanzania School of Journalism (TSJ), which was established under the UDSM Act No. 12 of 1970, which accordingly, revoked the TSJ Act. This move has enabled the School to offer degree programmes in Journalism, Mass Communication as well as Public Relations and Advertising.

Degrees Offered

The School offers the following undergraduate programmes:

(i) Bachelor of Journalism and Media Studies,
(ii) Bachelor of Arts in Mass Communication and Multimedia Studies
(iii) Bachelor of Arts in Public Relations and Strategic Communication

Non-degree Programmes Offered

Additionally, the School offers the following non-degree programmes:

(i) Certificate in Journalism (CertJournalism)
(ii) Diploma in Journalism - Regular
(iii) Diploma in Journalism – Online

Admission Requirements

1. The undergraduate degree for which the School of Journalism and Mass Communication prepares candidates is the Bachelor of Journalism and Media Studies, and Bachelor of Arts (Mass Communication or Public Relations and Advertising) of the University of Dar es Salaam.
2. A candidate shall be eligible for consideration for admission to the Bachelor of Journalism and Media Studies, and Bachelor of Arts (Mass Communication or Public Relations and Advertising) degree if he/she has obtained the following:
   2.1 Direct Entry Qualifications
   Any 2 or more principal level passes and one language subject at C grade or higher in Ordinary Level Secondary School Certificate.
   2.2 Equivalent Qualifications
   A diploma or NTA Level 6 in media studies, such as Journalism, Mass Communication, Public Relations, and Advertising, with an overall GPA of 3.5 or above from a recognized institution by UDSM Senate.

General Degree Regulations

(i) All students admitted to the School of Journalism and Mass Communication shall be enrolled in one of the programmes offered by the School.
(ii) To graduate from the School a student must take and pass a minimum of 360 credits and a maximum of 432 credits for a three-year programme.

School Examination Regulations

The following regulations shall apply to all students undertaking undergraduate programmes in the School of Journalism and Mass Communication:

1. All candidates will be required to take and pass examinations in all the registered courses in any particular semester.
2. A candidate who fails some courses but attains a GPA of not below 1.8 will be required to supplement the failed courses.

3. Where a student fails a supplementary examination, she/he shall be allowed to carry over the failed course(s) provided she/she attains an average GPA of 2.0.
4. Coursework marks for theory courses shall be 40 per cent while final examination will be awarded 60 per cent.
5. Classification of Degrees:
   (i) For purposes of the final classification of degrees and where applicable a five-point system shall be used in averaging the final grades.
   (ii) The letter grades will be assigned points as follows:

A	B^+	B	C	D	E
5	4	3	2	1	0

   (iii) Approved courses given for each degree shall be appropriately weighted in terms of credits.
   (iv) To get the score for each course multiply the points, as in 5.2 by the weights, as in 5.3
   (v) The total score for the degree shall be the total score for all countable courses taken by the candidate for the degree, computed as in 5.4.
   (vi) The average score for the degree shall be computed by dividing the total score in 5.5 by the total weight obtained under 5.3.
   (vii) The final classification shall be as follows:

First Class	-	A	(5.0 – 4.4)
Second Class (Upper)	-	B+	(4.3 – 3.5)
Second Class (Lower)	-	E	(3.4 – 2.7)
Pass	-	C	(2.6 – 2.0)

Courses Offered

Course Structure and Outline

Students in the first year in all the three programmes undertake core courses pertinent to their fields of study. Thereafter, students are able to take both core and Elective courses from their fields of study in the second year and third year.

Notes on the Coding of Courses

The coding of courses consists of two letters, both of which stand for the programme and are then followed by three digits or numbers (e.g. JO 204).

Bachelor of Journalism and Media Studies

First Year

Course Code	Course Title	Credits	Semester	Status
JO 111	Introduction to Journalism	12	1	Core
JO 112	Media Ethics and Accountability	12	1	Core
JO 113	English for the Media	12	1	Core
JO 114	Kiswahili kwa Vyombo vya Habari	12	1	Core
DS 114	Development Perspective ***	12	1	Core
CO 111	Foundation of Mass Communication**	12	1	Elective
PR 111	Introduction to Corporate Communication**	12	1	Elective
CM 105	Chinese Language for Beginners 1*	12	1	Elective
JO 121	Writing and Reporting for Print Media	12	2	Core
JO 122	Radio Production and Broadcasting	12	2	Core
JO 123	Television Production and Broadcasting	12	2	Core

Course Code	Course Title	Credits	Semester	Status
JO 124	Online and Multimedia Journalism	12	2	Core
JO 125	Introduction to Critical Thinking and Argumentation in Communication	12	2	Core
DS 115	Development Perspective II ***	12	2	Core
Second Year				
JO 202	News Reporting and Writing for Print Media	12	1	Core
CO 208	Television Production	12	1	Core
JR 203	Mass Media Research	12	1	Core
LW 540	Media Law	12	1	Core
CO 201	Theories of Mass Communication	12	1	Core
PR 205	Gender and the Media	12	1	Elective
CO 210	Production Management	12	1	Elective
CO 211	Media Management and Organisation	12	1	Elective
HR 200	Organisational Behaviour	12	1	Elective
JO 204	Photojournalism	12	2	Core
JO 206	Advanced Media Ethics	12	2	Core
CO 203	Issues in Mass Communication Research	12	2	Core
JO 210	Editing, Layout and Graphics	12	2	Core
JO 200	Practicum	8	2	Core
MK 200	Principles of Marketing	12	2	Elective
PS 222	International Relations I	12	2	Elective
PE 200	Theory and Methods of Sports Training	12	2	Elective
PS 232	Contemporary Politics in East Africa	12	2	Elective
SO 251	Contemporary Sociological Theories	12	2	Elective
MK 201	Relationship Marketing	12	2	Elective
CO 209	Advanced TV production	12	2	Elective
Third Year				
JO 301	Current Affairs and News Analysis	12	1	Core
CO 305	New Media Technologies	12	1	Core
JO 307	Dissertation I	12	1	Core
JO 303	Specialised Writing	12	1	Core
CO 317	Children and the Media[1]	12	1	Elective
JO 305	Advanced Radio Broadcasting	12	1	Elective
CO 313	Introduction to Media Economics	12	1	Elective
JO 309	Advanced TV Broadcasting	12	1	Elective
JO 311	Advanced Photojournalism	12	1	Elective
GM 300	Strategic Marketing	12	1	Elective
MK 305	Publicity and Public Relations	12	1	Elective
JO 302	Media Management and Organisation	12	2	Core
CO 304	Media Criticism	12	2	Core
CO 310	Mass Media and Popular Culture	12	2	Core
JO 308	Dissertation II	12	2	Core
CO 314	Digital Audio and Video Post-Production	12	2	Elective

[1] All third-year Journalism students strongly encouraged to take this course

Course Code	Course Title	Credits	Semester	Status
MK 310	Relationship Marketing	12	2	Elective
JO 306	Advanced Writing for Print Media	12	2	Elective
PS 335	Democracy and Elections	12	2	Elective
GE 350	Environmental Conservation Education	12	2	Elective
SO 371	Contemporary Social Change and Culture	12	2	Elective
MK 301	Small Business and Entrepreneurship	12	2	Elective
PE 304	Sports Marketing and Journalism	12	2	Elective
HK 304	Leadership and Supervisory Skills	12	2	Elective

Bachelor of Arts in Mass Communication and Multimedia Studies

First Year

Course Code	Course Title	Credits	Semester	Status
CO 111	Foundation of Mass Communication	12	1	Core
CO 112	Communication Systems in Tanzania	12	1	Core
DS 114	Development Perspective I	12	1	Core
JO 113	English for Journalists	12	1	Core
CO 114	Technical Basis of Communication	12	1	Core
JO 114	Kiswahili kwa Vyombo vya Habari*	12	1	Core
CL 131	Digital and Social Media Communication**	12	1	Core
CO 113	Computer Application for Communication	12	1	Elective
CO 121	Introduction to Digital Communication	12	2	Core
CO 122	Media and Society	12	2	Core
CO 123	Media Ethics	12	2	Core
CO 124	Multimedia Audio Production	12	2	Core
DS 115	Development Perspective II	12	2	Core
CO 125	Mediated Intercultural Communication	12	2	Elective
JO 121	Writing and Reporting for Print Media	12	2	Elective
Second Year				
CO 201	Theories of Mass Communication	12	1	Core
CO 205	Mass Media and Society	12	1	Core
JR 203	Mass Media Research	12	1	Core
LW 540	Media Law	12	1	Core
CO 211	Media Management and Organisation	12	1	Core
PR 205	Gender and the Media	12	1	Elective
GE 250	Environmental Conservation Education	12	1	Elective
CO 209	Advanced TV Production	12	1	Elective
CO 210	Production Management	12	1	Elective
CO 203	Issues in Mass Communication Research	12	2	Core
CO 204	Contemporary Mass Media in Tanzania	12	2	Core
CO 207	Special Radio Production	12	2	Core
CO 208	TV Production	12	1	Core
CO 200	Practicum*	8	2	Core
JO 206	Advanced Media Ethics	12	2	Core
MK 200	Principles of Marketing	12	2	Elective
MK 201	Relationship Marketing	12	2	Elective
PS 222	International Relations I	12	2	Elective

Course Code	Course Title	Credits	Semester	Status
PE 200	Theory and Methods of Sports Training	12	2	Elective
PS 232	Contemporary Politics in East Africa	12	2	Elective
SO 251	Contemporary Sociological Theories	12	2	Elective
Third Year				
CO 301	Audience Research	12	1	Core
CO 303	Development Communication	12	1	Core
CO 305	New Media Technologies	12	1	Core
CO 307	Dissertation I	12	1	Core
CO 309	Special Radio Production	12	1	Elective
CO 311	Special Television Production	12	1	Elective
CO 313	Introduction to Media Economics	12	1	Elective
CO 315	Special Writing for the Media	12	1	Elective
CO 317	Children and the Media	12	1	Elective
GM 300	Strategic Marketing	12	1	Elective
MK 305	Publicity and Public Relations	12	1	Elective
PL 311	Professional Civics Ethics	12	1	Elective
CO 302	International Mass Communication System	12	2	Core
CO 304	Media Criticism	12	2	Core
CO 308	Dissertation II	12	2	Core
CO 306	Broadcast and Cable Programming	12	2	Core
CO 310	Mass Media and Popular Culture	12	2	Elective
CO 314	Digital Audio and Video Post- Production	12	2	Elective
PR 301	Advertising and Public Relations Campaign	12	2	Elective
PS 335	Democracy and Elections	12	2	Elective
GE 350	Environmental Conservation Education	12	2	Elective
SO 371	Contemporary Social Change and Culture	12	2	Elective
PE 304	Sports Marketing	12	2	Elective
HR 304	Leadership and Supervisory Skills	12	2	Elective

Bachelor of Arts in Public Relations and Strategic Communication

First Year

Course Code	Course Title	Credits	Semester	Status
PR 111	Introduction to Public Relations and Strategic Communication	12	1	Core
PR 112	Introduction to Advertising	12	1	Core
PR 113	Ethics in PR and Advertising	12	1	Core
DS 114	Development Perspective I	12	1	Core
PR 114	Integrated Marketing Communication	12	1	Elective
JO 114	Kiswahili Kwa Vyombo vya Habari	12	1	Elective
JO 113	English for the Media	12	1	Elective
PR 121	Strategic Writing for Public Relations and Advertising	12	2	Core
PR 122	Introduction to Media Relations	12	2	Core
PR 123	Psychology and Consumer Behaviour	12	2	Core
DS 115	Development Perspective I	12	2	Core

Course Code	Course Title	Credits	Semester	Status
JO 125	Critical Thinking and Argumentation in Communication	12	2	Elective
JO 121	Writing and Reporting for Print Media	12	2	Elective
PR 124	Sociology of Consumption and Corporate Culture	12	2	Elective
Second Year				
CO 201	Theories of Mass Communication	12	1	Core
PR 201	Mass Media and Public Relations	12	1	Core
PR 203	Advertising, Layout and Production	12	1	Core
JR 203	Mass Media Research	12	1	Core
PR 207	Ethics and Professional Responsibilities in Public Relations	12	1	Core
LW 540	Media Law	12	1	Core
PR 205	Gender and the Media	12	1	Elective
CO 201	Theories of Mass Communication	12	1	Elective
GE 250	Environmental Conservation Education	12	1	Elective
CO 211	Media Management and Organisation	12	1	Elective
HR 200	Organisation Behaviour	12	1	Elective
PR 202	Media and Contemporary Issues	12	2	Core
CO 203	Issues in Mass Communication Research	12	2	Core
PR 204	Mass Media Advertising and Sales Promotion	12	2	Core
PR 206	Writing for Public Relations	12	2	Core
PR 200	Practicum	8	2	Core
MK201	Relationship Marketing	12	2	Elective
CO 209	Advanced Television Production	12	2	Elective
MK 200	Principles of Marketing	12	2	Elective
CO 314	Digital Audio and Video Post Production	12	2	Elective
PS 222	International Relations I	12	2	Elective
PE 200	Theory and Methods of Sports Training	12	2	Elective
PS 232	Contemporary Politics in East Africa	12	2	Elective
SO 251	Contemporary Sociology Theories	12	2	Elective
Third Year				
PR 301	Advertising and Public Relations Campaign	12	1	Core
CO 305	New Media Technologies	12	1	Core
PR 309	Propaganda and Persuasion	12	1	Core
PR 305	Advanced Advertising Issues	12	1	Core
PR 307	Dissertation I	12	1	Core
PR 311	Media, Minorities and People with Special Needs	12	1	Elective
PR 313	Visual Communication	12	1	Elective
GM 300	Strategic Marketing	12	1	Elective
MK 305	Publicity and Public Relations	12	1	Elective
PL 311	Professional and Civic Ethics	12	1	Elective
PR 302	Special Issues in Advertising	12	2	Core
PR 304	Media Representation and Perception	12	2	Core

Course Code	Course Title	Credits	Semester	Status
PR 306	Public Relations Organisation and Management	12	2	Core
PR 308	Dissertation II	12	2	Core
PR 310	Advertising as Communication	12	2	Elective
PR 314	Public Relations for Non-profit	12	2	Elective
PS 335	Democracy and Elections	12	2	Elective
GE 350	Environmental Conservation Education	12	2	Elective
SO 371	Contemporary Social Change and Culture	12	2	Elective
HR 304	leadership and Supervisory Skills	12	2	Elective
Certificate in Journalism				
CJ 111	Foundation of Journalism	12	1	Core
CJ 112	Tech-Driven News Reporting	12	1	Core
CJ 113	News Writing	12	1	Core
CJ 114	English for Journalists	12	1	Core
CJ 115	Basics of Photojournalism	12	1	Core
CJ 121	Foundations of Media Ethics and Laws	12	2	Core
CJ 122	Introduction to Entrepreneurial Journalism	12	2	Core
CJ 123	Kiswahili kwa Waandishi wa Habari	12	2	Core
CJ 124	Online Journalism	12	2	Core
CJ 125	Broadcasting Production	12	2	Core
Diploma in Journalism **First Year**				
DJ 111	Writing for Multimedia		1	Core
DJ 112	Digital Ethics & Media Laws*		1	Core
DJ 113	Emerging Technologies in Media		1	Core
DJ 114	Camera Operations		1	Core
DJ 115	Multimedia Production and Storytelling		1	Core
DJ 121	Radio & Tv Broadcasting		2	Core
DJ 122	Gender, Culture and Media		2	Core
DJ 123	Text & Audio-Visual Editing		2	Core
DJ 124	Mobile Journalism		2	Core
DJ 125	Online Content Creation		2	Core
Second Year				
JS 201	Action Research	18	1	Core
JS 202	Basics of Media Management	9	1	Core
JS 203	Basics of Finance and Procurement Management	12	1	Core
JS 204	Editing for Electronic Media	14	1	Core
JS 205	Feature Writing	5	1	Core
JS 206	Editing for Print Media	15	2	Core
JS 207	Investigative Journalism	16	2	Core
JS 208	Specialised Reporting	16	2	Core
JS 209	Data Journalism	15	2	Core

SJMC STAFF LIST

OFFICE OF THE DEAN

Senior Lecturer and Dean
M. N. Mwakalinga, BA, MA (Dar), PhD (Kansas)

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M. Zacharia, BA, (Dar), MA (Daystar Kenya), PhD (UDSM)
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C. C. Ngidula, BA,, MA (UDSM)
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O. Bitaohize, Dipl. (ATC), BENG (DIT)
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F. Y. Mkindi, Dipl. (DIT)

Senior Artisan
R. Kitwana, Cert. Jour., Dip. Jour. (TSJ, Dar es Salaam),

Acting Mlimani Media Manager
M. J. Nginila, BA (MUM-Morogoro), MA (SAUT)

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C. C. Nchimbi, Dip. (SLADS, Bagamoyo), BA (OUT), PGD (TPSC), MA (UDSM)

Library Officer II
N. R. Mweta, BA (SUA, Morogoro)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

INSTITUTE OF DEVELOPMENT STUDIES (IDS)

INTRODUCTION

The Institute of Development Studies (IDS) is the oldest Institute of Development Studies in Tanzania established in 1973. The Institute has well-trained professionals who teach, research and offer public services in multidisciplinary areas. Further, the Institute offers one undergraduate programme and five postgraduate programmes. All courses offered at the Institute are assigned codes starting with DS.

A student at the Institute must take at least 60 credits and at most 72 credits per semester. This means that a student must take a minimum of 120 credits and a maximum of 144 credits per year. For a three-year programme, a student will be conferred a degree if he/she has attained from prescribed courses at least 360 credits and maximum 432 credits.

Service Courses to the rest of the University

The Institute serves university colleges, schools, and Institutes in teaching Development Studies (DS) to first-year undergraduate students. The university-wide development studies courses are Development Perspectives I (DS 114) and Development Perspectives II (DS 115), which are taught to first-year students in the first and second semesters, respectively.

BA Development Studies Programme

FIRST YEAR: Semester I

Code	Course Title	Credits	Semester	Status
DS 103	Theories of Development and Underdevelopment	12	1	Core
DS 104	Gender and Development	12	1	Core
DS 127	State Market and Development	12	1	Core
DS 108	Introduction to Development Research	12	1	Core
DS 120	Economic Foundations for Development I	12	1	Core
CL 106	Communication Skills for Arts and Social Science	12	1	Core
Total		**72**		
FIRST YEAR: Semester II				
DS 105	Introduction to Political Economy of Development	12	2	Core
DS 121	Economic Foundations for Development II	12	2	Core
DS 122	Inclusive Development and Human Rights	12	2	Core
DS 123	Statistics for Development	12	2	Core
DS 124	Poverty Dynamics	12	2	Core
DS 125	Digital Technologies and Innovation	12	2	Core
Total		**72**		
SECOND YEAR: Semester I				
DS 227	Development Policy Analysis	12	1	Core
DS 232	Civil Society and Development	12	1	Core
DS 234	Economics of Development	12	1	Core

Code	Course Title	Credits	Semester	Status
DS 235	Development Project Design and Planning	12	1	Core
DS 223	Political Economy of Natural Resources	12	1	Core
Total		**48**		
Electives: Students should add ONE of the following courses:				
DS 226	Industrialisation and Development	12	1	Elective
PA 204	Public Human Resource Management	12	1	Elective
SECOND YEAR: Semester II				
DS 237	Monitoring and Evaluation for Development	12	2	Core
DS 243	Sustainable Development and the Environment	12	2	Core
DS 228	Development Ethics	12	2	Core
DS 230	Local Government and Development	12	2	Core
DS 238	Entrepreneurship and Financial Literacy	12	2	Core
Total		**48**		
Electives: Students should add ONE of the following courses				
AS 239	Volunteerism for Development	12	2	Elective
DS 240	Law and Development	12	2	Elective
DS 299	Practicum	24	2	Core
THIRD YEAR: Semester I				
DS 301	Rural Development	12	1	Core
DS 303	Urbanization and Development	12	1	Core
DS 305	Private Sector, SMEs Promotion and Development	12	1	Core
DS 307	Development Planning	12	1	Core
Total		**48**		
Electives: Students should add ONE of the following courses				
DS 309	Agricultural Development and Food Security	12	1	Elective
DS 315	Public Policy for Development	12	1	Elective
DS 317	Tourism and Development	12	1	Elective
THIRD YEAR: Semester II				
DS 302	Regional Cooperation and Integration for Development	12	2	Core
DS 304	Health and Development	12	2	Core
DS 306	Monitoring and Evaluation of Development	12	2	Core
DS 308	Communication for Development	12	2	Core
Total		**48**		
Electives: Students should add ONE of the following courses:				
DS 310	Development Budgeting	12	2	Elective
DS 312	Entrepreneurship and Youth Self-Employment	12	2	Elective
DS 347	Peace-making and Conflict Resolution	12	2	Elective

IDS STAFF LIST

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C. T. Msoka, BA, MA (Dar), PhD (Minnesota)

Professor
S. O. Maluka BA Ed (Dar) MA (Dar), PhD (Umea)

Senior Lecturers
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*I. Y. Majenda, BA, MA (Dar)
*O. Thabit, BA, MA (Dar)
*S. B. Emmanuel, BA, MA (Dar)
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*A. O. Sanga, BA, MA (Dar)
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*A. M. Igangula, Bsc (Dar), MEng (China)
*S. A. Mgoba, BA, MA (Morogoro)
*A. I. Issa, BA, MA (Dar)
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H. R. Moka, BA, MA (Dar
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M. M. Zacharia, BA (Dar), MA (Dar)
F. Msola, BA (Dar), MA (Dar)
M. J. Andrew, BA (Dar), MA (Dar)
R.J. Baguma, BA (Dar), MA (Dar)
A. L. Komba, BA (UDOM), MSc. (Istanbul)
E. K. Greyson, BA (Dar), MA (Dar)
W. P. Venance, B. Ed (Morogoro), MSc. (Arusha), MSc. (Dar)

Principal Human Resource Officer I
R. R. Ngeve, B Com (Dar) MBA (Dodoma)

Librarian
I. A. Kichungo, Dip (Bagamoyo)

Senior Procurement Officer
J. N. B. Mwiguta, B. P & S (Dar), MSc (Morogoro)

Principal Accountant II
G.B. Mchau, B. Accounting (Dar)

Principal Office Management Secretary I
G. H. Mlay, Dip (Dar)

ICT officer II
P.J. Bilinzozi, BSc. (Dar), MSc. (Dar)

Senior Office Attendant II
J. S. Mwafulilwa, CSEE (Mbeya)

Driver
J. M. Nyamonge CSE & Driving Certificate (Mara)

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*On study Leave

INSTITUTE OF KISWAHILI STUDIES (IKS)

INTRODUCTION

The Institute of Kiswahili Studies (IKS) is a specialised academic and research institute of the University of Dar es Salaam and a historic centre for the teaching, research, publication and promotion of Kiswahili. Established in 1930 as the Inter-Territorial Language Committee, the Institute has contributed to the development of Kiswahili scholarship, language policy, literature, communication, translation, interpreting, publishing and lexicography. Through research, teaching and its publishing activities, IKS serves Tanzania and the international Kiswahili community. The Institute currently offers two undergraduate programmes: BA Kiswahili, which has been offered since 2009, and BA Kiswahili (Tafsiri na Ukalimani), which was developed in 2025 following a curriculum review.

IKS has two teaching departments: The Department of Kiswahili Language and Linguistics and the Department of Literature, Communication and Publishing. It also has four centres that support research, teaching and the promotion of Kiswahili:

(a) Centre for Kiswahili for Foreigners
(b) Centre for Kiswahili Literature and African Oral and Written Traditions
(c) Centre for Terminologies, Translation, Interpreting and Language Technology
(d) Centre for Lexicography and Kiswahili Grammar

UNDERGRADUATE PROGRAMMES OFFERED

BACHELOR OF ARTS IN KISWAHILI (BA KISWAHILI)

1. Introduction

The Bachelor of Arts in Kiswahili (BA Kiswahili) is a three-year, full-time undergraduate programme. The purpose of the programme is to prepare professionals with knowledge, skills and competencies in language, linguistics, literature, translation, interpreting, editing, publishing, communication, teaching Kiswahili to foreigners, and the use of technology in language research and teaching.

2. Programme Objectives

- To enable students to explain, analyse and critically evaluate the Kiswahili language, and to gain broad understanding of linguistics, literature and language use in society.
- To equip students with skills in creative writing, writing language and literature articles, translation, interpreting, and teaching Kiswahili to foreigners.
- To provide knowledge and skills in communication, editing and publishing, together with basic computer applications in language and literature research and teaching.
- To prepare graduates for postgraduate studies in linguistics, literature, translation, communication and Kiswahili publishing, and for careers in education, media, publishing and language institutions.

3. Entry Requirements/Admission Criteria

3.1 Direct Entry Requirements

An applicant with an Advanced Certificate of Secondary Education Examination (ACSEE) qualification must have passes in five (5) approved CSEE subjects, at least three (3) of which must be at Credit level, and two (2) Principal-level passes in relevant ACSEE subjects, with a total of at least five (5) points from three (3) subjects for Arts programmes. The applicant must have at least a D grade at Principal level in Kiswahili in ACSEE, together with a Principal-level pass in one of the following subjects: English, French, Arabic, Chinese, Geography or History.

3.2 Alternative Entry Requirements

- A relevant NTA Level 6 Diploma recognised by the Senate of the University of Dar es Salaam, with a minimum GPA of 3.5 or an average grade of B under a letter-grade system, together with the programme requirements.
- A relevant Advanced Diploma recognised by the Senate of the University of Dar es Salaam, subject to UDSM and TCU requirements.
- Other qualifications recognised by UDSM/TCU, including foreign qualifications approved by the relevant authority, or successful completion of the UDSM Mature Age Entry Examination.
- A Principal Pass in Divinity or Islamic Knowledge shall not be counted in the admission aggregate. Applicants entering through alternative qualifications must submit valid diploma certificates and transcripts.

4. Duration of the Programme

The BA Kiswahili programme shall be completed in three (3) years of full-time study over six semesters. To qualify for the award of the degree, a student must complete a minimum of 360 credits and a maximum of 432 credits.

5. Overall Programme Assessment

Overall assessment shall be based on continuous assessment, university examinations and other approved practical or project-based assessments. The degree shall not be awarded until all programme requirements have been successfully completed.

6. Examination Regulations

The general examination rules and regulations of the University of Dar es Salaam shall apply to students registered in this programme.

7. Course Structure

The programme is structured over three academic years, with two semesters in each year. Students shall complete the prescribed compulsory and elective courses for the programme.

8. List of Courses

Msimbo	Jina la Kozi	Hadia	Semesta	Hadhi
Mwaka wa Kwanza				
DS 114	Development Perspectives I	12	1	Lazima
KF 102	Utangulizi wa Fasihi (Simulizi na Andishi)	12	1	Lazima
KF 104	Utangulizi wa Mawasiliano	12	1	Hitiari
KI 107	Utangulizi wa Misingi ya Isimu	12	1	Lazima
KI 116	Nadharia za Ufundishaji wa Kiswahili kwa Wageni	12	1	Hitiari
DS 115	Development Perspectives II	12	2	Lazima
KF 103	Nadharia na Uhakiki wa Fasihi	12	2	Lazima
KI 114	Utangulizi wa Nadharia na Mbinu za Tafsiri	12	2	Lazima
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	12	2	Lazima
KF 105	Hadithi Fupi za Kiswahili	12	2	Hitiari
KI 110	Utangulizi wa Isimu Jamii katika Kiswahili	12	2	Hitiari
KI 115	Utangulizi wa Nadharia na Mbinu za Ukalimani	12	2	Hitiari
Mwaka wa Pili				
KF 206	Utangulizi wa Uchapishaji kwa Kiswahili	12	1	Lazima
KF 223	Ushairi wa Kiswahili	12	1	Lazima
KI 211	Historia ya Kiswahili na Lahaja zake	12	1	Lazima

Msimbo	Jina la Kozi	Hadia	Semesta	Hadhi
KF 205	Uandishi wa Kubuni kwa Kiswahili: Nadharia na Vitendo	12	1	Hitiari
KF 219	Falsafa ya Kiafrika katika Fasihi ya Kiswahili	12	1	Hitiari
KI 217	Leksikografia	12	1	Hitiari
KF 222	Mchakato wa Uchapishaji katika Kiswahili	12	2	Lazima
KI 209	Mofolojia ya Kiswahili	12	2	Lazima
KI 218	Tafsiri: Nadharia na Vitendo	12	2	Lazima
KS 224	Nadharia ya Utafiti katika Lugha na Fasihi	12	2	Lazima
KS 230	Mazoezi kwa Vitendo	12	2	Lazima
CT 228	Teacher Education Kiswahili Methods	12	2	Hitiari
KF 207	Mawasiliano Changamani	12	2	Hitiari
KF 220	Uandishi wa Kubuni kwa Kiswahili: Vitendo	12	2	Hitiari
KF 221	Fasihi ya Watoto ya Kiswahili	12	2	Hitiari
KI 210	Nadharia ya Sintaksia na Uchanganuzi wa Kiswahili	12	2	Hitiari
KI 215	Ukalimani: Nadharia na Vitendo	12	2	Hitiari
Mwaka wa Tatu				
KF 319	Tamthiliya ya Kiswahili	12	1	Lazima
KF 304	Fasihi-Linganishi ya Kiswahili	12	1	Hitiari
KI 310	Sintaksia ya Kiswahili	12	1	Lazima
KF 306	Fasihi ya Kiswahili na Jinsia	12	1	Hitiari
KF 307	Tendi za Kiswahili	12	1	Hitiari
KF 318	Riwaya ya Kiswahili	12	2	Lazima
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	12	2	Lazima
KI 311	Semantiki na Pragmatiki ya Kiswahili	12	2	Lazima
KF 303	Elimu Mitindo ya Fasihi ya Kiswahili	12	2	Hitiari
KF 320	Mwandishi Teule	12	2	Hitiari
KI 317	Mbinu za Ufundishaji wa Lugha	12	2	Hitiari
Wanafunzi wa Kigeni				
KF 120	Stadi za Mawasiliano katika Fasihi ya Kiswahili	12	1	Hitiari
KF 323	Misingi ya Utungaji wa Kazi za Kifasihi	12	1	Hitiari
KI 106	Stadi za Matumizi ya Kiswahili	12	1	Hitiari
KI 205	Utangulizi wa Lugha ya Kiswahili	12	1	Hitiari
KF 200	Fasihi Simulizi ya Kiswahili na Utamaduni	12	2	Hitiari
KF 309	Uhakiki wa Kazi za Fasihi Andishi ya Kiswahili	12	2	Hitiari
KF 315	Mitindo ya Kiswahili cha Maandishi katika Fasihi	12	2	Hitiari
KI 101	Mitindo ya Kiswahili cha Mazungumzo	12	2	Hitiari
KI 201	Chimbuko na Asili ya Kiswahili	12	2	Hitiari

BACHELOR OF ARTS IN KISWAHILI (TAFSIRI NA UKALIMANI)

1. Introduction

The Bachelor of Arts in Kiswahili (Tafsiri na Ukalimani) is a three-year, full-time undergraduate programme. The purpose of the programme is to prepare professionals with theoretical and practical knowledge of translation, interpreting, Kiswahili language, editing and the use of ICT, who can provide high-quality services in diverse academic, national and international contexts.

2. Programme Objectives

- To provide students with knowledge of concepts, theories and methods of translation and interpreting.

- To develop students' ability to translate and interpret different types of texts and to assess the quality of translated and interpreted work.
- To enable students to use computer technology and modern tools in translation and interpreting practice.
- To prepare graduates for employment or self-employment in translation, interpreting, editing, media, publishing, and public and private institutions.

3. Entry Requirements/Admission Criteria

3.1 Direct Entry Requirements

A Certificate of Secondary Education Examination (CSEE) or an equivalent qualification, with passes in five (5) approved subjects, at least three (3) of which must be at Credit level.

Two (2) Principal-level passes in the Advanced Certificate of Secondary Education Examination (ACSEE) or an equivalent qualification, with a total of at least six (6) points from three (3) subjects, in accordance with TCU guidelines.

One of the Principal-level subjects must be Kiswahili, together with another relevant language, including English, French, Chinese or another language recognised by the programme.

For applicants who completed ACSEE in 2014 or 2015, the applicable TCU grading and admission requirements for those years shall apply.

3.2 Alternative Entry Requirements

A relevant NTA Level 6 Diploma recognised by the Senate of the University of Dar es Salaam, with a minimum GPA of 3.5 or an average grade of B+ under a letter-grade system.

A relevant Diploma in language or education containing language studies, awarded by a recognised institution and accepted by the Senate of the University of Dar es Salaam, with an average grade of B+ or a GPA of 3.5.

An Advanced Diploma or another academic qualification recognised by UDSM/TCU, including a foreign qualification approved by the relevant authority, or successful completion of the UDSM Mature Age Entry Examination.

In addition to other requirements, an international student who does not have adequate Kiswahili proficiency must attend and pass the basic Kiswahili training for foreign students offered by the University of Dar es Salaam.

4. Duration of the Programme

The BA Kiswahili (Tafsiri na Ukalimani) programme shall be completed in three (3) years of full-time study over six semesters. To qualify for the award of the degree, a student must complete a minimum of 360 credits and a maximum of 432 credits.

5. Overall Programme Assessment

Overall assessment shall be based on continuous assessment, university examinations, practical training and approved project-based assessments. The degree shall not be awarded until all programme requirements have been successfully completed.

6. Examination Regulations

The general examination rules and regulations of the University of Dar es Salaam shall apply.

7. Course Structure

The programme courses are arranged over three years, with two semesters in each year. Each regular course carries 12 credits, except Practical Training, which follows its own assessment procedures. The total credit load for graduation shall be not less than 360 and not more than 432 credits.

8. List of Courses

Msimbo	Jina la Kozi	Hadia	Semesta	Hadhi
Mwaka wa Kwanza				
DS 114	Development Perspectives I	12	1	Lazima
KI 112	Tafsiri kwa Vitendo I: Matini za Habari na Mawasiliano ya Umma	12	1	Lazima
KI 114	Utangulizi wa Nadharia na Mbinu za Tafsiri	12	1	Lazima
KF 102	Utangulizi wa Fasihi (Simulizi na Andishi)	12	1	Hitiari
KI 119	Fonetiki na Fonolojia ya Kiswahili	12	1	Hitiari
CM 107	Comprehensive Chinese I	12	1	Hitiari
CM 110	Chinese Listening and Speaking I	12	1	Hitiari
LL 104	Introduction to Sign Language	12	1	Hitiari
LL 119	English Listening and Speaking Skills	12	1	Hitiari
LL 186	Textual Analysis in French/Literature in French	12	1	Hitiari
DS 115	Development Perspectives II	12	2	Lazima
KI 115	Utangulizi wa Nadharia na Mbinu za Ukalimani	12	2	Lazima
KI 121	Mawasiliano katika Ukalimani	12	2	Lazima
KI 113	Ukalimani Masafa	12	2	Hitiari
KF 103	Nadharia na Uhakiki wa Fasihi	12	2	Hitiari
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	12	2	Hitiari
CM 108	Comprehensive Chinese II	12	2	Hitiari
CM 114	Chinese Reading Skills I	12	2	Hitiari
LL 184	Intermediate Communication Skills in French/Oral Proficiency in French	12	2	Hitiari
LL 120	English Reading and Writing Skills	12	2	Hitiari
LL 130	Editing and Proofreading I	12	2	Hitiari
KS 130	Mazoezi kwa Vitendo	12	2	Lazima
Mwaka wa Pili				
KI 209	Mofolojia ya Kiswahili	12	1	Hitiari
KI 228	Tafsiri kwa Vitendo II: Matini za Kiufundi na za Kitaaluma	12	1	Lazima
KI 229	Ukalimani kwa Vitendo I	12	1	Lazima
KF 226	Uhariri katika Matini za Kiswahili	12	1	Lazima
KI 211	Historia ya Kiswahili na Lahaja zake	12	1	Hitiari
KI 225	Mbinu za Ufundishaji wa Lugha	12	1	Hitiari
CM 201	Comprehensive Chinese III	12	1	Hitiari
CM 206	Chinese Writing Skills I	12	1	Hitiari
CM 211	Chinese Listening and Speaking II	12	1	Hitiari
LL 285	French Grammar	12	1	Hitiari
LL 287	Presentation Skills in French	12	1	Hitiari
KI 217	Leksikografia ya Kiswahili	12	1	Hitiari
LL 231	Editing and Proofreading II	12	1	Hitiari
KI 231	TEHAMA katika Tafsiri	12	2	Lazima

Msimbo	Jina la Kozi	Hadia	Semesta	Hadhi
KI 232	Terminografia na Terminolojia katika Tafsiri na Ukalimani	12	2	Lazima
KS 227	Methodolojia za Utafiti katika Lugha na Fasihi	12	2	Lazima
KI 226	Mbinu za Uandishi wa Kiswahili	12	2	Hitiari
CM 208	Comprehensive Chinese IV	12	2	Hitiari
CM 212	Chinese Writing Skills II	12	2	Hitiari
LL 284	French Linguistic Theories	12	2	Hitiari
LL 286	The Sociolinguistics of French Language	12	2	Hitiari
LL 204	Introduction to Tanzanian Sign Language	12	2	Hitiari
LL 220	English Grammar	12	2	Hitiari
KS 230	Mazoezi kwa Vitendo	12	2	Lazima
Mwaka wa Tatu				
KI 321	Tafsiri kwa Vitendo II: Matini za Kiutamaduni na Kifasihi	12	1	Lazima
KI 322	Ukalimani kwa Vitendo II	12	1	Lazima
KI 310	Sintaksia ya Kiswahili	12	1	Lazima
KI 332	Kutathmini Matini ya Tafsiri	12	1	Hitiari
KF 319	Tamthilia ya Kiswahili	12	1	Hitiari
CM 214	Chinese Grammar	12	1	Hitiari
CM 307	Practical Translation in Swahili and Chinese	12	1	Hitiari
LL 317	Introduction to English Pragmatics	12	1	Hitiari
LL 333	Editing and Proofreading III	12	1	Hitiari
LL 386	Argumentation Skills in French	12	1	Hitiari
LL 388	French for Tourism	12	1	Hitiari
KI 334	Mradi wa Tafsiri	12	2	Lazima
KI 324	Ujasiriamali katika Tafsiri na Ukalimani	12	2	Lazima
KI 311	Semantiki na Pragmatiki ya Kiswahili	12	2	Lazima
CM 304	Introduction to Chinese Semantics	12	2	Hitiari
CM 306	Chinese Culture	12	2	Hitiari
LL 304	Tanzanian Sign Language Structure	12	2	Hitiari

IKS STAFF LIST

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Lecturer and Coordinator
M. M. Shembilu, BEd, MA, PhD (Dar)

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* On Study Leave

** On Sabbatical Leave

INSTITUTE OF MARINE SCIENCES (IMS)

INTRODUCTION

The Institute of Marine Sciences (IMS) is located in Zanzibar at Buyu area, with sub-campuses in Mizingani Street, "Stone Town" and Pangani 'District" with "Town area in " Tanga"'Region". The Institute comprises two academic sections, namely, Marine and Coastal Resources Management (MCRM) and Geosciences, Oceanography and Applied Technology (GOAT). The Institute also has a cross-cutting Information and Communication Technology (ICT) section, which provides GIS services, and houses the National Oceanographic Data Centre (TzNODC) as well as the Marine Education Extension Development (MEED) section, which is the outreach arm for the Institute. Pangani Mariculture Centre provides leadership in green mariculture technologies while Mizingani Center is strengthened to provide green fisheries technologies.

Undergraduate Degrees offered by the Institute

IMS offers two undergraduate programmes as listed below:

i. Bachelor of Science in Marine Sciences (BSc MASC)
ii. Bachelor of Science in Oceanography (BSc OCEG)

A. BACHELOR OF SCIENCE IN MARINE SCIENCES (BSCMASC)

Entry Requirements for BSc MASC

i. Direct Entry (Form VI) Qualifications:
   At least two A-level passes at a minimum of D grade, with one of the subjects being biology.

ii. Equivalent Qualifications:
   This programme shall also admit candidates with at least upper second-class diploma in Fisheries Science and Technology, Fisheries Management and Technology, Forest Management and Nature Conservation, Aquaculture, Agriculture, Education (with science subjects), Maritime, Environment and Coastal Resources Management and Fish Processing with a GPA of not less than 3.5 or an average of B+ from institutions recognised by NACTVET/TCU and approved by UDSM Senate. In addition, applicants must possess a minimum of "C" grade in Biology at O-Level.

Practical Training

The BSc MASC programme involves two practical trainings (PTs), one each after second semester University Examinations in the first and second year. During their final year each student is required to undertake a final year research project. The project starts at the end of the second practical training, with the students proposing the Research Project title to facilitate allocation of a supervisor, after which the candidates undertake their project research, write up and present their research reports.

Practical / Research Project Training

Code	Duration	Location	Timing	Remarks
OC 199 OC 299 OC 399	8 weeks 8 weeks 8 weeks	Various Various Various	July July Semester I & II	Field Report Field Report Research project

Special Institute Requirements

College/School/Institute	Program	Items
IMS	BSc MASC	Laboratory coats, gloves (box), protective eye glasses, mouth masks, diving mask and fins

Summary of Bachelor of Science Degree in Marine Sciences (BSc MASC) Courses

Code	Course Title	Credits	Semester	Status
First Year				
DS 114	Development Perspective I	12	1	Core
OS 111	Introduction to Informatics for Marine Scientists	12	1	Core
OS 121	Biological Oceanography	8	1	Core
OS 131	Chemical Oceanography I	8	1	Core
OS 112	Geological Oceanography I	8	1	Core
OS 113	Physical Oceanography	8	1	Core
CL 107	Communication Skills for Science students	12	1	Elective
OS 114	Physical Sciences Marine Instrumentation	12	1	Elective
DS 115	Development Perspectives II	12	2	Core
OS 132	Molecular Biology for Marine Science	8	2	Core
OS 133	Marine Microbiology	8	2	Core
OS 134	Chemical Oceanography II	8	2	Core
OS 115	Geological Oceanography II	8	2	Core
OS 199	Practical Training, I	8	2	Core
OS 135	Marine Product Sanitation and Quality Control	8	2	Elective
OS 123	Socio-economic Aspects in Coastal and Marine Resources	12	2	Elective

Second Year				
OS 221	Introduction to Fisheries Science	8	1	Core
OS 222	Biology and Ecology of Mangroves	8	1	Core
OS 223	Marine Phytoplankton Systematics and Primary Production	12	1	Core
OS 211	Principles of Coastal and Marine GIS and Remote Sensing	12	1	Core
OS 231	Introduction to Aquaculture	8	1	Core
OS 212	Biostatistics for Marine Scientists	8	1	Core
OS 224	Introduction to Environmental Assessment for Marine Scientists	8	1	Elective
OS 232	Introduction to Marine Pollution and Control	12	1	Elective
OS 225	Fish Biology and Taxonomy	12	1	Core
OS 226	Coastal and Marine Ecology	12	2	Core
OS 213	Marine Non-living Resources	12	2	Core
OS 214	Scientific Writing and Communication	8	2	Core
OS 215	Survival and Safety in the Marine Environment	8	2	Core
OS 299	Practical Training II	8	2	Core
OS 227	Coastal and Marine Ecotourism	12	2	Elective
OS 216	Introduction to Coastal and Marine Spatial Planning	12	2	Elective
Third Year				
OS 321	Fish Stock Assessment	8	1	Core
OS 322	Post-harvest losses in Fisheries and Aquaculture	12	1	Core
OS 331	Aquaculture Nutrition	12	1	Core
OS 332	Breeding and Stock Enhancement in Aquaculture	12	1	Core
OS 311	Climate Change and Variability	12	1	Core
OS 333	Mariculture Technologies	12	1	Elective
OS 312	Coastal and Nearshore Processes	8	1	Elective
OS 313	Marine Products Marketing, Entrepreneurship and Innovation	8	2	Core
OS 334	Algae Biotechnology and Bioeconomy	8	2	Core
OS 323	Marine Plant Physiology	12	2	Core
OS 314	Introduction to Petroleum Geology	8	2	Core
OS 399	Research Project	8	2	Core
OS 315	Introduction to Coastal Engineering	12	2	Core
OS 324	Ocean Governance and Coastal Resources Management	8	2	Elective
OS 316	Principles of Geophysics	8	2	Elective
OS 317	Hydrogeology	8	2	Elective

B. BACHELOR OF SCIENCE IN OCEANOGRAPHY (BSc OCEG)

i. Entry Requirements for the BSc OCEG

Direct entry admission into this program will be based on possession of at least two A-level principal passes at a minimum of D grade, with one of the subjects being Physics. This Programme may also admit candidates with at least a second-class diploma in Geomatics, Hydrology and Meteorology, Marine Engineering, Education (Mathematics and Physics, Physics and Chemistry), Hydrogeology, and Environmental Engineering. Processing from recognized institutions within and outside the country. In addition, applicants must possess a minimum of "C" grade in Mathematics and Chemistry at O-Level.

Practical Training

The BSc OCEG programme involves two practical trainings (PTs), one each after second semester University Examinations in the first and second year. During their final year each student is required to undertake a final year research project. The project starts at the end of the second practical training, with the students proposing the Research Project title to facilitate allocation of a supervisor, after which the candidates undertake their project research, write up and present their research reports.

Practical / Research Project Training

Code	Duration	Location	Timing	Remarks
OS 199 OS 299 OS 399	8 weeks 8 weeks 8 weeks	Various Various Various	July July Semester I & II	Field Report Field Report Research project

Special Institute Requirements

College/School/Institute	Program	Items
IMS	BSc MASC	Laboratory coats, gloves (box), protective eye glasses, mouth masks, diving mask and fins

Summary of the BSc OCEG Courses

Code	Course Title	Credits	Semester	Status
First Year				
DS 114	Development Perspective I	12	1	Core
OS 116	Applied Physics	12	1	Core

Code	Course Title	Credits	Semester	Status
OS 117	Mathematics	8	1	Core
OS 121	Biological Oceanography	8	1	Core
OS 111	Introduction to Informatics for Marine Scientists	12	1	Core
OS 113	Physical Oceanography	8	1	Core
DS 115	Development Perspectives II	12	1	Core
OS 136	Chemical Oceanography	12	1	Core
OS 118	Geological Oceanography	12	2	Core
OS 119	Fundamentals of Computer Programming	8	2	Core
OS 141	Hydrodynamics	12	2	Core
OS 199	Practical Training, I	8	2	Core
Second Year				
OS 217	Ocean and Coastal Hazard Forecasting	12	1	Core
OS 232	Introduction to Marine Pollution and Control	8	1	Core
OS 211	Principles of Coastal and Marine GIS and Remote Sensing	12	1	Core
OS 218	Statistics for Marine Scientists	8	1	Core
OS 224	Introduction to Environmental Assessment for Marine Scientists	12	1	Core
OS 215	Survival and Safety in the Marine Environment	8	1	Elective
OS 243	Biogeochemistry	12	1	Core
OS 219	Oceanographic Survey	12	1	Core
OS 214	Scientific Writing and Communication	8	1	Core
OS 299	Practical Training II	8	2	Core
OS 242	Paleoceanography	12	2	Core
OS 216	Introduction to Coastal and Marine Spatial Planning	12	2	Elective
OS 241	Sedimentary Hydrodynamics	8	2	Elective
Third Year				
OS 318	Ocean Modelling and Application	12	1	Core
OS 312	Coastal and Nearshore Processes	12	1	Core
OS 319	Seamanship, Navigation and Fishery Observation	12	1	Core
OS 324	Introduction to Ocean Governance	8	1	Core
OS 341	Descriptive Physical Oceanography	12	1	Core
OS 342	Hydrographic Practice and Data Management	8	1	Elective
OS 311	Climate change and Variability	12	1	Elective
OS 343	Introduction to Marine Renewable Energy Harnessing	12	2	Core
OS 316	Principles of Geophysics	8	2	Core
OS 345	Marine Non-Living Resources and Exploration	12	2	Core
OS 399	Research Project	8	2	Core
OS 315	Introduction to Coastal Engineering	12	2	Core
OS 344	Marine Acoustics	8	2	Elective
OS 346	Ocean Human Health	8	2	Elective

NON-DEGREEE PROGRAMMES

IMS offers two non-degree programmes:

i. Diploma in Coastal and Marine Ecotourism (DipCOME)
ii. Diploma in Applied Mariculture Technology (DipAMTEC)

A: DIPLOMA IN COASTAL AND MARINE ECOTOURISM (DipCOME)

i. Entry requirements for DipCOME

Possession of a Technician Certificate (NTA Level 5), NQF Level 5 Certificate, NQF level 6 Certificate in either of the following disciplines: Tour Guiding Operations, Tourism Management, Wildlife Management, Fisheries Science and Technology, Fisheries Management and Technology, Forest Management and Nature Conservation, Maritime, Environment and Coastal Resources Management, with a minimum GPA of 3.0.

ii. Practical Training

Most courses in the programme have practical/fieldwork components to expose the students to real world problems of coastal and marine tourism and enable them to gain practical skills. These components mainly take the form of fieldwork, visits to coastal and marine tourism attractions, industrial placements, and few laboratories practical sessions. Industrial placement in relevant tourism institutions will be compulsory for all students and will be conducted in the first semester of the second year of **study.**

iii. Practical / Research Project Training

Practical / Research Project Training

Code	Duration	Location	Timing	Remarks
OS 099	15 weeks	Tourism institutions	Semester 1, year 2	Report

iv. Special Institute Requirements

College/School/Institute	Program	Items
IMS	DipCOME	Laboratory coats, gloves (box), protective eye glasses, mouth masks, diving mask and fins

Summary of DipCOME Courses

Code	Course Title	Credits	Semester	Status
First year				
OS 011	Communication Skills for Tourism	12	1	Core
OS 012	Computer Applications in Tourism	12	1	Core
OS 013	Swimming and Survival	12	1	Core
OS 023	Introduction to Tourism and Hospitality Management	12	1	Core
OS 025	Tour Guiding and Interpretation Skills	12	1	Core
OS 021	Introduction to Coastal and Marine Ecosystems	12	2	Core

Code	Course Title	Credits	Semester	Status
OS 024	Marine Restoration Ecology and Eco-Park	12	2	Core
OS 027	Marine Animal and Plant Taxonomy	12	2	Core
OS 028	Tourism Entrepreneurship and Innovation	12	2	Core
OS 016	Research Fundamentals for Coastal and Marine Ecotourism	12	2	Core
Second year				
OS 099	Industrial Placement	60	1	Core
OS 052	Coastal Recreation and Marine Sport	12	2	Core
OS 053	Tourism Marketing and Promotion	12	2	Core
OS 056	Contemporary Tourism Management	12	2	Core
OS 026	Cultural Heritage and Community Based Ecotourism	12	2	Core
OS 054	Climate Change and Coastal Tourism	12	2	Core

B: DIPLOMA IN APPLIED MARICULTURE TECHNOLOGY (DipAMTEC)

i. Entry requirements for DipAMTEC

Direct entry admission into this program will be based on possession of a Technician Certificate (NTA Level 5), NQF Level 5 Certificate or NQF Level 6 Certificate, in either of the following disciplines: Aquaculture Technology, Fisheries Management and Technology and Fisheries science and Technology (or related field) with a minimum GPA of 3.0 out of 5.0. Others include Animal husbandry and production, Maritime, Environment and Coastal Resources Management and Fish Processing from recognized institutions within and outside the country.

ii. Practical Training

Most courses in the programme have practical/fieldwork components to expose the students to real world problems and enable them to gain practical skills. These components mainly take the form field excursions and practicals to various fish cultured sites, fish processing, and value addition facilities, industrial placements, and few laboratories practical sessions. Industrial placement in relevant tourism institutions will be compulsory for all students and will be conducted in the first semester of the second year of study**.**

iii. Practical / Research Project Training

Practical / Research Project Training

Code	Duration	Location	Timing	Remarks
OS 099	15 weeks	Mariculture farms/ value additional facilities	Semester 1, year 2	Report

iv. Special Institute Requirements

College/School/Institute	Program	Items
IMS	DipAMTEC	Laboratory coats, gloves (box), protective eye glasses, mouth masks, diving mask and fins

Summary of DipAMTEC Courses

Code	Course Title	Credits	Semester	Status
First year				
OS 031	Fundamentals of Aquaculture	12	1	Core
OS 081	Introduction to Marine Fisheries	12	1	Core
OS 013	Swimming and Survival	12	1	Core
OS 015	Communication Skills	12	1	Core
OS 041	Computer Applications	12	1	Core
OS 018	Coastal and Marine Environment	12	2	Core
OS 034	Applied Nutrition and Feeding in Mariculture	12	2	Core
OS 064	Mariculture Disease and Control	12	2	Core
OS 039	Introduction to Fish Genetics in Mariculture	12	2	Core
OS 066	Entrepreneurship in Mariculture Products	12	2	Core
Second year				
OS 099	Industrial Placement	60	1	Core
OS 065	Seaweed Farming and Value Addition	12	2	Core
OS 032	Mariculture Production Systems	12	2	Core
OS 038	Larviculture and Management	12	2	Core
OS 062	Aquatic Products Handling and Processing	12	2	Core
OS 037	Hatchery Production and Management	12	2	Core

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V. Swai, BSc (Dar), MSc (Belgium), PhD (Dar)

Coordination
Lecturer and Coordinator Curriculum Development, Intellectual Property and Quality Assurance (POQA)
D. J. Msangameno, BSc (Dar), MSc (Aas), PhD (Dar)

Lecturer and Coordinator, Postgraduate Studies
R. O. Ismail, BSc, MSc (Dar), PhD (Stockholm)

Lecturer and Coordinator, Research and Intellectual Property (ResIP)
B. A. Tarimo, BSc (Morogoro), MSc (Dar), PhD (Stockholm)

Lecturer and Coordinator, Undergraduate Studies, International Relations and Partnerships (IRP)
R. A. Kitula, BSc, MSc, PhD (Morogoro)

Lecturer and Coordinator of Non-Degree Studies (Diplomas)
F. P. Mmanda, BSc (Morogoro), MSc (Ningbo), PhD (Uppsala)

Lecturer and Coordinator, Pangani Mariculture Center
M. M. Mapombe, BSc (Morogoro), MSc, PhD (Dar)

Senior Lecturer and Coordinator, Blue Economy Committee (BEC)
M. S. Shalli, BSc, MSc (Morogoro), PhD (Dar)

Assistant Lecturer and Coordinator, Information and Communication Technology (ICT) and Library Services
K. J. Kamnde, BA (Dar), MSc (Twente)

Principal Technician and Coordinator, Laboratory Services and Field Operations
L. M. Mwadini, Dip (Pwani), BSc (Dar)

MARINE AND COASTAL RESOURCES MANAGEMENT SECTION (MCRM)
Lecturer and Head of Section
M. S. Shalli, BSc, MSc (Morogoro), PhD (Dar)

Senior Lecturers
M. S. Kyewalyanga, BSc (Dar), MSc, PhD (Dalhousie)
M. M. Mangora, BSc, MSc (Morogoro), PhD (Dar)
M. S. Shalli, BSc, MSc (Morogoro), PhD (Dar)

Lecturers
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R. O. Ismail, BSc, MSc (Dar), PhD (Stockholm)
B. A. Tarimo, BSc (Morogoro), MSc (Dar), PhD (Stockholm)
B. M. Yahya, BSc, MSc, PhD (Dar)

Assistant Lecturers
*H. J. Kizenga, BSc, MSc (Dar)
*A. P. Rubekie, BSc, MSc (Dar)
H. A. Nyangasa, BSc, MSc (Morogoro)
*F. J. Peter, BSc, MSc (Dar), MSc (Brussels)

Tutorial Assistants
S. A. Ngirini, BSc, (Dar)
F. A. Salim, BSc (Dar)
M. P. Mtungé, BSc (Morogoro)
T. M. Yahya, BSc (Morogoro)
J. J. Wegoro, BSc (Dar)

Laboratory Technicians
M. M. Mwadini, Dip (Pwani), BSc (Dar)
F. S. Swedi, Dip, BSc (Dar)
O. M. Rajabu, BSc (Dar)

GEOSCIENCES, OCEANGRAPHY AND APPLIED TECHNOLOGY(GOAT)
Assistant Lecturer and Head of Section
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Lecturers
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M. M. Mapombe, BSc (Morogoro), MSc, PhD (Dar)
F. P. Mmanda, BSc (Morogoro), MSc (Ningbo), PhD (Uppsala)

Assistant Lecturers
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*J. O. Ntagunda, BSc, MSc (Dar)
V. Swai, BSc (Dar), MSc (Belgium)
J. T. Juma MSc (Dodoma)
K. J. Kamnde, BA (Dar), MSc (Twente)
G. B. Ngomano, BSc (Dar), MSc (Ibadan)

Tutorial Assistants
I. E. Mgata, BSc (Dar)
M. R. Juma, BSc (Dar)
T. S. Kahale, BSc (Dar)
T. B. Paschal, BSc (Dar), MSc (Dar).
R. Hamis, BSc (Dar)
E. K. Paul, BSc (Dar)
K. M. Mkami BSc (Dar)
M. Mwasampeta BSc (Dar)
E. L. Agwanda, BSc, MSc (Dar)

Laboratory Scientist
M. K. Maalim, BSc (Dar), MSc (Ryukyus), PhD (Dar)
L. M. Sindato, BSc (Morogoro)

Laboratory Technicians
J. A. Abel, Dip (Mwanza), BLTM (Dar)
*K. E. Sangande, Dip (Arusha)
*N. E. Kimambo, Dip (Mbeya)
D. R. Richard, Dip (Dar)

Others

Library
Senior Library Officer
F. A. Uki, BA, MA (Dar)

Library Officer II
H. S. Nova, Dip, BSc (Morogoro)

Library Assistant II
J. A. Ngulangwa, Cert (Dar)

Registry
Records Management Assistant II
M. A. Mhando, Cert, Dip (Zanzibar)

Transport
Driver II
K .J. Said, Cert (Kilimanjaro)
H.S. Chilumba, Cert (Dar)
*** H. M. Choum Cert (Zanzibar)

Finance
Senior Accounts Officer I
R. Z. Hamad, Adv. Dip (Dar)
G. S. Elias, Dip (Dodoma)

Office Management
Office Management Secretary
Z. N. Salum, Cert, Dip (Zanzibar)
Z. O. Shurua, Dip (Tanga)
S. K. Chilowe, Dip (Dar)

Dean of Student's Office
Warden I
F. M. Juma, BSc (Dar)

Janitor II
S. I. Mgaya, Dip (Mara)

ICT
Assistant ICT officer
***Y. R. Hussein, Dip (Dar)

Dispensary
Clinical Officer I
A. M. Khamis, Dip (Zanzibar)

Clinical Officer II
A. N. Mtana, Dip (Kigoma)

Senior Assistant Technologist II
H. R. Mabula, Cert (Dar)

Assistant Nursing Officer II
T. A. Salim, Dip (Zanzibar)

Auxiliary Police
Assistant Inspector
M. O. Khatibu, Basic Cert (Morogoro), Inspector (Dar)

Auxiliary Police Corporal
S. F. Akil, Basic Cert, Sergeant Cert (Morogoro)
Z. A. Tabu, Basic Cert, Sergeant Cert (Morogoro)
A. I. Mohamed, Basic Cert, Sergeant Cert (Morogoro)

Auxiliary Police Constable
S. A. Said, Basic Cert (Morogoro)
R. G. Khalid, Basic Cert (Morogoro)

Office Attendant
***M. M. Fred, Cert. (Dar)
***A. H. Mkadamu, Basic Cert (Zanzibar)

* On Study Leave
** On Sabbatical
***On contract

CONFUCIUS INSTITUTE AT THE UNIVERSITY OF DAR ES SALAAM (CI-UDSM)

1.0 INTRODUCTION

The Confucius Institute at the University of Dar es Salaam (CI-UDSM) was established in 2013 under the Agreement between UDSM in Tanzania and Confucius Institute Headquarters and Zhejiang Normal University in China.

The main objectives of CI-UDSM are to meet Tanzanian people's growing need of understanding the Chinese language, culture, technology and skills and to increase mutual understanding between Chinese and Tanzanian people. CI also acts as a platform for socio-political and economic exchanges and collaborations between China and Tanzania.

In addition, CI will stimulate research on various aspects of Sino-Tanzania relations, including history, education, and science in technology. Besides, CI is linking the University students and the Chinese companies in Tanzania by recommending appropriate talents to companies and finding job opportunities for the graduates.

Vision

Confucius Institute at UDSM devotes itself to satisfy the demands of Tanzanian people who learn the Chinese language, to enhancing understanding of the Chinese language and culture by Tanzanians, to strengthening educational and cultural exchange and cooperation and deepening friendly relationships between China and Tanzania, to promote the development of multi- multicultural and to constructing a harmonious world.

Mission

Teaching Chinese language; Training Chinese language instructors and providing Chinese language teaching resources;Holding the HSK and HSKK (Chinese Proficiency Test), YCT (Youth Chinese Test) and BCT (Business Chinese Test) and CTCSOL (Certificate for Teachers of Chinese to speakers of other Languages; Providing information and consultative services concerning China's education, culture and so on; Conducting language and cultural exchange activities between China and Tanzania; Providing in service training for Tanzanian Chinese teachers

2.0 Chinese Language Elective Courses (CLEC)

During the academic year 2017/18 CI-UDSM changed the former General Chinese Language Programme of non-degree courses to Chinese Language Elective Courses (ELEC). Students in various degree programmes are allowed to opt for the Elective Courses in relatively the same way that they opt for university-wide courses, such as Communication Skills (in the College of Humanities) and Development Perspectives (in the Institute of Development Studies).

2.1 Course Management, Structure and Course Outlines

Code	Title	Status	Credits
FIRST YEAR: SEMESTER I			
CM 105	Chinese Language Course for Beginners I	Elective	12
FIRST YEAR: SEMESTER II			
CM 109	Chinese Language Course for Beginners II	Elective	12

SECOND YEAR: SEMESTER I			
CM 209	Chinese Language Course for Intermediate Learners I	Elective	12
SECOND YEAR: SEMESTER II			
CM 210	Chinese Language Course for Intermediate Learners II	Elective	12
Code	**Title**	**Status**	**Credits**
THIRD YEAR: SEMESTER I			
CM 308	Chinese Language Course for Advanced Learners I	Elective	12
THIRD YEAR: SEMESTER II			
CM 309	Chinese Language Course for Advanced Learners II	Elective	12
Total			**72**

2.2 Comparing CLEC to General Chinese Language Proficiency

A student completing CLEC will be able to attempt the Chinese Proficiency Test (HSK) and get certificates that are internationally recognized. The following table compares the CLEC and HSK levels.

Code	Title	Credits	Benchmark to HSK
CM 105	Beginners Level	24	HSK Level 1
CM 109			
CM 209	Intermediate Level	24	HSK Level 2
CM 210			
CM 308	Advanced Level	24	HSK Level 3
CM 309			

2.3 Course Registration Requirements

Any student admitted in an undergraduate programme of the University of Dar es Salaam or its constituent college shall be deemed eligible to register for CLEC. However, a student shall be required to complete the prerequisite level course(s) before he/she can register for the next level. That is, a student must complete CM 105 and CM 109 and pass the University examination in order to register for CM 209 and CM 210. Nevertheless, a student is not compelled to complete all six courses. He/she can register for CM 105 in any year of one's study and continue with the other courses in subsequent years, in which case he/she will only be able to complete a few levels. For example, a student registering for the courses in the second year will be able to complete two levels only: Beginners and Intermediate.

3.0 Diploma in Chinese Language

From the academic year 2018/2019 CI-UDSM is offering a two-year diploma program in Chinese Language. The course is offered at the University of Dar es Salaam Mwalimu J. K. Nyerere Campus.

3.1 Entry Requirements

A candidate shall be considered eligible for admission to the diploma in Chinese programme if he/she has the following qualifications:

a) Holder of Advanced Certificate of Secondary School Examination (ACSEE) with at least ONE (1) principal pass and Subsidiary;

b) Certificate of Secondary Education (CSEE) with FOUR (4) passes in non-religious subjects and HSK (Chinese Proficiency Test, an international standardized Chinese test) level II; OR

c) One-year Basic Certificate Course.

3.2 Nature of Practical Training

Practical training will consist of 30% of total course hours of which students will be required to do the practice in all four language skills in Chinese companies.

3.3 Details on Programme Assessment

3.3.1 Assessment Strategy

The programme assessment will be based on combining coursework or continuous assessment and final examination. Theory based courses are set to have 40% coursework and 60% final written examination. Practical based courses will have 40% coursework and 60% final examination.

3.3.2 Examination Regulations

The general University of Dar es Salaam examination rules and regulations shall apply.

3.4 Programme Structure and Course Outlines

The course structure below presents a list of courses a student in Diploma programme in Chinese will take. The course Code "CM" stands for the Chinese Mandarin variety, which is the focus of the Confucius Institute studies.

Code	Course Title	Status	Credits
First Year: Semester I			
CM 010	Basic Chinese Listening I	Core	12
CM 011	Basic Chinese Speaking I	Core	12
CM 012	Basic Comprehensive Chinese I	Core	12
CM 102*	Chinese Characters	Core	12
CM 013	Basic Chinese Reading I	Core	12
Total			**60**
First Year: Semester II			
CM 014	Basic Chinese Listening II	Core	12
CM 015	Basic Chinese Speaking II	Core	12
CM 016	Basic Comprehensive Chinese II	Core	12
CM 017	Basic Chinese Reading II	Core	12
CM 018	Basic Chinese Writing I	Core	12
Total			**60**
Second Year: Semester I			
CM 019	Intermediate Chinese Listening and Speaking I	Core	12
CM 020	Intermediate Comprehensive Chinese I	Core	12
CM 021	Basic Chinese Writing II	Core	12
CM 022	Tourism Chinese	Core	12
CM 023	Introduction to Chinese Grammar I	Core	12
Total			**60**
Second Year: Semester II			
CM 024	Intermediate Chinese Listening and Speaking II	Core	12
CM 025	Intermediate Comprehensive Chinese II	Core	12
CM 026	Business Chinese	Core	12
CM 027	Introduction to Chinese Culture	Core	12
CM 028	Introduction to Chinese Grammar II	Core	12
Total			**60**

Note: CM stands for Chinese ~ Mandarin an English oriented meaning of Chinese language studies

HSK & HSKK
(Chinese Proficiency Test)

HSK and HSKK are international standardized Chinese language tests which measure the ability of non-native Chinese speakers to communicate in Chinese in their daily lives, academic activities and working settings.

HSK comprises six levels, i.e., from HSK-Level 1 to HSK-Level 6.

HSKK mainly examines the oral ability in Chinese, including HSKK (primary), HSKK (intermediate) and HSKK (advanced).

Testing time: March, May, June and December. For more information, please visit www.chinesetest.cn

Types	HSK Requirements
Scholarship for Master's Degree in Teaching Chinese to Speakers of other Languages (MTCSOL)	Applicants shall hold a Bachelor's degree and have a minimum score of 210 on the HSK Test (Level 5) and 60 on the HSKK Test (Intermediate Level)
Scholarship for Bachelor's Degree in Teaching Chinese to Speakers of other Languages (BTCSOL)	Applicants shall hold a high school diploma and a minimum score of 210 on the HSK Test (Level 4) as well as 60 on the HSKK test (Intermediate Level)
Scholarship for One Academic Year Study Students	At least 270 on the HSK Test (Level 3) and own a notarized score in HSKK test for program of Teaching Chinese to Speakers of other Languages At least 180 on the HSK Test (Level 4) and 60 on the HSKK test for programme of Chinese Language and Literature, Chinese History and Chinese Philosophy At least 210 on the HSK Test (Level 3) for programme of Chinese Language Training

Chinese Summer Camp
Every year between May to August, Confucius Institute at UDSM organizes Chinese Summer Camps known as *Educators trip/tour Secondary Students and staff and University students* in China which enables students to experience the Chinese language and culture. Students are only required to pay the international flight fare and the Confucius Institute will cover all accommodation expenses whereby for educators' trip Confucius covers everything.

Chinese Bridge
Every year in May, CI-UDSM organizes Chinese Bridge – Chinese proficiency competition for local college students. The first and second winners are chosen as the Tanzanian representatives to participate in the global Chinese-Bridge Competition in China and visit Chinese cities. All the expenses including the international airfare, accommodation, food and the transportation in China are covered by Confucius Institute.

Educators' Delegation
Every year, CI-UDSM organises a one-week Educators' Delegation to China aimed at strengthening cooperation between universities and fostering mutual understanding between the two nations. During the visit, delegates also have the opportunity to experience Chinese language and culture firsthand. Applicants are required to cover only the international airfare and visa fees. All expenses in China – including accommodation, meals and local transport – are covered by ZJNU.
Eligibility: Applicants must be below 65 years of age.

Registration Time: Anytime for Short course

Chinese Short Courses – Confucius Institute at University of Dar es Salaam

- Courses: Basic Chinese Level I & II Intermediate Chinese Level I & II
- Time and Days: 16:30 – 18:30 on Mondays, Tuesdays, Thursdays and Fridays
  Duration: 2 months for each level; starting January to December each year
- Tuition fees: **Tshs 120,000** for UDSM students; **Tshs 150,000** for Secondary School students, **Tshs 200,000** for UDSM staff and students from other Universities, form four and form six leavers (in the respective years) and **Tshs 300,000** for others.

Current Affiliated Institutions –This may change depending on demand and availability of Chinese Language Teachers:

1. Dar es Salaam University College of Education (DUCE) – Dar es Salaam;
2. Mkwawa University College of Education (MUCE) – Iringa;
3. Ardhi University (ARU) – Dar es Salaam ;
4. Mwalimu Nyerere Memorial Academy (MNMA) – Dar es Salaam;
5. Tanzania Institute of Accountance (TIA);
6. St. Augustine University of Tanzania- Mwanza (SAUT);
7. Nyangao Secondary School and Wonder Kids Pre & Primary School;
8. St. Matthew Secondary School;
9. Baobab Secondary School.

CI-UDSM STAFF LIST

Chinese Director
Dr. X. Qian, BA (Hubei), MA, PhD (Zhejiang)

Senior Lecturer and Co-Director
M. M. Hans, BEd, Arts, MA, PhD (Dar)

Principal Administrative Officer
J. George, BA (Public Administration), MA (Excecutive Masters of BA in Corporate Management)

Lecturers
H. Mingwei, BA (Harbin), MA (Zhejiang),
H. Long, BA, (Zhejiang) MA (Zhejiang)
Z. Yang, BA (Hunan), MA (Fujian),
L. Qianqian, BA (Luoyang Normal University), MA (Hunan University) C. Rui (Yunan University of Finance and Economics), MA (Yunan University)
Hu Jun (Qingdao University), MA (Beijing Language and Cultural University)

Local Chinese Instructors
E. Legonga, BA (Arts Project Planning Mgt and Community Development), MA (MTCSOL)
S. Matumbi, BA (Arts, Education), MA (MTCSOL)
A. Hamisi, BA (Arts, Broadcasting and Anchoring) MA (MTCSOL)
A. Swalehe, BA (Business Studies), MA (MTCSOL)
G. Joseph, BA (Sc Education), MA (Physics)

Volunteers
Z. Jinyi, BA (Zhejiang Normal University)
C. Ying, BA (Zhejiang Normal University)

H. Shiqian, BA (Zhejiang Normal University)
Z. Mingcui, BA (Hebei Normal University)
Z. Jingyi (Xiamen University Tan Kah Kee College University)
Z. Hui (Shaoyang University)
J. Junhao (Hengyang Normal University)
P. Tong (Zhejiang Normal University)
Z. Yujing (Hunan Universityof Science and Technology)
W. Xinyu, BA (Xinlian College of Henan Normal University)
Z. Xiuyue, BA (Zhejiang Normal University).

KungFu Instructor
Z. Yang, BA (Hunan), MA (Fujian)

Personal Secretary
P. A. Kiyanga, Diploma (In Secretarial Studies; MDEA I and MDEA II)

SCHOOL OF MINES AND GEOSCIENCES (SoMG)

INTRODUCTION

The School of Mines and Geosciences (SoMG) comprises the Departments of Geosciences, Mining and Mineral Processing Engineering and Petroleum Science and Engineering.

The School offers the following four-year undergraduate programmes leading to degrees:

i. Bachelor of Science in Engineering Geology (BScEngGeo);
ii. Bachelor of Science in Geology (BScGeo);
iii. Bachelor of Science in Geophysics (BScGeoPhys);
iv. Bachelor of Science in Geology with Geothermal Resources (BScGeol(w)GTh);
v. Bachelor of Science in Metallurgy and Mineral Processing Engineering (BScMMPE);
vi. Bachelor of Science in Mining Engineering (BScMNTechE);
vii. Bachelor of Science in Geology with Petroleum Resources (BScPGeolPetRes);
viii. Bachelor of Science in Petroleum Engineering (BScPE);
ix. Bachelor of Science with Geology (BSc-Geo).

Regulations Governing the Award of the BSc Degree

The School operates a semester system of studies. Each discipline offers a variety of courses, including core courses which are compulsory to students majoring in the subjects, and Elective courses. Each course is given a credit weighting according to the time devoted to it on the timetable. Fifteen one-hour lectures and 15 two to three-hour practical classes constitute four credits. Thus, for example, a course consisting of 30 one-hour lectures and 15 three-hour practical classes is a Twelve (12) credits course. Seminars and discussion groups are not counted in the weighting unless they make up more than a third of the total teaching hours in a course.

General Degree Regulations

1 A minimum of 428 credits must be passed, for the award of a 4-year degree (BScEngGeo, BScGeo, BScGeoPhys, BScGeoGeothEn, BScMMPE, BScMNTechE, BScPGeo, BScPE and BSc-Geo), a minimum of 480 credits must be passed. Passing a course shall mean scoring a C grade or higher.

2 All students admitted to the BSc-Geo programme shall major in two science subjects (one two subjects must be Geology) starting from their first, second and third year of study.

3 Science students must take and pass the recommended core courses in Development Studies (100 series), Communication skills (100 series) and Environmental Science (200 series).

4 Each student shall register for courses totalling to at least 120 credits per academic year

5 In addition to core courses required for his/her major subjects, Development Studies, Communication skills and Environmental Science, a student may choose as an elective any course for which he/she can meet the prerequisite/ Co-requisite requirements and which is compatible with the teaching timetable (subject to regulation No. 6).

6 At the end of the academic year every student shall, in consultation with his/her Academic Advisor, map out his/ her course programme for the next year. A course programme shall be subject to approval by the Head of the Department in which the student intends to major and by the Dean of the School. The Dean's approval shall constitute formal enrolment for all the courses listed in the programme. For first year students, mapping of the course programme will be done during the orientation week.

7 B.Sc with Geology and BSc (Eng Geol.):
For the BSc (with Geol.) programme, students should, in addition to Geology, select any two subjects in their first year of study from the list below:
Chemistry, Mathematics, Physics, Botany, Zoology, Statistics and Geography.

BSc (Eng Geol.) students shall be required to do a selection of approved courses from the programmes in Geology and Civil Engineering.

8 Students may be admitted to SoMG as transfer students (advanced standing status) provided that their previous work was done at an institution recognized by the University of Dar es Salaam. Such students must provide also a detailed syllabus of the course done and transcript of the grades obtained.

9 The maximum transferable load shall be 120 credits (approximately one year's work).

10 The degree classification of a transfer student shall be based solely on credits done at the University of Dar es Salaam. It shall be based on a minimum of 360 credits.

School Examination Regulations

11 Each course will be assessed at the time of its completion and a grade awarded. The grade will be based on an end of course examination and a coursework assessment. The coursework assessment shall normally constitute 40% of the total course assessment. Coursework assessment, may however, with the approval of Senate, constitute up to 100% of the total course assessment provided that where it exceeds 40% the assignments on which it is based shall be available for scrutiny by the External Examiner.

12 Monitoring of the student's progress in each course will be based on the following:

12.1 Grade to marks (%) correspondence:
A = 70%-100%; B+ = 60%-69%; B = 50%-59%;
C = 40%-49%; D = 35%-39%; E = 0%-34%

12.2 Grade to points correspondence:

A = 5 points	B+ = 4 points	B = 3 points
C = 2 points	D = 1 points	E = 0 points

12.3 Course grade multiplied by the appropriate credit weighting will be accumulated over the whole period of study and will form the basis for the assessment of the degree.

13 An average grade for each major subject shall be worked out by adding together, by means of weighted points, all the grades of the core course in that subject. The following points to grade correspondence shall apply in monitoring the student's progress in each major subject:

4.4-5.0 = A

3.5-4.3 = B+

2.7-3.4 = B

2.0-2.6 = C

1.0-1.9 = D

0.0-0.9 = E

14 A student who has passed courses totalling more than 480 credits in a four- year programme shall have one or more elective courses excluded from the assessment in the degree classification. The assessment shall in this case exclude those elective courses in which the student had the worst performance.

15 The average score for the degree will be computed in the same way as for the average score for a major subject. The degree classification shall be based on the best 480 provided that regulations Nos. 1 to 5 above are fulfilled. The classification shall be as follows:

First Class – 4.4 – 5.0
Upper Second 3.5 – 4.3
Lower Second 2.7 – 3.4
Pass 2.0 – 2.6

16 To be allowed to continue with any degree programme in the School, a student must pass all the prescribed core courses in each of the major Science subjects and attain an overall GPA of 2.0 or above.

16.1 A student not in his/her final year of study who obtains a "C" average in all the courses including all core courses in one major Science subject and a "D" average of 1.5 or above in the minimum required courses of the second major Science subject, and having an overall GPA of 1.8 or above, shall be allowed to sit for supplementary examinations.

16.2 Any student who has failed a core course and does not qualify for a supplementary examination shall be discontinued.

16.3 A student not in the final year who obtains a "D" average of less than 1.8 in all the core courses of any two major subjects or an E average in all the core courses of any major subject shall be discontinued.

17 Supplementary Examinations will be held once each year prior to the commencement of the subsequent academic year, for the core courses examined during the previous session. Any student, who has qualified to continue with his studies under regulation No. 16.1, must sit for a supplementary examination in any core courses in which he/ she has failed (i.e. scored a D or E) in the examination. The highest grade awarded shall be the minimum passing grade (i.e. "C").

18 With the approval of the School Board and Senate, certain courses may be designated as courses where coursework supplementation will not be permitted. When the coursework assessment in such a course is failed, the entire course must be repeated.

19 If after taking supplementary examinations a student fails to obtain a "C" average at 2.0 or better in all the core courses in two of the Science subjects that he/she will be majoring in, he/she shall be discontinued from studies.

20 A grade scored in the supplementary examination shall constitute the final grade in that course regardless of the score in the original examination.

21 A student who has qualified to continue with his/her studies (under Regulations 18 and 19 above) must repeat any core course in which he/she has failed even if he/she drops the subject to which the course belongs.

21.1 A student who fails a supplementary examination in a core course in which he/she has enrolled twice shall be discontinued.

21.2 A student who has failed a practical course, which cannot be supplemented, shall be allowed to proceed to the next year of study provided his/her GPA in that major subject is 1.8 or higher.

22 Supplementary work in or repetition of elective courses will only be allowed in exceptional circumstances, normally only when those units are needed to complete a degree programme.

23 A special examination in a course to be regarded as constituting a first sitting shall be given to students who for satisfactory reasons were allowed by the Dean not to take the regular examination.

23.1 Normally, special examinations will be given at the time of supplementary examinations

23.2 A student who is required to sit for a special examination or who, for satisfactory reasons, has not completed an important portion of his/her course work, shall be awarded an "I" ("Incomplete") Grade

23.3 A student who has been awarded an "I" grade during any academic year is required to clear the grade during the time of supplementary examinations for that academic year. Except with the approval of the School Board, any "I" grade not cleared at the time of the supplementary examinations automatically becomes an "E" grade.

24 No student will be enrolled in a course for which he/she has not fulfilled the prerequisites. A course for which a "D" grade or lower is obtained shall not be counted as fulfilling a prerequisite for any course unless it is a course in the same series taken during the same session

25 To be allowed to repeat a course, in which an examination is a part of the assessment, a student must first sit for supplementary examination in that course

26 The maximum time for which a student may remain registered in the School is 6 years. Any student who is required to repeat/complete certain courses in order to qualify for the award of a degree shall be deemed to have failed the programme at the end of the maximum period if any of such courses have not been passed.

Practical Training

SoMG runs a practical training programme in which students enrolled in the BScEngGeo, BScGeo, BScGeoPhys, BScGeoGeothEn, BScMMPE, BScMNTechE, BScPGeo, BScPE and BSc-Geo courses engage in practical activities related to their fields of study. Normally these activities are held in various Institutions outside the University. The programme has three parts: one coming immediately after the First Year and the other immediately after the Second and Third-Year. The programme seeks:

(i) To expose students to the various research and/or production activities being carried out in different parts of the country;
(ii) To enable students to apply their knowledge in practice;
(iii) To ensure that, on leaving the University, graduates have acquired some appropriate work experience;
(iv) To establish and maintain contact between prospective employers and the University in order to ensure that Students are given the appropriate skills and knowledge for the jobs they are likely to be called upon to perform after graduation;
(v) To enable prospective employers and employees to become acquainted with one another in the working situation.

Regulations Governing Practical Training

1 A student must pass practical training before qualifying for the award of the degree.

2 The assessment will be based on the following four items:

Employers Assessment	10%
Logbook	20%
Final Report	60%
Presentation	10%

2.1 Assessment by the Employer

The Employer using an assessment form shall grade the items listed below using the following weighting:

A = Excellent, B = Very Good, C = Good, D = Fair E = Poor.

The items to be graded by the employer will include the following:

(i) Skills obtained by the student.
(ii) Attitude towards work.
(iii) Personal initiatives and independence.
(iv) Reliability in carrying out duties.
(v) Punctuality to work.

The above 5 items will account for 10% of the overall assessment.

2.2 Assessment of Logbook

The logbooks should contain description of activities and tasks assigned to students, output from such activities and remarks by the employer. The employer shall sign the document on a weekly

basis. The logbook shall be submitted to the University supervisor together with the final report. The grading of the logbook shall be marked out of 20% based on the following:

(iii) Clear description of activities 10%
(iv) Description of Outputs 10%

2.3 Assessment of Final Report

Grading of the report shall take into consideration the following distribution of marks.

Description and analysis of tasks given	10%
Problem identification and scientific methods used	15%
Presentation of results and data	20%
Correctness of information (graphs, maps etc)	10%
Summary and conclusions	05%

3 A student in his/her last but one year of study who fails practical training will be required to go through and pass a supplementary training period, which will be arranged for him/her in June-August of the subsequent year after completion of University Examinations. A first-year student who fails practical training will be required to go through and pass a supplementary training period, which will be arranged during the 6 weeks of the long vacation of the subsequent year.

4 Students who do not go to places allocated to them for practical training without satisfactory reasons will be deemed to have failed their practical training, and will as a result be discontinued from the University.

5 Students who go to the allocated PT places but refuse to follow the training programme will be deemed to have absconded and consequently shall be discontinued from studies.

DEPARTMENT OF GEOSCIENCES

Bachelor of Science in Geology

Common Courses

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
GY 100	Introduction to Geology and Geological Processes	12	1	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
GE 160	Fundamentals of Geographical Information Systems	12	1	Core
PH 133	Vibration and Waves	8	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
GY 125	Introduction to Survey and Mapping	12	2	Core
GP 120	Earth Physics	8	2	Core
MT 171	One Variable Calculus for Non-Majors	12	2	Core
PH 121	Electricity and Magnetism	8	2	Core
EE 171	Computer Programming for Engineers	8	1	Elective
ST 118	Time Series and Index Numbers	12	2	Elective
Second Year				
GY 201	Optical Mineralogy	12	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
GE 161	Principles of Remote Sensing	12	1	Core
EG 201	Fundamentals of Engineering Geology	12	1	Core
GP 211	Rock Physics	12	1	Core
GY 250	Mineralogy and Crystallography	12	2	Core
GY 212	Structural Geology 1	8	2	Core
GY 216	Paleontology	8	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
PG 235	Fossil Fuel	12	2	Core
MT 271	Statistics for Mathematics Non-Majors	12	2	Core
GY 299	Geological Mapping I	8	1	Core
'FN 250'	Financial Literacy			Core
GR 201	Volcanology	8	1	Elective
GR 204	Geothermal Systems	12	2	Elective
SC 215	Scientific Methods	8	1	Elective
'FN 250' Financial Literacy; is a 90 hours of online self-study course with a pass or fail final grade. Pass mark shall be 70% and a student is required to complete the course within the degree duration for BSc in Geology according to UDSM guidelines for 4 years programme.				
Third Year				
GY 315	Stratigraphy	8	1	Core
GY 318	Structural Geology II	8	1	Core
GY 330	Principles of Hydrogeology	12	1	Core
GY 361	Magmatic Petrology	12	1	Core

Code	Course Title	Credits	Semester	Status
GY 371	Geotectonics	12	1	Core
GY 311	Metallic Mineral Deposits	12	2	Core
GY 317	Mining Geology	12	2	Core
GY 344	Geomorphology and Soils	12	2	Core
GY 362	Metamorphic Petrology	12	2	Core
GY 375	Professional Communication for Geologists	8	2	Core
GY 399	Geological Mapping II	8		Core
GY 333	Applied Geophysics	12	1	Elective
GP 312	Seismology	12	2	Elective
GY 356	Applied Geochemistry	12	2	Elective
GY 352	Marine Geology	8	2	Elective
Fourth Year				
GY 409	Industrial Minerals and Rocks	12	1	Core
GY 411	Geology and Mineral Resources of Tanzania	12	1	Core
GY 412	Ore Microscopy	8	1	Core
MN 480	Mineral Economics	12	1	Core
GY 403	Project Proposal Development	8	1	Core
MK 100	Introduction to Business	12	1	Core
GY 427	Remote Sensing and GIS II	8	2	Core
GM 101	Principles and Practice of Management	12	2	Core
GY 401	History of the Earth	8	2	Core
GY 405	Independent Project	12	2	Core
GY 446	Environmental Geology	8	2	Core
**GY 499/ GY 498	Industrial Training/ Industrial Attachment for Extractive Industry Students	8/12		Core/ Elective
MP 231	Mineral Processing, I	8	1	Elective
GY 410	Advanced Hydrogeology	8	1	Elective
GP 402	Seismic Hazard Analysis	12	2	Elective
PG 418	Sedimentary Basin and Petroleum Systems	12	2	Elective
MP 375	Gemology	8	2	Elective
**GY 499/GY 498; Student may only take one of the two courses; GY499 Industrial training (8 credits) or GY498 Industrial attachment for extractive Industry students (12 credits).				

Bachelor of Science with Geology

Common Courses

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
GY 100	Introduction to Geology and Geological Processes	12	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
GY 125	Introduction to Mapping and Surveying	12	2	Core
EE 171	Computer Programming for Engineers	8	1	Elective

Code	Course Title	Credits	Semester	Status
Second Year				
GY 201	Optical Mineralogy	3	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
GY 250	Mineralogy and Crystallography	12	1	Core
GY 212	Structural Geology 1	8	2	Core
GY 299	Geological Mapping 1	8		Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GP 120	Earth Physics	8	2	Core
'FN 250'	Financial Literacy			Core
'FN 250' Financial Literacy; is a 90 hours of online self-study course with a pass or fail final grade. Pass mark shall be 70% and a student is required to complete the course within the degree duration for BSc in Geology according to UDSM guidelines for 4 years programme.				
Third Year				
GY 315	Stratigraphy	8	1	Core
GY 330	Principles of Hydrogeology	12	1	Core
GY 361	Magmatic Petrology	12	1	Core
GY 371	Geo-Tectonics	12	1	Core
GY 399	Geological Mapping 1I	8		Core
GY 311	Metallic Mineral Deposits	12	2	Core
GY 317	Mining Geology	12	2	Core
GY 362	Metamorphic Petrology	12	2	Core
GY 375	Professional Communication for Geologists	8	2	Core
GY 333	Applied Geophysics	12	1	Elective
GY 318	Structural Geology II	8	1	Elective
GY 356	Applied Geochemistry	12	2	Elective
GY 352	Marine Geology	8	2	Elective
GP 312	Seismology	12	2	Elective
Fourth Year				
GY 409	Industrial Minerals and Rocks	12	1	Core
GY 411	Geology and Mineral Resources of Tanzania	12	1	Core
GY 412	Ore Microscopy	8	1	Core
MN 480	Mineral Economics	12	1	Core
GY 403	Project Proposal Development	8	1	Core
MK 100	Introduction to Business	12	1	Core
GY 344	Geomorphology and Soils	12	2	Core
GY 427	Remote Sensing and GIS II	8	2	Core
GM 101	Principles and Practice of Management	12	2	Core
GY 401	History of the Earth	8	2	Core
GY 405	Independent Project	12	2	Core
GY 446	Environmental Geology	8	2	Core
**GY 499/ GY 498	Industrial Training/ Industrial Attachment for Extractive Industry Students	8/12		Core/ Elective
MP 231	Mineral Processing I	8	1	Elective
GY 410	Advanced Hydrogeology	8	1	Elective
MP 375	Gemology	8	2	Elective
PG 418	Sedimentary Basin and Petroleum Systems	12	2	Elective

Courses for subject combinations under Bachelor of Science with Geology

Botany

Code	Course Title	Credits	Semester	Status
First Year				
BL 111	Introduction to Cell Biology and Genetics	12	1	Core
BT 111	Introduction to Botany	8	1	Core
BT 130	Evolutionary Botany	12	1	Core
CH 113	Chemistry for Life Sciences Students	12	1	Core
BL 113	Ecology I	8	2	Core
BT 131	Introductory Plant Structure and Physiology	8	2	Core
Second Year				
BL 215	Ecology II	12	1	Core
BT 225	Taxonomy of Higher Plants	12	1	Core
BT 217	Plant Genetics and Evolution	8	2	Core
BT 218	Metabolic Physiology and Plant Growth	8	2	Core
BL 234	Biostatistics I	12	2	Core
BT 215	Introduction to Mycology	8	2	Elective
BT 221	Management and Conservation of Soil	12	2	Elective
Third Year				
BT 329	Plant Ecology and Phytogeography	12	1	Core
BT 349	Management and Monitoring of Fragile Ecosystems	8	1	Core
BT 327	Anatomy of Angiosperms	8	2	Core
BT 356	Plant Diversity and Conservation	12	2	Core
BT 367	Plant Ecophysiology	8	1	Elective
BT 323	Algal Ecology and Systematics	12	2	Elective
Chemistry				
First Year				
CH 121	Chemistry Practical I	8	1	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 172	Chemical Separation	12	1	Core
CH 117	Organic Chemistry I	12	2	Core
CH 173	Introduction to Electronic Structure and Spectroscopy	12	2	Core
Second Year				
CH 248	Instrumental Methods in Analytical Chemistry	8	1	Core
CH 243	Organic Chemistry II	12	1	Core
CH 175	Basic Inorganic Chemistry	12	1	Core
CH 290	Chemical Kinetics and Electrochemistry	12	1	Core
CH 227	Environmental Chemistry	12	2	Elective
CH 293	Food Chemistry	12	2	Elective
CH 294	Analytical Chemistry	12	2	Elective

Code	Course Title	Credits	Semester	Status
Third Year				
CH 201	Chemical Thermodynamics	12	1	Core
CH 363	Chemical Waste Management	8	1	Core
CH 364	Coordination Chemistry	12	2	Core
CH 241	Chemistry Practicals III	8	2	Core
Physics				
First Year				
PH 122	Classical Mechanics	8	1	Core
PH 127	Vibration and Waves	8	1	Core
PH 124	Optics	8	1	Core
PH 116	Experimental Method of Physics 1	8	2	Core
PH 347	Electromagnetism	8	2	Core
PH 136	Analogue Electronics	8	2	Core
Second Year				
PH 247	Practicals II	8	1	Core
PH 204	Mathematical Methods of Physics	12	2	Core
PH 217	Quantum Physics	12	2	Core
PH 229	Computational Physics	8	2	Core
Third Year				
PH 224	Digital Electronics	8	1	Core
PH 220	Statistical Thermodynamics	8	2	Core
PH 351	Physics of the Atom	12	2	Core
Mathematics				
First Year				
MT 100	Foundations of Analysis	12	1	Core
MT 127	Linear Algebra 1	12	1	Core
MT 120	Analysis 1: Functions of a Single Variable	12	2	Core
MT 136	Ordinary Differential Equations 1	12	2	Core
ST 132	Linear Algebra with Application	12	2	Elective
Second Year				
MT 200	Analysis 2: Functions of Several Variables	12	1	Core
MT 233	Mathematical Statistics	12	1	Core
MT 278	Linear Programming	8	2	Core
MT 274	Numerical Analysis I	8	2	Core
MT 225	Partial Differential Equations	8	1	Elective
Third Year				
MT 357	Abstract Algebra	12	1	Core
MT 378	Queuing Theory and Inventory Models	12	1	Core
MT 310	Analysis 3: Complex Analysis I	12	2	Core
Statistics				
First Year				
ST 131	Analytical Calculus	12	1	Core

Code	Course Title	Credits	Semester	Status
ST 113	Basic Statistics	12	1	Core
ST 114	Probability Theory I	12	2	Core
ST 238	Spatial Statistics	12	2	Core
Second Year				
ST 211	Probability Distributions	12	1	Core
ST 220	Basic Demographic Methods	12	1	Core
ST 212	Statistical Inference	12	2	Core
ST 223	Non- Parametric Inference	12	2	Core
ST 237	Statistical Methods in Econometrics	12	1	Elective
ST 221	Population Dynamics	12	2	Elective
ST 239	Introduction to Database Management Systems	12	2	Elective
Third Year				
ST 318	Sampling Theory and Methodology	12	1	Core
ST 338	Applied Statistics	12	1	Core
ST31 9	Design and Analysis of Experiments	12	2	Core
ST 334	Linear Models	12	2	Core
ST 330	Bayesian Statistical Inference	12	1	Elective
ST 336	Statistical Quality Management	12	1	Elective
ST 311	Multivariate Normal Distribution	12	2	Elective
Geography				
First Year				
GE 140	Introduction to Physical Geography	12	1	Core
GE 145	Environmental Education and Communication	12	1	Core
GE 160	Fundamentals of Geographical Information Systems	12	1	Core
GE 161	Principles of Remote Sensing	12	1	Core
GE 141	Climatology	12	2	Core
GE 148	Meteorology	12	2	Core
GE 147	Soil Survey and Management	12	2	Elective
Second Year				
GE 255	Environmental Impact Assessment	12	1	Core
GE 257	Climate Change, Mitigation and Adaptation	12	1	Core
GE 247	Population Studies	12	2	Core
GE 261	Hydrology	12	2	Core
GE 244	Quantitative Methods in Geography	12	1	Elective
GE 351	Land Evaluation	12	2	Elective
GE 241	Biogeography	12	2	Elective
Third Year				
GE 355	Integrated Natural Resources Management	12	1	Core
GE 365	Project Planning, Coordination and Implementation	12	1	Core
GE 357	Environmental Conservation and Management	12	1	Elective

Code	Course Title	Credits	Semester	Status
GE 340	Water Resources Management	12	2	Core
GE 370	Project Monitoring and Evaluation	12	2	Core
GE 371	Population, Environment and Development	12	2	Elective

Bachelor of Science in Geophysics

Common Courses

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
GY100	Introduction to Geology and Geological Processes	12	1	Core
MT 127	Linear Algebra	12	1	Core
MT 100	Foundations of Analysis	12	1	Core
PH 122	Classical Mechanics	8	1	Core
PH 133	Vibration and Waves	8	1	Core
GE 160	Fundamentals of Geographical Information Systems	12	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
GY 125	Introduction to Survey and Mapping	12	2	Core
GP 120	Earth Physics	8	2	Core
MT 136	Ordinary Differential Equations	8	2	Core
MT 120	Analysis 1: Functions of Single Variable	8	2	Core
PH 121	Electricity and Magnetism	8	2	Core
Second Year				
MT 114	Computer Programming	12	1	Core
PH 347	Electromagnetism	8	1	Core
MT 200	Calculus of Several Variables	12	1	Core
GP 211	Rock Physics	12	1	Core
MT 226	Partial Differential Equations	8	1	Core
MT 261	Several Variables Calculus for Non-Majors	12	1	Core
GE 161	Principles of Remote Sensing	12	1	Core
GP 299	Geophysical Field School I	8	1	Core
EG 201	Fundamentals of Engineering Geology	8	1	Core
GY 212	Structural Geology 1	8	2	Core
GP 221	Nuclear Geophysics	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GY 229	Introduction to Geochemistry	12	1	Elective

Code	Course Title	Credits	Semester	Status
GY 250	Mineralogy and Crystallography	12	1	Elective
GY 201	Optical Mineralogy	12	1	Elective
PG 235	Fossil Fuels	12	2	Elective
GY 375	Professional Communication for Geologist	8	2	Elective
'FN 250'	Financial Literacy			Core
'FN 250' Financial Literacy; is a 90 hours of online self-study course with a pass or fail final grade. Pass mark shall be 70% and a student is required to complete the course within the degree duration for BSc in Geology according to UDSM guidelines for 4 years programme.				
Third Year				
GY 315	Stratigraphy	8	1	Core
GY 314	Igneous and Metamorphic Petrology	12	1	Core
GP 311	Gravity and Magnetic Methods	12	1	Core
GP 312	Seismology	12	1	Core
PG 418	Sedimentary Basin and Petroleum Systems	12	1	Core
GY311	Metallic Mineral Deposits	12	2	Core
GP 321	Exploration Seismology	12	2	Core
GP 322	Electrical and Electromagnetic Methods	12	2	Core
GP 313	Geophysical Time Series Analysis	12	2	Core
GY 318	Structural Geology II	8	1	Elective
PH 204	Mathematical Methods for Physics	12	1	Elective
GY 371	Geotectonics	12	1	Elective
GY 330	Principles of Hydrogeology	12	2	Elective
PG 302	Petroleum Geology	12	2	Elective
Fourth Year				
GY 411	Geology and Mineral Resources of Tanzania	12	1	Core
GP 401	Groundwater and Environmental Geophysics	12	1	Core
GP 421	Seismic Data Interpretation	12	1	Core
GP 414	Inversion of Geophysical Data	12	1	Core
**GP 499/ GY 498	Industrial Training/ Industrial Attachment for Extractive Industry Students	8/12		Core/ Elective
MK 100	Principles of Management and Administration	12	2	Core
GP 412	Borehole Geophysics	12	2	Core
GM 101	Principles and Practices of Management	12	2	Core
GP 435	Geophysical Independent Project	12	2	Core
GP 402	Seismic Hazard Analysis	12	2	Core
GY 446	Environmental Geology	8	2	Core
GP 413	Mining Geophysics	8	1	Elective

Code	Course Title	Credits	Semester	Status
GY 409	Industrial Minerals and Rocks	12	1	Elective
GY 401	History of the Earth	8	2	Elective
**GP499/ **GY 498; Student may only take one of the two courses; GP 499 Geophysical field school II (8 credits) or GY 498 Industrial attachment for extractive industry students (12 credits)				

Bachelor of Science in Geology with Geothermal resources

Common Courses

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
GY 100	Introduction to Geology and Geological Processes	12	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
PH 133	Vibration and Waves	8	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8	1	Core
GE 160	Fundamentals of Geographical In-formation Systems	12	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
GY 125	Introduction to Survey and Mapping	12	2	Core
MT 171	One Variable Calculus for Non-Majors	12	2	Core
PH 121	Electricity and Magnetism	12	2	Core
PH 129	Atmospheric Thermodynamics	12	2	Core
Second Year				
GY 201	Optical Mineralogy	12	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
GY 250	Mineralogy and Crystallography	12	2	Core
GR 201	Volcanology	8	1	Core
CH 201	Chemical Thermodynamics	8	1	Core
'FN 250'	Financial Literacy	0	1	Core
GY 212	Structural Geology I	8	2	Core
GE 161	Principles of Remote Sensing	12	1	Core
GR 204	Geothermal Systems	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GP 120	Earth Physics	8	2	Core
EG 201	Fundamentals of Engineering Geology	12	1	Elective
MT 271	Statistics for Mathematics Non-Major	12	2	Elective
GE 246	Hydrometeorology	12	2	Elective
GY 265	Geological Mapping I	4	2	Core
Third Year				
GY 315	Stratigraphy	8	1	Core
GY 330	Principles of Hydrogeology	12	1	Core
GY 314	Igneous and Metamorphic Petrology	12	1	Core

Code	Course Title	Credits	Semester	Status
GY 371	Geotectonics	12	1	Core
GR 301	Geochemistry of Thermal Fluids	8	1	Core
GR 302	Isotopes and Tracers of Geothermal Systems	8	2	Core
GR 303	Geothermal Reservoir Characteri-zation	8	2	Core
GR 305	Geothermal Exploration Methods and Modelling	12	2	Core
GR 306	Geothermal Drilling Technology and Risk Management	12	2	Core
GY 333	Applied Geophysics	12	2	Core
GP 312	Seismology	12	2	Elective
GY 318	Structural Geology II	8	1	Core
GY 356	Applied Geochemistry	12	2	Elective
GY 375	Professional Communication for Geologists	8	2	Core
GY 344	Geomorphology and Soils	12	2	Elective
GY 355	Geological Mapping II	4	2	Core
Fourth Year				
GY411	Geology and Mineral Resources of Tanzania	12	1	Core
MN 480	Mineral Economics	12	1	Core
GR 400	Borehole Logging	8	1	Core
GR 401	Geomechanics	12	1	Core
GR 402	Project Proposal Development	8	1	Core
GY 495/GY 482	Practical Training/ Industrial At-tachment for Extractive Industry Students	8	1	Core
GY 410	Advanced Hydrogeology	8	1	Core
GY 401	History of the Earth	8	2	Core
GM 100	Principles and Practice of Management	12	2	Core
EN 305	Renewable Energy Technology	12	2	Core
GR 403	Geothermal Utilization	8	2	Core
GY 405	Independent Project	12	2	Core
GY 409	Industrial Minerals and Rocks	12	1	Elective
GY 427	Remote Sensing and GIS II	8	2	Core
GY 446	Environmental Geology	8	2	Core

MINING AND MINERAL PROCESSING ENGINEERING DEPARTMENT

Bachelor of Science in Mining Engineering

Code	Course Title	Credits	Semester	Status
First Year				
EE 171	Introduction to Computers and Programming for Engineers	8	1	Core
GY 110	Introduction to Geology and Geological Processes for Engineers	12	1	Core
DS 114	Development Perspective I	12	1	Core
ME 101	Engineering Drawing	8	1	Core
TW 101	Bench Work Practice	6	1	Core
TW 133	Electrical Machines and Installation	6	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
SC 121	Statics	12	1	Core
TW 146	Plumbing and Pipe Fittings Installation	6	2	Core
TW 108	Building, Setting Out and Formwork	6	2	Core
MN 103	Principles of Mining and Mineral Processing	12	2	Core
DS 115	Development Perspective II	12	2	Core
ME 106	Strength of Materials I	8	2	Core
ME 103	Computer Aided Drafting	8	2	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12	2	Core
Second Year				
MT 261	Several Variables Calculus for Non-Majors	12	1	Core
TR 111	Engineering Surveying I	8	1	Core
MN 237	Small-Scale Mining and Processing Techniques	12	1	Core
WR 211	Fluid Mechanics for Civil Engineers	12	1	Core
MN 280	Operations Research in Mining	12	1	Core
MN 220	Mine Development	8	1	Core
EE 151	Fundamentals of Electrical Engineering I	8	1	Core
'FN250'	Financial Literacy	0	1	Core
EN 202	Thermodynamics	12	2	Core
TR 112	Engineering Surveying II	8	2	Core
TR 232	Soil Mechanics	8	2	Core
MN 221	Drilling and Blasting	12	2	Core
MT 271	Statistics for Non-Majors	12	2	Core
GY 212	Structural Geology I	8	2	Core
MN 200	Practical Training in Industry I	8	2	Core
Third Year				
GY 311	Metallic Mineral Deposits	12	1	Core
MN 341	Mine Transportation and Materials Handling	12	1	Core
MN 321	Surface Mining Methods	12	1	Core
MN 324	Rock Mechanics	12	1	Core
MN 378	Introduction to Data Analytics in Mining Engineering	12	1	Core

MN 322	Mine Surveying	12	2	Core
MN 325	Geostatistics and Mineral Resource Estimation	12	2	Core
MN 326	Underground Mining Methods	12	2	Core
MN 350	Mining Engineering Laboratory I	8	2	Core
MP 351	Technical and Communication Skills for Engineers	12	2	Core
*MN 300/ MN 390	Practical Training in Industrial III/ Industrial Attachment for Extractive Industry Students	8 or 16	2	Core
MN 322	Mine Surveying	12	2	Core
MN 325	Geostatistics and Mineral Resource Estimation	12	2	Core
MN 326	Underground Mining Methods	12	2	Core
MN 350	Mining Engineering Laboratory I	8	2	Core
MP 351	Technical and Communication Skills for Engineers	12	2	Core
*MN 300/ MN 390	Practical Training in Industrial III/ Industrial Attachment for Extractive Industry Students	8 or 16	2	Core
MN 327	Coal Mining	8	1	Elective
ME 206	Strength of Materials II	12	2	Elective
MP 337	Gemology	8	2	Elective
ME 206	Strength of Materials II	12	2	Elective
MP 337	Gemology	8	2	Elective
Fourth Year				
MN 480	Mineral Economics	12	1	Core
MN 423	Mine Ventilation and Air Conditioning	12	1	Core
MN 498	Final Year Project I	8	1	Core
MN 450	Mining Engineering Laboratory II	8	1	Core
GY 330	Principles of Hydrogeology	12	1	Core
MN 410	Mine Safety and Environment	12	1	Core
MN 481	Mine Management	12	2	Core
SC 436	General Engineering Procedures and Ethics	8	2	Core
MN 420	Fundamentals of Mine Design	12	2	Core
IE 445	Entrepreneurship for Engineers	12	2	Core
MN 499	Final Year Project II	12	2	Core
MN 400	Practical Training in Industry III	8	2	Core
MN 475	Design of Mine Waste Management Facilities	8	1	Elective
GY 317	Mining Geology	12	1	Elective
MN 478	Computer Simulation of Mining Systems	12	1	Elective
GY 409	Industrial Minerals and Rocks	12	1	Elective
MP 476	Extractive Metallurgy of Gold	12	2	Elective
MP 371	Uranium Processing	12	2	Elective

'FN 250' Financial Literacy; is 90 hours of online self-study course with a pass or fail final grade. Pass mark shall be 70% and a student is required to complete the course within the degree duration for BSc in Mining Engineering according to UDSM guidelines for 4 years programme.

*MN 300/*MN 390: a student may take only one of the two courses- either MN 300 (8 credits) or MN 391 (16 credits)

Bachelor of Science in Metallurgy and Mineral Processing Engineering

Code	Course Title	Credits	Semester	Status
First Year				
EE 171	Principles of Computer Programming	8	1	Core
EE 151	Fundamentals of Electrical Engineering	8	1	Core
DS 114	Development Perspectives I	12	1	Core
ME 101	Engineering Drawing	8	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
SC 121	Statics	12	1	Core
TW 119	Fundamentals of Chemicals and Process	6	1	Core
TW 133	Electrical Machines and Installation	6	1	Core
GY 110	Introduction to Geology and Geological Processes for Engineers	8	1	Core
MN 103	Fundamentals of Mining and Mineral Processing	12	2	Core
TW 152	Welding and Fabrication	6	2	Core
TW 146	Plumbing and Pipe Fittings Installation	6	2	Core
DS 115	Development Perspectives II	12	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12	2	Core
ME 106	Strength of Materials I	8	2	Core
ME 103	Computer Aided Drafting	8	2	Core
GY 120	Earth Materials (Rocks and Minerals)	12		
Second Year				
CP 201	Materials and Energy Balance	12	1	Core
ME 218	Materials Technology I	12	1	Core
MN 237	Small-Scale Mining and Processing Techniques	12	1	Core
MT 261	Several Variable Calculus for Non-Majors	12	1	Core
CH 240	Physical Chemistry	12	1	Core
CP 211	Chemical Engineering Fluid Mechanics	12	1	Core
CH 175	Basic Inorganic Chemistry	12	2	Core
MP 231	Mineral Processing I	12	2	Core
CH 271	Chemistry Practical for Mineral Processing	8	2	Core
MT 271	Statistics for Non-Majors	12	2	Core
ME 219	Materials Technology II	12	2	Core
MP 240	Metallurgical Thermodynamics	12	2	Core
MP 200	Practical Training I	8	2	Core
Third Year				
MP 331	Mineral Processing II	12	1	Core
MN 341	Mine Transportation and Materials Handling	12	1	Core
MP 335	Coal Processing and Utilization	12	1	Core
MP 336	Mineral Process Analysis	12	1	Core
GY 311	Metallic Mineral Deposits	8	1	Core
‘’FN 250’’	Financial Literacy	-		

Code	Course Title	Credits	Semester	Status
***	Electives I	12	1	Elective
MP 333	Hydrometallurgy	12	2	Core
MP 332	Pyrometallurgy	12	2	Core
MP 350	Mineral Processing Laboratory I	8	2	Core
MP 351	Technical and Communication Skills for Engineers	8	2	Core
MP 337	Gemology	8	2	Core
CP 327	Chemical Reaction Engineering	12	2	Core
MP 300	Practical Training II**	8	2	Core
***	Electives II	12	1	Elective
Third Year Elective Courses				
MP 371	Uranium Processing	12	1	Elective
MP 372	Extractive Metallurgy of Nickel	12	2	Elective
Others	Any 300 series courses			Elective
Fourth Year				
MN 480	Mineral Economics	12	1	Core
MP 450	Mineral Processing Laboratory II	8	1	Core
MP 420	Design and Operation of Mineral Processes	12	1	Core
CP 426	Process Dynamics and Control	12	1	Core
MP 498	Final Year Project I	8	1	Core
MP 434	Metallurgical Accounting	8	1	Core
***	Electives I	12	1	Elective
IE 445	Entrepreneurship for Engineers	12	2	Core
MP 499	Final Year Project II	12	2	Core
SC 436	Engineering Ethics and Professional Conduct	8	2	Core
MN 481	Mine Management	12	2	Core
MN 410	Mine Safety and Environment	12	2	Core
MP 400	Practical Training III	8	2	
***	Electives II	12	2	Elective
Fourth Year Elective Courses				
MP 473	Process Mineralogy	8	1	Elective
MP 476	Extractive Metallurgy of Gold	12	1	Elective
MP 440	Solidification of Metallic Solutions	12	2	Elective
Others	Any 400 Series Courses			Elective

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Bachelor of Science in Engineering Geology

Code	Course Title	Credits	Semester	Status
First Year				
EE 171	Computers Programming for Engineers	8	1	Core
GY 100	Introduction to Geology and Geological Processes	12	1	Core
DS 114	Development Perspectives I	12	1	Core
SC 101	Civil Engineering Drawing I	8	1	Core
SC 121	Statics	12	1	Core
TW 107	Building, Setting Out, Formwork and Brick Work Skills	6	1	Core
TW 113	Carpentry and Joinery	6	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
TW 133	Electrical Machines and Installation	6	2	Core
TW 152	Welding and Fabrication	6	2	Core
GY 125	Introduction to Survey and Mapping	12	2	Core
DS 115	Development Perspectives II	12	2	Core
GP 120	Earth Physics	8	2	Core
SC 102	Civil Engineering Drawing II	10	2	Core
GY 120	Earth Materials (Minerals and Rocks)	12	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12	2	Core
Second Year				
EG 201	Fundamentals of Engineering Geology	12	1	Core
MT 261	Several Variable Calculus for Non-Majors	12	1	Core
TR 111	Engineering Surveying I	8	1	Core
GY 201	Optical Mineralogy	12	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
TR 231	Geology for Civil Engineers	8	1	Core
GE 160	Fundamentals of Geographical Information Systems	12	1	Core
GE 161	Principles of Remote Sensing	12	1	Core
GP 211	Rock Physics	12	1	Core
TR 112	Engineering Surveying II	8	2	Core
TR 232	Soil Mechanics	12	2	Core
GY 212	Structural Geology I	8	2	Core
MT 271	Statistics for Mathematics Non-Majors	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
SC 112	Construction Materials I	12	2	Core
GY 299	Geological Mapping I	8	2	Core
'FN 250'	Financial Literacy	0	2	Core
Third Year				
GY 250	Mineralogy and Crystallography	12	1	Core

Code	Course Title	Credits	Semester	Status
GY 361	Magmatic Petrology	12	1	Core
GY 311	Metallic Mineral Deposits	12	1	Core
EG 301	Fundamentals of Rock Mechanics	8	1	Core
TR 334	Foundation Engineering I	8	1	Core
EG 350	Engineering Geology Laboratory I	8	1	Core
SC 211	Construction Materials II	12	1	Core
EG 321	Applied Rock Mechanics	8	2	Core
GY 362	Metamorphic Petrology	12	2	Core
MN 325	Geostatistics and Mineral Resource Estimation	12	2	Core
MP 351	Technical and Communication Skills for Engineers	12	2	Core
TR 335	Foundation Engineering II	8	2	Core
TR 324	Pavement Design and Maintenance	8	2	Core
EG 300	Practical Training I	4	2	Core
GP 312	Fundamentals of Seismology	12	2	Elective
GY 317	Mining Geology	12	2	Elective
GY 344	Geomorphology and Soils	12	2	Elective
Fourth Year				
EG 422	Geotechnical Engineering of Dams	8	1	Core
GY 411	Geology and Mineral Resources of Tanzania	12	1	Core
GY 330	Principles of Hydrogeology	12	1	Core
GY 409	Industrial Minerals and Rocks	12	1	Core
EG 498	Final Year Project I	8	1	Core
TR 331	Highway Materials	12	1	Core
MN 475	Design of Mine Waste Management Facilities	8	1	Elective
GY 318	Structural Geology II	8	1	Elective
PG 235	Fossil Fuels	12	1	Elective
MN 480	Mineral Economics	12	1	Elective
GY 412	Ore Microscopy	8	1	Elective
IE 445	Entrepreneurship for Engineers	12	2	Core
EG 421	Geotechnical Design of Rocks Excavations and Dams	12	2	Core
SC 436	General Engineering Procedures and Ethics	8	2	Core
EG 499	Final Year Project II	12	2	Core
GY333	Applied Geophysics	12	2	Core
EG 450	Engineering Geology Laboratory II	8	2	Core
**EG 400/ **EG 390	Practical Training II/ Industrial Attachment for Extractive Industry Students	8/16	2	Core
GY 401	History of the Earth	8	2	Elective
GY 427	Remote Sensing and GIS II	8	2	Elective

Code	Course Title	Credits	Semester	Status
GP 402	Seismic Hazard Analysis	12	2	Elective
GY 446	Environmental Geology	8	2	Elective
GY 410	Advanced Hydrogeology	8	2	Elective

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****EG 400/ **EG 390**: Student may only take one of the two courses; EG 400 Practical Training II (8 credits) or EG 390 Industrial attachment for extractive Industry students (16 credits).

PETROLEUM SCIENCE AND ENGINEERING DEPARTMENT

Bachelor of Science in Petroleum Engineering

First Year

Code	Course Title	Credits	Semester	Status
OG 101	Introduction to Petroleum Engineering	8E	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
GY 110	Introduction to Geology and Geological Processes for Engineers	8E	1	Core
DS 114	Development Perspectives I	12E	1	Core
ME 101	Engineering Drawing	8E	1	Core
SC 121	Statics	12E	1	Core
EE 171	Computer Programming for Engineers	8E	1	Core
TW 119	Fundamentals of Chemical and Process Engineering and Practice	6	1	Core
EE 151	Fundamentals of Electrical Engineering I	12E	2	Core
CH 117	Organic Chemistry	12E	2	Core
DS 115	Development Perspectives II	12E	2	Core
TW 193	Principles and Practice of Swimming and Life Saving Skills	6E	2	Core
ME 106	Strength of Materials I	8E	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12E		Core
ME 103	Computer Aided Drafting	8E	2	Core
Second Year				
CH 240	Physical Chemistry	12E	1	Core
PG 302	Petroleum Geology	8E	1	Core
CP 201	Materials and Energy Balances	12E	1	Core
CP 211	Chemical Engineering Fluid Mechanics	12E	1	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
CP 303	Engineering Thermodynamics	12E	1	Core
FN 250	Financial Literacy		1	Core
OG 260	Computer Application in Petroleum Engineering	12	2	Core
OG 241	Reservoir Fluid Properties	12E	2	Core
CH 219	Systematic Inorganic Chemistry	12E	2	Core
CH 270	Chemistry Practical	8	2	Core
OG 251	Technical and Communication Skills for Engineers	8	2	Core
MT 271	Statistics for Non-Majors	12E	2	Core
OG 200	Practical Training I	8	2	Core
Third Year				
OG 321	Drilling Engineering I	12E	1	Core

Code	Course Title	Credits	Semester	Status
OG 322	Petroleum Downstream Operations and Management	12E	1	Core
OG 330	Natural Gas Processing	12E	1	Core
OG 334	Petroleum Production	12E	1	Core
OG 357	Reservoir Petrophysics	12E	1	Core
	Electives I (12 credits minimum)			
OG 350	Petroleum Engineering Laboratory I	8	2	Core
OG 331	Drilling Engineering II	12E	2	Core
OG 310	Health, Safety and Environmental Protection in Petroleum Industry	12E	2	Core
OG 341	Reservoir Engineering I	12E	2	Core
OG 300	Practical Training II	8	2	Core
Third Year Elective Courses				
PG 347	Well Logging, Analysis and Formation Evaluation	8E	1	Elective
OG 370	Geostatistics for Petroleum Engineering	12E	1	Elective
OG 371	Petroleum Engineering Numerical Methods	12E	1	Elective
OG 372	Artificial Intelligence and Machine Learning Applications in Oil and Gas Industry	12E	1	Elective
OG 374	Petroleum Engineering Thermodynamics	12E	1	Elective
CP 340	Heat and Mass Transfer	12E	2	Elective
CP 374	Design and Analysis of Experiments	12E	2	Elective
OG 373	Offshore Operations	12E	2	Elective
GR 303	Geothermal Reservoir Characterization	8E	2	Elective
GR 306	Geothermal Drilling Technology and Risk Management	12E	2	Elective
Any Approved Course Modules at UDSM (24 credits minimum for the year)				
Fourth Year				
OG 405	Petroleum Project Evaluation and Economics	12E	1	Core
CP 426	Process Dynamics and Control	12E	1	Core
OG 450	Petroleum Engineering Laboratory II	8	1	Core
OG 442	Reservoir Engineering II	12E	1	Core
OG 498	Final Project I	8	1	Core
	Electives I (12 credits minimum)			
SC 436	Engineering Ethics and Professional Conduct	8E	2	Core
OG 460	Reservoir Modelling and Simulation	12E	2	Core
OG 499	Final Project II	12	2	Core
IE 445	Entrepreneurship for Engineers	12E	2	Core
OG 400	Practical Training III	8	2	Core
	Electives II (12 credits minimum)			
Fourth Year Elective Courses				
CP 432	Unit Operations II	12E	1	Elective
CP 472	Introduction to Industrial Ecology	12E	1	Elective

Code	Course Title	Credits	Semester	Status
OG 477	Petroleum Refining Techniques	12E	1	Elective
CP 473	Risk Assessment and Management	12E	2	Elective
OG 476	Petroleum Transport and Marketing	12E	2	Elective

Bachelor of Science in Geology with Petroleum Resources

Common Courses

Code	Course Title	Credits	Semester	Status
DS 114	Development Perspectives I	12	1	Core
DS 115	Development Perspectives II	12	2	Core
First Year				
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
GY 100	Introduction to Geology and Geological Processes	12	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
PG 107	Introduction to Renewable Energy Resources	12	1	Core
GE 160	Fundamentals of Geographical Information Systems	12	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
GY 125	Introduction to Survey and Mapping	12	2	Core
MT 171	One Variable Calculus for Non-Majors	12	2	Core
CH 117	Organic Chemistry I	12	2	Core
GP 120	Earth Physics	12	2	Core
Second Year				
GY 201	Optical Mineralogy	12	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
PG 235	Fossil Fuel	12	1	Core
GE 161	Principles of Remote Sensing	12	1	Core
GP 211	Rock Physics	12	1	Core
GY 299	Geological Mapping I	8	2	Core
MT 271	Statistics for Mathematics Non-Majors	12	2	Core
GY 212	Structural Geology I	8	2	Core
OG 101	Introduction to Petroleum Engineering	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GY 250	Mineralogy and Crystallography	12	2	Core
FN 250	Financial Literacy	0	2	Core
EE 171	Computer Programming for Engineers	8	1	Elective
GR 201	Volcanology	8	1	Elective
GY 216	Paleontology	8	2	Elective
GR 204	Geothermal Systems	12	2	Elective

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Third Year				
GY 315	Stratigraphy	8	1	Core
GY 314	Igneous and Metamorphic Petrology	12	1	Core
GY 371	Geotectonics	12	1	Core
GP 311	Gravity and Magmatic Methods	12	1	Core
PG 302	Petroleum Geology	8	1	Core
PG 347	Well Logging, Analysis and Formation Evaluation	8	1	Core
PG 399	Geological Mapping II	8	1	Core
PG 313	Biostratigraphy	12	2	Core
PG 323	Petroleum Geochemistry	8	2	Core
GY 311	Metallic Mineral Deposits	12	2	Core
PG 340	Helium Geochemistry and Exploration	8	2	Core
GP 321	Exploration Seismology	12	2	Core
PG 349	Data Analysis Methods in Petroleum Geology	8	2	Core
GY 352	Marine Geology	8	2	Core
GY 375	Professional Communication for Geologist	8	2	Core
GP 312	Seismology	12	1	Elective
GY 330	Principles of Hydrogeology	12	1	Elective
OG 321	Drilling I	12	1	Elective
GY 318	Structural Geology II	8	1	Elective
Fourth Year				
GY 411	Geology and Mineral Resources of Tanzania	12	1	Core
PG 418	Sedimentary Basins and Petroleum Systems	12	1	Core
MK 100	Introduction to Business	12	1	Core
PG 421	Seismic Data Interpretation	12	1	Core
PG 440	Petroleum Production Geology	12	1	Core
PG 499/498	Industrial Training/Industrial Attachment for Extractive Industry Student	8/12	1	Core
OG 405	Petroleum Project Evaluation and Economics	8	2	Core
GM 100	Principles and Practices of Management	12	2	Core
PG 405	Independent Project	12	2	Core
GY 317	Mining Geology	12	2	Core
PG 444	Petroleum Geology Review	8	2	Core
GP 401	Groundwater and Environmental Geophysics	12	1	Elective
GY 409	Industrial Minerals and Rocks	12	1	Elective
CH 251	Formation and Composition of Petroleum	12	1	Elective
GY 356	Applied Geochemistry	12	1	Elective
GY 333	Applied Geophysics	12	2	Elective
CH 252	Chemistry of Coal	12	2	Elective
GY 446	Environmental Geology	8	2	Elective

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E. Jackson, BSc (Dar), Msc (Trondheim)
M. K. Athumani

Laboratory Technician I
C. Madalali, Dip (Dar)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

UNIVERSITY OF DAR ES SALAAM MINERAL RESOURCES INSTITUTE (UDSM-MRI)

ACADEMIC PROGRAMMES OFFERED BY THE INSTITUTE

The Institute is fully accredited by the National Council for Technical, Vocational Education, and Training (NACTVET) to offer and grant awards to successful candidates enrolled in Certificate and Diploma programmes. The awards granted are based on the National Technical Awards (NTA) framework, specifically at Levels 4 to 6, as outlined below:

i) NTA Level 4 – Basic Technician Certificate
ii) NTA Level 5 – Technician Certificate
iii) NTA Level 6 – Ordinary Diploma

2. Basic Technician Certificate and Technician Certificate

NTA Level 4 and 5 are part of the Diploma. Students who wish to exit or fail to attain a Diploma but have successfully fulfilled the requirements for awards of Basic Technician Certificate (NTA Level 4) or Technician Certificate (NTA Level 5) shall be awarded the awards qualified for.

3. Diploma Programmes

i) Diploma in Geology and Mineral Exploration
ii) Diploma in Petroleum Geosciences and Exploration
iii) Diploma in Mining Engineering
iv) Diploma in Metallurgy and Mineral Processing Engineering
v) Diploma in Environmental Engineering and Management
vi) Diploma in Land and Mine Surveying

GENERAL EXAMINATION REGULATIONS

Progression of students from one NTA Level to the next level, the general fate of students and the conduct of examinations are guided by the approved Institute Examination Regulations. Students are required to sit for examinations according to the Institute Examinations Regulations. These regulations shall apply to the accredited programmes leading to the awards of NTA Levels 4, 5 and 6 with effect from academic year 2017/2018.

By registering as MRI student every student is deemed to be cognisant of, and to have to agree and abide to the examination rules set out in these regulations.

PART I

PRELIMINARY PROVISIONS

1. Citation

These regulations may be cited as the Mineral Resources Institute Examinations Regulations, from academic year 2017/2018 till reviewed.

2. Interpretation

In these regulations unless the context otherwise requires:

"Academic Program" means a program of studies, which leads to the National Technical Award (NTA) to students, after the successful completion of the program requirements.

"NACTVET" The National Council for Technical and Vocational Education and Training

"Continuous Assessment" means any form of evaluation made during the course of the academic year such as practical, written test, quiz, assignment, presentations, homework, project, and field excursion, which contributes to the final score in examinations.

"Practical" means any form of evaluation made during the course of the academic year including laboratory experiments, field experiments, computer laboratory exercises and workshop experiments.

"Credit Module" means a module of study with successful completion of which shall count towards earning of the award.

"Credit Value" means a credit assigned to the module of which shall count towards earning of the award.

"Credit Hour" means a lecture of one-hour duration per week per semester or two or three contact hours in case of tutorials and laboratory work for a module countable towards a student's Cumulative Grade Point Average.

"Semester Grade Point Average" also known in its acronym as **(SEM GPA)"** means the summation of product of grade points and credit values of all credit modules divided by the total number of credits taken by a student in a given semester:
WHERE GPA FOR A GIVEN SEMESTER = Σ (Grade points x Credits)/ Σ Credits

"Cumulative Grade Point Average" also known in its acronym as **(cum GPA)"** means the summation of product of grade points and credit values of all credit modules divided by the total number of credits taken by a student beginning from his/her admission till the last examination held:
CGPA = Avg GPA = (GPA FOR SEMESTER I + GPA FOR SEMESTER II)/2

"MRISO" means Mineral Resources Institute Students Organization
"Examination" means a measurement of academic or professional achievement attempted during the progression of an academic phase or professional training phase, which helps to provide accurate predictions for future academic success or future professional competence of a Candidate.

Examinations include Test 1, Test 2 and end of Semester Examinations including practical where appropriate.

"Examination Offence" means any harm brought about before, during or after the examination by the conduct of a candidate in relation to examinations, which the Institute desires to prevent by a threat of punishment.

"Academic Year" Means the period between the beginning of the first semester and the end of the second semester, including Industrial Practical Training.

"Grade Point" means number of points representing letter grades scored by a student in a module examination.
"Institute" means Mineral Resources Institute.

"Coordinator – Academic Affairs" means a person responsible for overseeing and facilitating the effective implementation of academic policies, programs, and processes within the institute.

"Invigilator" means an officer in charge of candidates in an examination room to ensure that the examination is properly conducted and no candidate cheats.

"Director" means the Director of Mineral Resources Institute.

"Semester" means an academic period, in which one set of course modules in each discipline is offered and examined.

"Supervisor" means an officer in charge of candidates at an examination centre to make sure that the examinations are properly conducted and no candidate or invigilator cheats.

"Supplementary Examination" means an examination administered to candidates who fail to obtain a pass in the specified number of modules during regular examinations.

"Student's Academic Progress Report" means an official written statement of Semester Examinations results issued by the Institute.

"Academic Transcript" means an official written statement of all three year results issued by the Institute.

"Special Examinations" means examination administered to candidates who by reasonable cases fail to attend the semester examination(s).

"Examinations Officer" means a person appointed by the Institute on such terms and conditions as the Institute may consider necessary for the coordination and overseeing all examinations activities.

"Secrecy Officer" means a person appointed by the Institute on such terms and conditions as the Institute may consider necessary for engaging in any examination activities.

PART II

CONDUCT OF EXAMINATIONS

Dates and Timing of Examinations

1) Examinations shall be conducted on such dates and at such time as the Institute may determine provided that unless otherwise decided by the Institute
2) Examinations for various National Technical Award Levels conducted by the Institute shall be held at the end of each semester
3) Timetables in respect of the dates and times of examinations shall be released at least two (2) weeks before the commencement of such examinations.
4) There shall be a written and, where the module demands, a practical examination during each end of semester for a module taught.
   It is the responsibility of the candidates to maintain awareness of the mode of examination, examination room, dates and time of examination.

Mode of Application

1) Any candidate seeking admission to any examination of the Institute shall make an application in the prescribed examination registration form within such period as may be prescribed by the Institute, provided that the Director shall have power if he considers it appropriate to accept any examination registration form/fees after the deadline with late fees, on such terms and conditions as he may deem fit.
2) The examination registration forms duly filled in shall be submitted to the Coordinator academic affairs before the deadline for receipt of the form, provided that no Examination Registration Form shall be accepted by the Coordinator academic affairs if the applicant has not paid fees as described in the Prospectus.
3) Each candidate shall together with the duly filled registration form enclose two copies of his recent passport size photograph;
   Candidate's name appearing on the entry form shall be the same as the name appearing on the Continuous Assessment record form.

Payment of Fees

1) The examination fees described in the Prospectus shall not be negotiable or refunded or transferred and shall be deposited using given CONTROL NUMBER; and the original receipt shall be submitted to the Registrar of Student and Examinations.
2) No cash amount shall be received.
   Provided that where the last date fixed for receipt of fees and form of application or list of candidates with or without late fees is a public holiday, the next working day shall be considered as the last date for the purpose.

Registration for Examinations

After due consideration of the application forms and other requirements as submitted by the candidate, the Coordinator academic affairs shall within a prescribed time cause the registration of the candidate for examination.

Examinable modules

1) The Coordinator academic affairs shall prescribe from semester to semester the examinations to be conducted by the Institute. Provided that the Director may order a special examination or re-examination in one or more modules.
2) The Coordinator academic affairs shall from time to time provide Examination guidelines for Supervisors, Invigilators and candidates and issue rules relating to the duties of Supervisors and Invigilators.

3) Subject to the Regulations, Rules and Directions given by the Institute, the Director shall be responsible for all arrangements connected with the conduct of examinations and all matters connected therewith.

Mode of Examination

Candidates for the Institute Examinations shall be examined by:-

1) Written question papers which they shall be required to answer in writing;
2) Practical examinations as provided for in the curriculum for the respective modules;
3) Presentations as provided for in the curriculum for the respective modules; and
4) Industrial Practical Training and Project reports
    a) Provided that the management of practical and Industrial Practical Training examinations, unless otherwise specified, shall be assessed by examiners appointed by Director
    b) Whenever Industrial practical Training or field excursion work has been done as described in the curriculum, a duly report of such work done shall be brought to the Institute by each student for marking or evaluation.
    c) Written examination in a module shall be, by means of question paper and the question paper in the module shall be given to candidates simultaneously at every room at which the examination is being held.
    d) The Curriculum of each National Technical Award Level and assessment plan of examination shall be prescribed by the Institute from time to time. The Medium of instruction for all modules shall be English.

Admission into Examinations

No eligible candidates shall be prohibited from appearing in the examination of the Institute except for compelling reasons and with permission from the Director.

Requirement of Attendance in Subjects of Continuous Assessment

1) No candidate shall be admitted into examinations unless he/she has completed the prescribed continuous assessment and 75% of class attendance. For all programmes except Land and Mine Surveying, Continuous assessment marks for each module is 20 marks out of 40 marks for NTA Level 4 and 5, and 18 marks out of 40 marks for NTA Level 6. For Land and Mine Surveying programme, Continuous assessment marks for each module is 30 marks out of 60 marks for NTA Level 4 and 5, and 27 marks out of 60 marks for NTA Level 6.
2) A candidate who has been barred from sitting for end of semester examination because of either incomplete continuous assessment or not attaining 75% of class attendance shall be given an F grade for the respective module and shall be required to retake the Module when next offered.
3) A candidate who fails in the continuous assessment shall be deemed to have failed the module and will be barred from sitting for end of semester examination. A candidate who is barred shall be given an F grade for the respective module and shall be required to retake the Module when next offered.
4) All incomplete for continuous assessment shall be cleared before the starting end of semester examinations and it is the responsibility of students to make sure that he/she has cleared the incomplete (s).
5) A candidate who has not cleared his/her incomplete (s) in the continuous assessment shall be deemed to have failed the module and will be barred from sitting for end of semester examination. A candidate who is barred shall be given an F grade for the respective module and shall be required to retake the Module when next offered.
6) All continuous assessment shall be administered and Coordinated by the Head of respective Department as per Institute almanac.
7) A candidate who is required to retake the module shall have to do both Continuous Assessment and End of Semester.

A candidate who is required to retake the module (s) shall pay all Institute contributions for the respective semester with exception of Tuition fee.

Rules for Condonation of Shortage of Attendance

1) Basing on medical ground, the Director of the Institute shall be the competent authority to allow a deficiency of class attendance provided that the class attendance of student is 50% or above.
2) All cases of shortage of attendance shall be referred by the Coordinator academic affairs. Such cases will be referred to the Director with his/her recommendation, failure of which valid reasons for not recommending the case shall have to be stated

   The following may be considered valid reasons for recommending the cases:
   a) Prolonged illness;
   b) Loss of parent or guardian or any other incident leading to absence from the Institute which merits special consideration;
   c) Any other reason of serious nature as the Coordinator academic affairs of the Institute may determine.

3) A candidate who participates in sports and cultural activities or tournaments conducted by the Government or appears in a competitive examination conducted by the Government, shall have the actual days spent in sports and cultural activities or tournaments or examination and the travelling days connected therewith counted on the production of satisfactory evidence as to the attendance of the candidate.
4) Notwithstanding anything contained in these Regulations, no candidate who has been expelled or is still undergoing rustication or who has been barred from taking an examination for being involved in examinations offences or for any other reason shall be admitted to any examination of the Institute.

PART III

CONFIDENTIALITY, SAFETY AND SECURITY OF EXAMINATIONS

Paper Setting

1. For the purpose of paper setting, the Institute shall from time to time, approve a list of tutors of proven integrity and with the requisite qualifications set by the Institute from whom paper setters will be appointed:
   Provided that no paper setter shall be engaged for the same type of work for more than 3 years continuously unless such engagement is approved by the Director
2. The Institute may in modules where setters are not available appoint any other competent person as paper setter.
3. The procedure for appointment of paper setters shall be prescribed in the guidelines for appointment of paper setters provided by the institute from time to time.

Moderation

1. Question papers shall be moderated by a team of moderators appointed by the Institute, consisting of eminent scholars with at least two years' experience in the concerned module to see their correctness and consistency with curriculum:
   Provided that no person who has written any help book or guide on a module shall be appointed as moderator on the concerned module unless he has declared that his position as an author will not conflict with his appointment as moderator.
2. External examiners shall be invited to oversee the whole process moderation of such examinations. These people shall have the relevant qualifications coming from the academic institutions recognized by the Government.
3. Aperson appointed as moderator shall declare (in the declaration form) the name(s) of his/her close relative(s) appearing in the concerned examination.

Receipts of answer Books

1. All answer books shall be received at the office of the Coordinator academic affairs and shall be deemed to be confidential documents and no person except those authorized by the Institute shall be permitted to handle them.
2. The team of Secrecy Officers shall undertake to maintain the confidentiality of the assignment given to them.
3. A person appointed as a Secrecy Officers or a member of such team shall declare (in the declaration form) the name(s) of his close relative(s) appearing in the examination(s) of the Institute.

Marking

1. No answer book may be marked outside the specified marking centres.
2. All answer books shall be marked by approved markers at such centres as shall be approved by the Director from time to time.
3. Each examination paper shall be accompanied by detailed marking scheme, indicating value points in respect of each answer which should be revisited by markers before marking starts.
4. For calculating pass marks fixed by the regulations for each examination, if a fraction is half or more it shall be rounded up to the next higher figure and if a fraction is less than one-half, it shall be ignored.

Appointment and duties of markers

1. The Institute shall appoint Chief Markers for various modules from amongst the serving tutors of the Institute.
2. It shall be the responsibility of the Chief Marker to:

a) Ensure uniformity in marking;
Bring to the notice of the Institute, discrepancies, anomalies and suspected use of unfair means identified during the course of marking;
b) Recommend to the Institute in writing the names of such markers who have not carried out instructions of the Institute and have not been punctual or have not observed the code of conduct as may be deemed fit by the Institute.

3. A person to be appointed as Chief Marker shall possess the following qualifications:
   a) Have a teaching experience of not less than three years.
   b) Be conversant with the curriculum by being engaged in teaching the relevant modules.
4. The Institute shall appoint other markers to mark the answer books in accordance with the approved marking scheme:
   Provided that no person shall be appointed as a marker for two or more marking panels or for two examinations simultaneously
5. The panel of markers shall consist of serving tutors of registered technical institution, with experience of teaching the module for at least 2 years, recommended by the Director.
6. No person even if he is fully qualified shall be appointed as marker for a theory module, if he has never engaged in teaching.
7. The Institute shall enlist and maintain approved list of markers from which it shall appoint markers.
8. A person appointed as Chief Marker or marker shall declare the name(s) of his close relative(s) appearing in the examination(s) of the Institute.

Checking of Marking

1. The Chief Markers shall have power to appoint such number of Checking Assistants as per the guidelines provided by the Institute.
2. The responsibilities of the Checking Assistants shall be to:
   a) Assist in summing marks;
   b) Compare the score lists with the answer scripts to ensure accuracy in the work; and
   c) Ensure that no portion of the script has remained unmarked.

Remuneration

1. Every Paper Setter, Moderator, Supervisor, Invigilator, Chief Marker, Marker, Checker, Secrecy Officer, or any other person deployed by the Institute for examinations work may be paid remuneration at such rates as approved by the Institute.
2. The Coordinator academic affairs may permit markers to mark more than a prescribed maximum number of answer books in special cases in the interest of the Institute.

Score Lists

3. All score lists shall be treated as confidential documents of the Institute as the case may be and no person except those authorized by the Institute shall be permitted to handle the score lists.
4. No person shall be authorized to change the marks already in the score list, if any; verification shall be communicated to the Coordinator academic affairs through a written communication.
5. No person other than the Director or Coordinator academic affairs or Head of Department as the case may be, shall be competent to communicate any change in the score list:
   Provided that all such communications shall be sent in writing duly attested and signed by the officer concerned.
6. All score lists of the Institute, shall be destroyed two years after the declaration of results in the presence of the School Examination Committee Members.

Examination Results

All examination results together with a statement of percentage of passes in the whole examination and in each Module shall be submitted to the School Examination Committeefor approval before publication.

Approval of Examinations Results

In case of discussion and approval of examination results, there shall be Committees and Board with defined compositions and functions. The approval of results shall be as follows:

a) Continuous Assessment results shall be approved by the Departmental Academic Committee before starting of end of semester examinations,
b) Provisional results for end of semester examinations shall be approved by the **School Examination Board (SEB)**.
c) Final results for end of semester examinations shall be approved by the **University of Dar es Salaam Senate**.

Publication of Results

1. The coordinator academic affairs shall publish the provisional results of an examination in such manner as directed by the Institute Examination Board before submitting to the **University of Dar es Salaam Senate**.
2. The final results of candidates in every examination shall be published by Coordinator academic affairs after being approved by **University of Dar es Salaam Senate**.
3. The published results will indicate the registration number, marks, grades obtained by the candidate in each module and GPA.
4. It is the responsibility of the candidates to maintain awareness of academic performance including examination results.
5. The Institute may declare the result of the candidate(s) as incomplete (I) due to inadequacy of data, lack of information from the candidate or 'Withheld' due to recommendations given by SEB.
6. If deemed necessary with reasonable cases candidates with incomplete(s) in his /her semester examination shall be allowed to attend special examination during supplementary examination period. It must be noted that no supplementary examination will be offered to candidates who fail special examinations.
7. If a candidate, whose result is withheld by the Institute for any case as described in (22.5) above, the results shall stand be withheld until he/she clears the discrepancy.
8. If the candidate fails to attend supplementary or any other examination due to the results being withheld shall be considered as discontinued from studies.
9. The Director in consultation with SEB has the power to authorize special examination to students discontinued from studies if their cause of discontinuation is due to withheld results and the students have strong reasons for being late in clearing the discrepancy, such strong reasons include:
    i. Prolonged illness
    ii. Loss of parent or guardian or any other incident leading to absence from the institution which merits special consideration
    iii. Any other reason of serious nature as the Coordinator academic affairs and/ or Dean of Students of the Institution may determine.

Coordination of the Institute Examinations

1. The overall coordination of the examinations shall be the responsibility of the Coordinator academic affairs under the directives of the Deputy Director – Academics, Research and Consultancy/ Director.
2. Continuous Assessment (CA) results for each module shall be completed and made available

to students by the respective Tutors before commencement of end of semester examination after being approved by DAC.

3. The Institute shall appoint the External Examiners for the Institute examinations.

Maintenance of Answer Books

The answer books shall be maintained for a period of at least two years from the date of publication of final results and shall thereafter be disposed off in the manner as may be determined by the Institute.

Maintenance of Confidentiality

Every person appointed by the Institute for confidential work shall maintain utmost secrecy.

PART IV

EXAMINATION OFFENCES AND PENALTIES

Examination Offences, Irregularities and Penalties

1. Any person who contravenes any of the requirements or conditions stipulated in the third schedule to these Regulations shall have committed an Examination offence as interpreted in this document and shall be liable for the penalty prescribed therein.
2. Notwithstanding the provisions of Sub regulation (26.1) and the third schedule: -
   a) Where a person who is not the students of the Institute commits an Examination offence under these Regulations, the Institute may report the case to the Police.
   b) Where a Tutor or a person connected with an Institute commits an Examination offence under these Regulations, his/her conduct shall be reported to the Management of the Institute and he/she shall be banned from any remunerative job in the Institute with additional punishment as decided by Management.
   c) Where the Institute is satisfied after enquiry that the integrity of the Examinations had been violated as a consequence of wholesale unfair assistance rendered to the examinees, the Director in consultation with the SEB may cancel the examination and order other examination.

Examination Irregularities

a) All cases of suspected or proved examination irregularities shall be referred to School Examination Board (SEB) for discussion and final decision.

b) Examination irregularities shall mean:
   i. Cheating (i.e. copying from manuscript and books or any source which is not allowed in examination room)
   ii. Conversing with a fellow candidate during examination.
   iii. Bringing unauthorized materials in the examination room, whether found in briefcases, clothes, pockets, handbags or elsewhere within the examination room.
   iv. Copying from a fellow student.
   v. Exchanging answer scripts.
   vi. Leaving the examination room without permission.
   vii. Attempting examinations which is not registered for,
   viii. Any other forms either being kind of dishonesty falsification or destruction of evidence of unlawful material.

c) For the Purpose of these Regulations:
   i. Unauthorized materials include any written or printed materials that is generally or specifically prohibited from being brought into the examination room and items such as cellular or mobile phones, radios, radio cassette, pagers, microcomputers, computers, earpiece, books, exercise books and any other materials as may be specified by the Institute from time to time.
   ii. Any candidate found cheating or committing examination irregularities in any part of the examination process shall be deemed to have failed in the whole examinations for that semester and shall be discontinued from studies with immediate effect, subject to confirmation by the UDSM Senate.
   iii. Any candidate found guilty of bringing unauthorized materials into the examination room in any part of the examination process, shall be deemed to have committed an examination irregularity and shall be discontinued from studies subject to confirmation by the UDSM Senate.

iv. Any candidate found guilty of committing an examination irregularity may appeal to UDSM Senate in accordance with the provisions of these regulations.
v. The UDSM Senate may impose penalty on a candidate found guilty of committing an examination irregularity, depending on the gravity of the facts or circumstances constituting the offence, as the UDSM Senate may deem appropriate.

Examination Instructions to Candidate

1. Candidates shall be allowed to enter the examination room at least ten minutes prior to time prescribed for the commencement of end of semester examinations.
2. In any end of semester examination, no candidate shall be allowed to enter the examination room more than half an hour after the examination has started and no candidate shall be permitted to leave the examination room until half an hour has elapsed after the start of the examination.
3. No direct communication (verbal or otherwise) between candidates is allowed during the examination. If any candidate needs to communicate, he / she must do so by raising his/her hand to attract attention of the Invigilator.
4. Smoking and drinking alcohol and or being in a condition of alcohol influence in the examination room, causing disturbance in/ near any examination room is completely prohibited.
5. Candidates, subject to the permission of the invigilator, are allowed to go out of the examination room, one at a time, with an escort for no more than ten minutes and only for the purpose of a call of nature.
6. Candidates should use their examination numbers only for the examinations as such names, initials or any other mark that may distinguish one candidate from another should never be written on script papers or answer books.
7. Using anybody else's examination number is considered a case of dishonesty that is liable for disciplinary action as shall be determined by examinations Regulations to SEB.
8. Candidate must stop writing immediately the invigilator gives notice. During examination normally, candidate will be warned 15 minutes prior to the end of examination.
9. Candidates should arrange and fasten their answer scripts following page numbers. Before going out of the examination room, each candidate shall personally handover his/her answer script to the Invigilator.
10. All students must have valid Institute's Identify Card in the examination room.

Invigilation of End of Semester Examinations

Before the examinations start:

i. Invigilators should be physically present in the examination room at least fifteen minutes before the commencement of the examination.
ii. The Examinations Officer shall provide invigilators with the following items:
iii. Sealed envelopes containing the examination papers to be attempted by candidates. The sealed envelopes containing examination papers must be collected personally by each invigilator from the
    - Examinations office at least 20 minutes before the examination start.
    - Timetable for examinations.
    - Attendance sheet with candidates' examination numbers for their signature.
    - Examinations Forms iii) Invigilators shall search/ check students to ensure that they do not enter the examination room with unauthorized materials.

iv. Invigilators must also ensure that only one answer book/ script is provided for each candidate. The answer book/ script must be filled before any additional sheets of paper are provided.

v. Invigilators shall admit candidates to the examination room at least ten minutes before the commencement of the examination. Handbags, purses, overcoats, books, papers and other similar articles shall not be allowed in the examination room.

vi. During the first ten minutes before the commencement of the examination the invigilator should:

- Make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper.
- Call attention to anything that seems to require clarification.
- Tell candidates when they may begin writing. Candidates will normally be allowed five minutes to read the paper. vii) Invigilators should not admit candidates to the examination room after thirty minutes from the commencement of the examination and should not permit them to leave the room until thirty minutes have elapsed.

The Invigilator shall be responsible for the proper conduct of the examination. It will be his/her duty to report immediately all cases of irregularity or misconduct in the examination to the Registrar of Student and Examinations and shall have to write a report to the Deputy Director - Academics, Research and Consultancy/ Director including full details of the contravention.

During the Examination:

i. At the commencement of the examination, invigilator should remind candidates to ensure that they are attempting the right examination papers.

ii. Invigilators should ensure that candidates are provided with the necessary examination requirements (e.g. scripts, mathematical tables).

iii. Invigilators should not stay in one place for too long. They should move around and strategically observe candidates from the back.

iv. Random checks of answer books should be done to search for unauthorized materials which may be hidden within the answer books.

v. Invigilators shall have the power to confiscate any unauthorized materials (e.g. book, manuscript, or other aid brought into the examination room) and submit the written report with evidence to supervisor for further actions.

At the end of the Examination

i. No candidate shall leave the examination room during the last fifteen minutes of the time allocated for the examination except in cases of emergency.

ii. Invigilators shall instruct the candidates to stop writing to require them to hand in the examination scripts.

iii. Invigilators must ensure that candidates sign against their examination numbers in the attendance sheet provided by the Coordinator academic affairs. The attendance sheet must be handed to the Coordinator academic affairs at the end of each session.

iv. Invigilators shall hand over all extra examination papers to the Coordinator academic affairs.

Appeals

i. Where a candidate is aggrieved by the decision taken under section (Examination Regulatory) of these regulations, or is dissatisfied with the marking of his/her examination, computation of marks or grades or for any other academic grounds, he/ she may appeal to the School Examination Board (SEB)

ii. All appeals must be lodged to Director within 14 days from the date of release of provisional examination results.

iii. All appeals must be accompanied by a non-refundable fee of Tshs. 25,000/= (Thirty thousand shillings only) per module, this fee may be reviewed from time to time.

iv. The same rate or any other rates approved by the SEB shall be charged for any further appeals or application for review of appeal decision.

Penalties in the case of Markers and Checkers

The School Examination Committeeshall prescribe penalties to be imposed on markers for the delay in submission of scores to the Institute and other mistakes committed by the markers and checkers.

PART V

CERTIFICATION AND AWARDS

Pass Certification and Transcript

A candidate who has appeared in an examination of the Institute and passed all credit modules shall be given Academic Progress Report, Student's Academic Performance (Provisional Results), Academic Transcript and Certificate for each NTA Level by the Institute provided that he/she exists in that level.

The charges shall be as follows:

i) Academic Transcript – Tshs. 10,000/= (per request)
ii) Student's Academic Performance (Provisional Results) – Tshs. 5,000/= (per request)
iii) Academic Progress Report – Tshs. 5,000/= (per request)

PART VI

IMPROVEMENT OF PERFORMANCE

Continuation / Discontinuation from Studies

1. A candidate who fails in one or more module(s) may sit for supplementary examination for the failed module(s) for improvement of his/her performance provided that his/ her semester GPA is greater or equal to 1.8 (GPA ≥ 1.8).

2. For a candidate to continue with next semester or next academic year studies, he/ she shall obtain an overall GPA ≥ 2.0 after supplementary Examinations.

3. A Candidate is required to pass in all the modules at the end of the Academic year before proceeding to the next NTA Level of study.

4. A candidate who has failed one or more modules at Supplementary/ Special examination whatever done at the end of semester; shall retake the failed module (s) in next academic year when offered.

5. A student who fails the supplementary examination of the retaken module(s) shall be discontinued from studies.

6. If deemed necessary with reasonable cases candidates shall be allowed to attend special examination during supplementary examination period. It must be noted that no supplementary examination will be offered to candidates who fail special examinations.

7. Where a candidate obtains higher grade than the minimum pass grade (C- grade) in supplementary Examination, the grade shall be regarded as C-grade he Industrial Practical Training shall be treated as a module with the following conditions: -

a. Results from Industrial Practical Training (Daily and Weekly summaries, Industrial supervisor's report, Institute supervisor's report and IPT report) shall count to final score.

b. The results for Industrial Practical Training shall be released not later than the fourth week after opening of the institute;

c. Similarly, no reports shall be handled over to the supervisor later than the second week after opening of the institute for new Academic year.

d. Any report (including daily report) shall be handled in by writing, i.e., a name of a student and his/ her signature must appear on the submission form to be provided by the IPT Coordinator.

e. Any student who by any reasons, other than sickness (proved physically by the Doctor or the in charge of the hospital/healthy center/ dispensary) or death of close relatives as defined by Natural laws of Tanzania, absentees himself/herself from any part of the field training shall be automatically discontinued.

- It shall be regarded that, although the Industrial Practical Training account for final GPA, no student shall attend Industrial Practical Training (IPT) without first attaining a GPA≥ 1.8 in other modules (IPT exclusive) and no student shall be allowed to continue with higher NTA level unless his/her overall GPA in other modules (IPT exclusive) is greater or equal to 2.0 and all other conditions for continuation of studies are satisfied.

- The candidate should at least score a quarter (¼) of the points of the end of semester examination (i.e. 15/60) otherwise, a student will be considered to have failed the module.

- A candidate, who deliberately absents himself / herself from any examination without compelling reasons, shall have absconded and shall be discontinued from studies.

- Any candidate found cheating or committing examination irregularities in any part of the examination process shall be deemed to have failed in the whole examinations for that semester and shall be discontinued from studies with immediate effect, subject to confirmation by the SEB.
- Any candidate who has been discontinued from studies due to examination irregularities shall be allowed to apply until after at least two (2) academic years from the date of publication of final results.
- Any candidate who has been discontinued from studies due to inadequate of GPA or being absconded shall be allowed to apply in next academic year if it is the first discontinuation.
- Any candidate who has been discontinued from studies due to inadequate of GPA or being absconded shall be allowed to apply once for a final attempt if it is the second discontinuation.

PART VII

CHECKING AND REMARKING OF EXAMINATIONS

Checking and Remarking of Examination in Response of Appeal
Amendment of Results

Checking and Remarking of Examination in Response to Appeal

1. Checking and Remarking of Examination shall be confined to re-marking of answer scripts. If unmarked questions are discovered, then rechecking of marks awarded for each question in the answer book together with retotaling of marks will be done. Provided that in no case shall the scrutiny and rechecking, referred to above be done in the presence of the candidate or his answer books be shown to him or her.
2. Rechecking shall be done by the officials appointed for the purpose by the Director and they may be paid remuneration as may be approved by the Institute.
3. The Institute shall upon discovery of any mistake as a result of re-checking of answer scripts, rectify the result and communicate the outcome of rechecking to the candidate.
4. The Institute shall not be liable for any loss caused to any candidate following his or her application for rechecking.
5. No candidate shall be entitled to any retrospective benefit by way of admission to any class/ course / program or his / her eligibility for any scholarship, medal or such other benefit consequent upon any change in his results/ marks.
6. The decision of the appeal committee made under this regulation shall be final.

Amendment of Results

a) The Institute shall have the power to amend the results of a candidate within six (6) months from the date of commencement of examinations after it has been declared if:
b) he or she is disqualified for using unfair means at the examination;
c) a mistake is found in his / her results;
d) He / she is found ineligible to appear at the examination;

He / she is a person against whom action could have been taken, had the facts come to the notice of the Institute earlier.

GRADING OF EXAMINATION RESULTS AND CONDITIONS OF AWARD FOR DIFFERENT NTA LEVELS

Examination Results for NTA Levels 4 - 5 shall be graded as follows:

a) For each credit module the following grades and grade points will hold

Grade	Marks Ranges	Definition	Grade Point
A	80 – 100	Excellent	4.0
B	65 – 79	Good	3.0
C	50 – 64	Satisfactory	2.0
D	40 – 49	Poor	1.0
F	0 – 39	Failure	0.0

b) Grades A, B, and C shall be regarded as pass in ascending order of merit where A will be the highest pass grade and C the lowest pass grade while grades D and F shall be regarded as Fail.

c) Conditions for the award of the NTA levels 4 to 5

The awards for the NTA levels 4 to 5 will be granted to candidate who:

i). Passes all credit modules at grades A, B or C; and

ii). Obtains the overall cumulative grade point average (GPA) as follows:

Class of Award	Cumulative GPA
First Class	3.5 – 4.0
Second Class	3.0 – 3.4
Pass	2.0 – 2.9

Examination Results for the NTA Level 6 shall be graded as follows:

a) For each credit module the following grades and grade points will hold

Grade	Marks Ranges	Definition	Grade Point
A	75 – 100	Excellent	5.0
B+	65 – 74	Very Good	4.0
B	55 – 64	Good	3.0
C	45 – 54	Satisfactory	2.0
D	35 – 44	Poor	1.0
F	0 – 34	Failure	0.0

b) Grades A, B+, B and C shall be regarded as pass in ascending order of merit where A will be the highest pass grade and C the lowest pass grade while grades D and F shall be regarded as Fail.

c) Conditions for the Award of NTA Level 6

The awards for the NTA levels 6 will be granted to a candidate who;

i) Passes all credit modules at grades A, B^{+}, B or C; and

ii) Obtains the overall cumulative grade point average (GPA) as follows:

Class of Award	Cumulative GPA
First Class	4.4 – 5.0
Upper Second Class	3.5 – 4.3
Lower Second Class	2.7 – 3.4
Pass	2.0 – 2.6

Review and Approval of Examination Regulations
These regulations shall be reviewed from time to time by the School Examination Committee and approved by the Institute Advisory Board (IAB).

PracticalTraining
Introduction
Industrial Practical Training (IPT) is among the components covered in the three years Ordinary Diploma Certificate. Industrial Practical Training in this context means practical training taken by all eligible students outside the Institute at a given time of the academic year in the mining industries.

Objectives of Industrial Practical Training
- To give students an opportunity to apply theoretical knowledge and skills gained during the tutorial semesters to real practical situations in industries / fields,
- To increase skills gained in the Institute workshop and laboratories and to get used to different equipment not used at the Institute,
- To realize the importance of cooperation and good human relationship at a workplace,
- To give students a chance to appreciate and participate in manual work,
- To give students an opportunity to appreciate that cost estimation and efficiency are important factors to be considered during engineering decisions,
- To give students a chance to know organizational and management problems in engineering activities,
- To give students a chance to identify projects that can be done during their course work.

MINING AND MINERAL PROCESSING ENGINEERING DEPARTMENT

This Department offers a three-year programme leading to Diploma in Mining Engineering; Metallurgy and Mineral Processing Engineering; and Environmental Engineering and Management. In order to keep abreast with global technological changes, the current system ensures that learners possess the necessary required competences applicable in relevant working places. Apart from training activities in the Department, the experienced staff also offer consultancy in mineral sector whenever needed. Their experience and services have been of great benefits to the community.

Module Offered by Mining and Mineral Processing Engineering Department:

NTA Level 4: Basic Technician Certificate in Mining Engineering

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
MNT04101	Basics of Mining Engineering	**MNT04201**	Drilling and Blasting Practices
MNT04102	Drilling Machine Operations and Basic Maintenance	**MNT04202**	Mine Safety and Rescue
MNT04103	Basics in Metallurgy and Mineral Processing	**MNT04203**	Introduction to Land and Mine Surveying
MNT04104	Applied Geology	**MNT04204**	Computer Aided Drafting
MNT04105	Technical Drawing	**MNT04205**	Industrial Practical Training (IPT)
MTT04101	Algebra and Geometry	**MTT04201**	Foundation of Trigonometry and Complex Numbers
PHT04102	Basics of Mechanics	**PHT04202**	Waves and Optics
CTT04103	Computer Applications	**CST04203**	Communication Skills and Work Ethics
		EDT04204	Basics of Entrepreneurship

NTA Level 5: Technician Certificate in Mining Engineering

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
MNT05101	Rock Excavation Engineering	**MNT05201**	Team Management Skills
MNT05102	Rock Mechanics and Ground Control	**MNT05202**	Legal Framework in Mines
MNT05103	Technical Report Writing	**MNT05203**	Ore Dilution and Production Control
MTT05101	Calculus and Numerical Methods	**MNT05204**	Ore Geology and Gemstone
PHT05102	Electricity and Magnetism	**MNT05205**	Industrial Practical Training (IPT)
CTT05103	Computer Networks and Database Systems	**CHT05201**	Atomic Structure and Radioactivity
		EDT05201	Business Practices

NTA Level 6: Diploma in Mining Engineering

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
MNT06101	Underground Mining Methods	**MNT06201**	Mine Transportation and Dewatering
MNT06102	Mine Ventilation and Air Conditioning	**MNT06202**	Supervisory Skills
MNT06103	Waste Dumps, Stockpiles and Tailings Dam Design	**MNT06203**	Mine Design Software
MNT06104	Mine Surveying	**MNT06204**	Basics of Mineral Economics and Finance
MNT06105	Final Year Project Proposal	**MNT06205**	Final Year Project Work
MTT06101	Linear Programming and Critical Path Methods	**MTT06201**	Probability and Statistics
PHT06102	Heat and Thermodynamics	**CDT06202**	Career Development and Life Skills

NTA Level 4: Basic Technician Certificate in Metallurgy and Mineral Processing Engineering

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
MPT04101	Basics of Metallurgy and Mineral Processing	**MPT04201**	Comminution and Classification
MPT04102	Sampling and Assaying	**MPT04202**	Metallurgy and Mineral Processing Laboratory
MPT04103	Environmental Health and Safety in Laboratory and Plant Operations	**MPT04203**	Dewatering and Tailing Disposal
MPT04104	Basics of Geology	**MPT04204**	Computer Aided Drafting
MPT04105	Technical Drawing	**MPT04205**	Industrial Practical Training (IPT)
MTT04101	Algebra and Geometry	**MTT04201**	Foundation of Trigonometry and Complex Numbers
PHT04102	Basics of Mechanics	**PHT04202**	Waves and Optics
CTT04103	Computer Applications	**EDT04204**	Basics of Entrepreneurship
		CST04203	Communication Skills and Work Ethics

NTA Level 5: Technician Certificate in Metallurgy and Mineral Processing Engineering

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
MPT05101	Mineral Concentration	**MPT05201**	Basics of Pyro and Electro Metallurgy
MPT05102	Hydrometallurgy	**MPT05202**	Maintenance of Plant and Laboratory Equipment
MPT05103	Metallurgical Test Work and Interpretation	**MPT05203**	Coal and Gemstone Processing Technology
MPT05104	Ore Mineralogy	**MPT05204**	Legal Framework in Mining

MPT05105	Technical Report Writing	**MPT05205**	Industrial Practical Training (IPT)
MTT05101	Calculus and Numerical Methods	**CHT05206**	Element of Inorganic Chemistry and Physical Chemistry
PHT05102	Electricity and Magnetism	**EDT05201**	Business Practices
CTT05103	Computer Networks and Database Systems		

NTA Level 6: Diploma in Metallurgy and Mineral Processing Engineering

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
MPT06101	Mineral Processing Plant Flowsheet Design	**MPT06201**	Supervision of Mineral Processing Plant Operations
MPT06102	Fundamental of Metallurgical Accounting	**MPT06202**	Fundamental of Mineral Processing Control
MPT06103	Mine Waste Management.	**MPT06203**	Basics of Mineral Economics and Finance
MPT06104	Cyanide Management in Mining	**MPT06204**	Final Year Project Work
MPT06105	Final Year Project Proposal	**MTT06201**	Probability and Statistics
MTT06101	Linear programming and Critical Path Methods	**EDT06202**	Fundamentals of Entrepreneurship Creativity and Innovation
PHT06102	Heat and Thermodynamics		
EDT06102	Entrepreneurship and Venture Creation		

NTA Level 4: Basic Technician Certificate in Environmental Engineering and Management

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
EMT04101	Mining and the Environment	**EMT04201**	Environmental Chemistry and Pollution
EMT04102	Geology and the Environment	**EMT04202**	Environmental Ecology
EMT04103	Environmental Sampling and Monitoring	**EMT04203**	Occupational Health and Safety
EMT04104	Mineral Processing and the Environment	**EMT04204**	Computer Aided Drafting
EMT04105	Technical Drawing	**EMT04205**	Industrial Practical Training (IPT)
MTT04101	Algebra and Geometry		
PHT04102	Basics of Mechanics	**MTT04201**	Foundation of Trigonometry and Complex Numbers
CTT04103	Computer Applications	**PHT04202**	Waves and Optics
		EDT04204	Basics of Entrepreneurship
		CST04203	Communication Skills and Work Ethics

NTA Level 5: Technician Certificate in Environmental Engineering and Management

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
EMT05101	Solid Waste Management Technology	**EMT05201**	Team Management Skills
EMT05102	Environmental Planning	**EMT05202**	Water and Wastewater Treatment Technology
EMT05103	Technical Report Writing	**EMT06203**	Cyanide Management in Mining
MTT05101	Calculus and Numerical Methods	**EMT06204**	Industrial Practical Training (IPT)
PHT05102	Electricity and Magnetism	**CHT05201**	Atomic Structure and Radioactivity
CTT05103	Computer Networks and Database Systems	**EDT05201**	Business Practices

NTA Level 6: Diploma in Environmental Engineering and Management

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
EMT06101	Water and Land Pollution Prevention and control	**EMT06201**	Mine Wastes Management
EMT06102	Air Pollution prevention and control	**EMT06202**	Noise and Vibration Control
EMT06103	Final Year Project Proposal	**EMT06203**	Final Year Project Work
MTT06101	Linear Programming and Critical Path Methods	**MNT06202**	Supervisory Skills
PHT06102	Heat and Thermodynamics	**MTT06201**	Probability and Statistics
CTT06103	Fundamentals of Information Technology	**EDT06202**	Fundamentals of Entrepreneurship Creativity and Innovation
EDT06103	Basics of Entrepreneurship and Venture creation		

GEOLOGY AND MINERAL EXPLORATION DEPARTMENT

The Department offers Diploma Certificate in Geology and Mineral Exploration, Petroleum Geosciences and Land and Mine Surveying under the National Technical Award (NTA) Framework. The curriculum used in the Department are modular in structure, competence based and meets the challenges of the current technological developments. The Competence Based Education and Training (CBET) emphases on learning outcomes, which demonstrate competences, knowledge and practical skills required for a particular task. Apart from training activities in the Department, the experienced staff also offer consultancy in mineral sector whenever needed. Their experience and services have been of great benefits to the community.

Module Offered by Geology and Mineral Exploration Department:
NTA Level 4: Basic Technician Certificate in Geology and Mineral Exploration

Semester I		Semester II	
Code	**Module Title**	Code	**Module Title**
GET04101	Introduction to geology	**GET04201**	Basics of Mineral Exploration
GET04102	Occupational Health and Safety	**GET04202**	Geo-Laboratory Technology
GET04103	Principles of Land Surveying	**GET04203**	Environmental Hazards Monitoring
GET04104	Structural Geology	**GET04204**	Industrial Practical Training (IPT)
MTT04101	Algebra and Geometry	**MTT04201**	Foundation of Trigonometry and Complex Numbers
PHT04102	Basics of Mechanics	**PHT04202**	Waves and Optics
CTT04103	Computer Applications	**CST04203**	Communication Skills and Work Ethics
		EDT04204	Basics of Entrepreneurship

NTA Level 5: Technician Certificate in Geology and Mineral Exploration

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
GET05101	Ore Genesis	**GET05201**	Exploration Drilling
GET05102	Petrology and Minerology	**GET05202**	Geophysical Exploration
GET05103	Exploration Geochemistry	**GET05203**	Ore Dilution and Production Control
GET05104	Geographical Information Management	**GET05204**	Geological Field Mapping
GET05105	Technical Report Writing	**GET05205**	Industrial Practical Training (IPT)
MTT05101	Calculus and Numerical Methods	**CHT05201**	Atomic Structure and Radioactivity
PHT05102	Electricity and Magnetism	**CTT05202**	Computer Database Systems
		EDT05201	Venture Creation and Business Plans

NTA Level 6: Diploma in Geology and Mineral Exploration

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
GET06101	Mining Geology and Grade Control	**GET06201**	Legal Framework in Mining
GET06102	Geological Modelling	**GET06202**	Geospatial Data Analysis
GET06103	Mine Surveying	**GET06203**	Mineral Exploration Project Management
GET06104	Final year Project Proposal	**GET06204**	Final Year Project Work
MTT06101	Linear Programming and Critical Path Methods	**MTT06201**	Probability and Statistics
EDT06102	Entrepreneurship and Venture Creation	**EDT06202**	Entrepreneurship Creativity and Innovation

NTA Level 4: Basic Technician Certificate in Petroleum Geosciences and Exploration

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
PGT04101	Introduction to Geology	**PGT04201**	Fundamentals of Palaeontology
PGT04102	Occupational Health and Safety	**PGT04202**	Sedimentology and Stratigraphy
PGT04103	Elements of Petroleum Geology	**PGT04203**	Geological Mapping
PGT04104	Petroleum Structural Geology	**PGT04203**	Geo-Laboratory Technology
		PGT04205	Industrial Practical Training (IPT)
MTT04101	Algebra and Geometry	**MTT04201**	Foundation of Trigonometry and Complex Numbers
PHT04102	Basics of Mechanics	**PHT04202**	Waves and Optics
CTT04103	Computer Applications	**EDT04204**	Basics of Entrepreneurship
		CST04203	Communication Skills and Work Ethics

NTA Level 5: Technician Certificate in Petroleum Geosciences and Exploration

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
PGT05101	Seismic Fundamentals and Refraction Methods	**PGT05201**	Gravity and Magnetic Methods
PGT05102	Seismic Reflection Acquisition and Processing	**PGT05202**	Geo-Electric Methods
PGT05103	Petroleum Chemistry and Processing	**PGT05203**	Petro Physics and Well Logging
PGT05104	Technical Report Writing	**PGT05204**	Petroleum Geochemistry
MTT05101	Calculus and Numerical Methods	**PGT05205**	Industrial Practical Training (IPT)
PHT05102	Electricity and Magnetism	**CHT05202**	Organic Chemistry
CTT05103	Computer Networks and Database Systems	**CST05202**	Communication and Business Correspondences
CHT05105	Inorganic Chemistry	**EDT05203**	Venture creation and Business Plan
CHT05106	Physical Chemistry		

NTA Level 6: Diploma in Petroleum Geosciences and Exploration

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
PGT06101	Sequence Stratigraphy	**PGT06201**	Introduction to Drilling Engineering
PGT06102	Seismic Interpretation	**PGT06202**	Coring and Core Analysis
PGT06103	Principles of Basin Analysis	**PGT06203**	Geo-Information Management System
PGT06104	Introduction to Reservoir and Production Engineering	**PGT06204**	Basics of Management and Legal Framework
PGT06105	Final year Project Proposal		
MTT06101	Linear Programming and Critical Path Methods	**PGT06205**	Final Year Project Work
EDT06102	Entrepreneurship and Venture Creation	**MTT06201**	Probability and Statistics
		EDT06202	Entrepreneurial Creativity and Innovation

NTA Level 4: Basic Technician Certificate in Land and Mine Surveying

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
LMT04101	Introduction to Land and Mine Surveying Career	**LMT04201**	Employment Skills Development
LMT04102	Health and Safety Practices	**LMT04202**	Elements of Geology and Mining Operations
MTT04103	Algebra and Geometry	**LMT04203**	Computer Aided Drawing in Surveying
LMT04104	Principles of Land and Mine Surveying	**MTT04204**	Trigonometry
CTT04105	Basics of Computer Applications	**LMT04205**	Surveying Operations
CST04106	Communication Skills	**LMT04206**	Survey Calculations and Plans
		LMT04207	Industrial Practical Training (IPT)

NTA Level 5: Technician Certificate in Land and Mine Surveying

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
LMT05101	Field Work Supervision	**EDT05201**	Business Practices
LMT05102	Technical Report Writing	**PHT05202**	Basics of Physics in Surveying
MTT05103	Probability and Statistics	**LMT05203**	Mining Geology
LMT05104	Land Use and Development Planning	**CTT05204**	Database Systems
LMT05105	Land Laws and Regulation in Surveying	**LMT05205**	Engineering Surveying Calculations
LMT05106	Cadastral Surveying	**LMT05206**	Mine Surveying
LMT05107	Engineering Surveying	**LMT05207**	Industrial Practical Training (IPT)

NTA Level 6: Diploma in Land and Mine Surveying

Semester I		Semester II	
Code	**Module Title**	**Code**	**Module Title**
LMT06101	Geographic Information Management	**MTT06201**	Basics of Calculus
EDT06102	Entrepreneurship Creativity and Innovation I	**LMT06202**	Geospatial Data Analysis
MTT06103	Linear Programming Methods	**EDT06203**	Entrepreneurship Creativity and Innovation II
LMT06104	Control Surveying	**LMT06204**	Surveying Project Management II
LMT06105	Surveying Project Management I	**LMT06205**	Land and Mine Surveying Project II
LMT06106	Land and Mine Surveying Project I		

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W. H. Kibwana, BSc (ARU)

Gender Focal Person (GFP)
H. J. Chikwana, Ord. Dipl. (MRI)

MRI NZEGA CAMPUS - TABORA

INTRODUCTION

Mineral Resources Institute - Nzega campus is located 23km north of Nzega town. Previously, the campus was formerly owned by Resolute Tanzania Limited (RTL), a Golden Pride Project (GBP), which closed mining operations in 2014. After closure of mining activities, the assets and all facilities of RTL were handled to the Ministry of Energy and Minerals and later on to Mineral Resources Institute to be utilized effectively in training mining and related environmental professionals. Mineral Resources Institute - Nzega campus is mandated for conducting training in the mineral sector and mining related environment. Currently Nzega campus offers National Technical Awards (NTA) Level 4, Level 5 and Level 6 in Land and Mine Surveying.

Objectives of the Nzega Campus

- To train middle cadre professionals in the fields of Land and Mine Surveying by using existing infrastructures inherited from Resolute Tanzania Limited.
- To provide practical training in the said fields using the existing facilities such as the closed mine pits, tailing storage facilities (TSF), geological laboratory, existing environmental nurseries and small and medium scale mining operations around the campus.
- To be used as a training center for short and tailor-made courses.
- To provide extension services and practical training center on gold recovery and environmental conservation to small scale miners

MRI – NZEGA STAFF LIST

Coordinator of Nzega Campus

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Coordinator – Research and Consultancy

P. J. King'ola, Dip.Ed (Monduli), BSc (Iringa)

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DAR ES SALAAM UNIVERSITY COLLEGE OF EDUCATION (DUCE)

INTRODUCTION

Dar es Salaam University College of Education (DUCE) became a constituent College of the University of Dar es Salaam on 1st September 2005. DUCE currently offers seven undergraduate degree programmes which are:

Bachelor of Education in Arts (BEd Arts)
Bachelor of Education in Science (BEdSc)
Bachelor of Arts with Education (BAEd)
Bachelor of Science with Education (BSc (Ed)
Bachelor of Arts in Disaster Risk Management (BA DRM)
Bachelor of Arts in Economics (BA Economics)
Bachelor of Arts in Political Science and Public Administration

For the BAEd and BSc (Ed) Programmes, students will take a combination of any two teaching subjects and Education. Bachelor of Education students take one teaching subject and education. also take College-wide courses in Communication Skills and Development Studies. They also complete Teaching Practice in their first and second years of study.

In addition, the College offers the following non-degree programmes

Basic Technician Certificate in Educational Laboratory Science and Technology (NTA Level 4)
Technician Certificate in Educational Laboratory Science and Technology (NTA Level 5)
Ordinary Diploma Educational Laboratory Science and Technology (NTA Level 6)

Entry Qualification for non- degree programmes

Basic Technician Certificate in Educational Laboratory Science and Technology (NTA Level 4)
The minimum entry requirements are:

Possession of National Vocation Training Award (NVA III) with at least two passes of grade D in either Chemistry, Biology, Physics or Mathematics at O level,

OR

Holder of Form IV Certificate with at least four passes of grade D in Science subjects, including passes in Chemistry, Biology, Physics or Mathematics or its equivalent. Duration is 1 year

Technician Certificate in Educational Laboratory Science and Technology (NTA Level 5)
The minimum entry requirements are:
Possession of NTA Level 4 in Laboratory Science and Technology,

OR

Possession of Advanced Certificate of Secondary Education Examination (ACSEE) with at least one Principal Pass and a Subsidiary in Science subjects (Chemistry, Biology, Physics, Agriculture, Mathematics, Nutrition). In addition, the candidate will attend a bridge course on some basics of laboratory science and technology. Duration is 1 year.

Ordinary Diploma in Educational Laboratory Science and Technology (NTA Level 6)
The minimum entry requirements is Possession of NTA level 5 in Laboratory Science and Technology or related fields." Duration is 1 year.

UNDERGRADUATE PROGRAMMES OFFERED

The minimum number of students required for any particular undergraduate degree programme to run shall be ten. Departments wishing to run programmes with less than ten students shall first obtain special permission from the Deputy Vice Chancellor (Academic). The set minimum number of students is subject to annual reviews by the Senate.

Subject to paragraph one (1) above the undergraduate degree programmes offered by the Dar es Salaam University College of Education in various academic units are:

Faculty of Education (FoE)
Bachelor of Education in Arts (BEdArts)
Bachelor of Education in Science (BEd Sc)

Faculty of Humanities and Social Sciences (FoHSS)
Bachelor of Arts with Education (BAEd)
Bachelor of Arts in Disaster Risk Management (BA DRM)
Bachelor of Arts in Economics (BA Economics)
Bachelor of Arts in Political Science and Public Administration

Faculty of Science (FoS)
Bachelor of Science with Education (BSc (Ed))

In addition, the faculty offers the following non-degree programmes
Basic Technician Certificate in Educational Laboratory Science and Technology (NTA Level 4)
Technician Certificate in Educational Laboratory Science and Technology (NTA Level 5)
Ordinary Diploma Educational Laboratory Science and Technology (NTA Level 6)

For more information on the undergraduate and non-degree programmes offered, admission criteria and other services by DUCE kindly visit: https://udsm.ac.tz/web/index.php/colleges/duce

BURSARIES AND FEES

At the beginning of the academic year, all students will be required to produce evidence of sponsorship by the Government or any other organizations, otherwise they will be expected to pay full tuition and College fees (or the portion not covered by the sponsor) by the beginning of the term/semester before they can be permitted to use the University facilities.

Payment of Tuition Fees and Direct University Cost should be made through the control number generated from your ARIS3 account.

Fees Payable by Students:

Degree Programme	**Faculty**	**Tuition Fee**	
		Tanzanians (TZS)	**Non-Tanzanians (TZS)**
Bachelor of Arts with Education (BAED)-UDD04	Faculty of Humanities & Social Sciences	1,000,000	5,565,000
Bachelor of Disaster Risk		1,300,000	7,155,000

Management (BADRM)- UDD05			
Bachelor of Arts in Economics (BAE) UDD06		1,300,000	7,155,000
Bachelor of Arts in Political Science and Public Administration (BA PSPA) UDD07		1,300,000	7,155,000
Bachelor of Science with Education (BSc. Ed) - UDD03	Faculty of Science	1,300,000	7,155,000

In addition to the tuition fee each student (regardless of sponsorship or the Means Testing Grade) MUST pay the following approved Direct University Costs

Cost Item	**Tanzanians (TZS)**	**Duration**	**Non-Tanzanians (TZS)**	**Duration**
Application fee	-	-	-	-
Graduation Charges	80,000	once	106,000	Once
Registration fee	10,000	per registration	13,250	per registration
Examination Fee	30,000	per year	39,750	per year
Identity Card	15,000	per registration	21,200	per registration
Student's Union Fee	5,000	per year	39,750	per year
TCU Quality Assurance Costs	20,000	per year	20,000	per year
ICT Services and Infrastructure	20,000	per year	26,500	per year
Library services	15,000	per year	21,200	per year
Sports services	10,000	per year	13,250	per year
Medical capitation fee	50,400	per year	50,400	per year
Total	**255,400**		**351,300**	

NB: Students need to have separate funds to cater for stationery, books, meals and accommodation.

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F. Mkonyi, BSc, MSc (Dar), PhD (Arusha)
N. G. Mogha, BSc (Dar), MSc (Addis Ababa), PhD (Bonn)
D. Joseph, BSc, MSc, PhD (Dar)

Lecturers
F. Mwingira, BSc, MSc (Dar), PhD (Basel)
M. Mgendi, BSc, MSc, PhD (Dar)
L. Mulamula, BSc, MSc, PhD (Dar)
R. Alex, BSc, MSc (Dar). PhD (Arusha)
O. John, BSc, MSc, PhD (Dar)
M. January, BSc (Dodoma), MSc, PhD (Fukuoka)
H. A. Mvungi, BSc, MSc, PhD (Dar)
U. Mustafa, BSc, MSc (Dar), PhD (Arusha)

Assistant Lecturers
H. Kangusi, BSc (Dar), MSc (Dar)
E. Erasto, BSc (Dar), MSc (Henan)
*I. Makombe, BSc, MSc (Dar)
C. L. Hambo, BSc (Morogoro), MSc (China)
M. Hassan, BSc (Dar), MSc (Abadin)
Z. Ismail, BSc, MSc (Dar)
A. Kamungu, BSc MSc (Morogoro)
N. S. Kimera, BSc (Dar), MSc (Manschester)
J. B. Mhanga, BSc (Dar), MSc, (Hungary)
A. Songwe BSc, MSc (SUA)

Tutorial Assistants
H. D. Nsollo, BSc, (Dar)
A. Enzimbali BSc (Dar)
F. Protas BSc (Dar)
G. I. Maulidi (Dar)

Senior Laboratory Scientist II
G. E. Mushi, Dip, BSc (Dar)
J. C. Mgaka, FTC, BSc (Dar)
E. J. Kilumile, BSc (Morogoro)

Laboratory Scientist II
A. Idrissa, Dip, BSc (Dar)
E, A, Meshack, Dip (Arusha), BSc (Dar)

Laboratory Technicians II
E. F. Mkama, Dip (Arusha)
S. Kihaka, Dip (Morogoro)
K. Hassan, BSc (Dar)
H. Maduhu, Dip (Morogoro)

Laboratory Technicians I
H. M. Shomari Dip. (SUA)
M. I. Mpenda, Dip., BSc, (SUA)

Department of Chemistry
Senior Lecturer and Head
J. Mgaya, BSc, MSc, PhD (Dar)

Senior Lecturers
J. Mbuna, BSc, MSc (Dar), PhD (Okayama)
D. J. Shilla, BSc (Dar), MSc (Auckland**),** PhD (Okinawa)
S. A. Mlowe, BSc, MSc (Dar), PhD (Zululand)
J. Mgaya, BSc, MSc, PhD (Dar)
F. Hamad, BSc, MSc (Dar), PhD (Gent)
A. Kitalika, BSc, MSc (Dar), PhD (Arusha)
M. Petro, BSc, MSc (Dar), PhD (Wuhan)
P. Lucas BSc, (Dar), MSc, PhD (Arusha)

Lecturers
J. T. Zacharia, BSc, MSc (Dar) PhD (Kobe)
E. Mbukwa, BSc (Dar), M.Phil. (Gaborone), PhD (Johannesburg)
S. Mushi, BSc, MSc (Dar), PhD (Qingdao)
S. Mtavangu, BSc, (Dar), MSc (Arusha), PhD (Ku Leuven - Belgium)

Assistant Lecturers
F. Olambo, Dip (Mwanza), BSc (Kilimanjaro), MSc (Dar)
E. Nkotya, BSc (Dar), MSc (Hungary)
K. Kaishe, BSc, MSc (Dodoma)
E. Nyoni, BSc, MSc (Dar)
C. Msomba, BSc, MSc (Dar)
H. Kawia, BEd Sc, MSc (Dar)
K. Martine, BSc, MSc (Dar)

B. Nyaki, BSc (Kilimanjaro), MSc (Dar)
M. Mtanga, BSc, MSc (Dar)
M. Sanama, BSc (Morogoro), MSc (Dodoma)

Tutorial Assistants
N. Nyakaji, BSc (Dar)

Laboratory Scientist
M. A. Shitindi, BSc (Mbeya)
K. K. Amwesiga, Dip (Mbeya), BSc (Morogoro)
A. M. Mbumila BSc (Dar)

Principal Laboratory Technician II
S. A. Ndembo, Dip (Dar)

Senior Laboratory Technician II
E. L. Makoye, Dip (Mbeya)
E. I. Mwaisemba, Dip (Mbeya)

Laboratory Technician II
E. Pallangyo, Dip (Mbeya)

Laboratory Technician I
E. Msagala, Dip (Morogoro)

Laboratory Assistant I
T. K. Malita, Cert (Dar)

Department of Physics, Mathematics and Informatics
Lecturer and Head
Z. S. Mussa, Dip, BSc, MSc (Dar), PhD (Lappeenranta)

Senior Lecturers
T. Sagamiko, BSc, MSc, PhD (Dar)
G. G. Mwanga, BSc (Dar), MSc (Johannesburg), PhD (Lappeenranta)
F. Chuma, Dip (Morogoro), BEd, MSc (Dar), PhD (Arusha)
E. Ngailo, BSc, MSc (Dar), PhD (LINKÖPING)

Lecturers
J. Mpele, BSc (Dar) MSc (Nairobi), PhD (Arusha)
Y. Msambwa, BSc, MSc (Dar), PhD (Nottingham)
Z. S. Mussa, Dip, BSc, MSc (Dar), PhD (Lappeenranta)
M. Ryoba, BSc, MSc (Dar), PhD (Shanghai)
D. Mukama, Dip (Morogoro), BEd, MSc (Dar), PhD (Changchun)
H. A. Kayange, BSc, MSc (Dar), PhD (Shanghai)
E. Yohana, BEd (Dar), MSc (Johannesburg), PhD (Durban)
A. Lighuda, Dip (Mwanza), BEd (Kilimanjaro), MSc (Dar), PhD (Dar)
F. Lolila, BSc, MSc, PhD (Dar)
F. Kapile, BSc, MSc (Dar), PhD (Arusha)
J. Chiuyo, BSc, MSc (Dar), PhD (Dar)
S. Semba, BSc, MSc (Dar), PhD (China)

Y. Mnyawami, BSc (Iringa), MSc (Dodoma), PhD (Dar)
L. Pascoe, BSc (Dar), MSc (Arusha), PhD (Arusha)
S. Amos, BSc, MSc (Dar), PhD (South Africa)
C. Samson, BSc (Morogoro), MSc (Kaiserslautern), PhD (Arusha)

Assistant Lecturers
*E. Maloda, BSc, MSc (Dar)
A. Reuben, BSc (Morogoro), MSc (Arusha)
H. H. Mwanyika, BSc, MSc (Dar)
M. Lusato, BSc, MSc (Dar)
**D. E. Safari, BSc, MSc (Dar)
L. John, BSc (Dar), MSc (Arusha)
A. Okey, BSc (Dar), MSc (Arusha)
*C. C. Ngirwa, BSc (Dar) MSc (Arusha)
**R. O. Ndabhiama, BSc, MSc (Dar)
B. Mvungi, BSc (Dar), MSc (Kyoto)
*M. E. Phillipo, BSc (Dar), MEng (Tianjin)
*Z. E. Moshi, BSc (Loyola), MSc (Arusha)
*C. K. Kajuna, BSc (Kampala), MSc (Nairobi)
J. Sija, BSc, MSc (Dar)
*F. Mbuya, BSc (Dar) MSC (Edinburgh)
*P. M. Kalabaheleye, BSc, MSC (Dar)
*J. Foya, BSc, MSc (Dar)
T. M. Makundi, BSc (Dar), MSc (Bungoma - Kenya)
A. J. Mbise, BSc (Dodoma)
E. Panja, BSc (Dar)

Tutorial Assistants
**L. Wambura, BSc (Dar)
*H. F. Mwacha, BSc (Kilimanjaro)
K. M. Kitalima BSc (Dodoma)
J. Massawe, Dip (Dar), BSc (Dar)
A. F. Adam, BSc (Mbeya)
*S. P. Mmari, BSc (Dar)
*P. B. Mollel, BSc (Dar)
G. S. Manung'da, BSc (Dar)
A. A. Mwakansope, BSc (Dodoma)

Laboratory Scientist II
S. Ibrahim, Dip, BSc (Mbeya)
A. P. Msyani, Dip (Arusha), BSc (Dar)

Principal Laboratory Technicians II
S. Isafu, Dip, BECE (Dar)
A. Makawa, Dip, BSc (Dar)

Senior Laboratory Technicians II
A. O. Mwinuka, Dip (Dar)

Laboratory Technicians II
J. A. Juma, Dip (Arusha)
E. N. Msuta, Dip (Mbeya)

Laboratory Technologist II
H. J. Uronu, BSc (Dodoma)
H. J. Mtengela, BSc (Dar)

College Library
Senior Lecturer and Director
D. J. Shilla, BSc (Dar), MSc (Auckland), PhD (Okinawa)

Librarian/Lecturer
P. Kayungi, Dip (Morogoro), BEd, MA, PhD (Dar)
L. A. Leonidas, B. Info. Syst & Net. Eng. (Dodoma), MSc (Tamil Nadu), PhD (Wuhan)
D. H. Danda, BSc, MA, PhD (Dar)

Assistant Librarians
E. E. Mallya, BLIS (Kampala), MA (Dar)
E. K. Ngassa, BLIS (Kampala), MA (Dar)
A. J. Makawa, B. Computer. Sc. (Dar), MBA (Arusha)
E. F. Mwakasege, B. ICT with Business (Morogoro), MSc (Korea)
N. I. Rwegalula, BLIS, MA (Dar)
M. A Kamlema, BALIS, MA (Dar)
D. O. Mwaibata, BE ISNE (Dar), MTECH CS (Kerala)
S. A. Chaninga, Dip (Bagamoyo), BA (Morogoro)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment

MKWAWA UNIVERSITY COLLEGE OF EDUCATION (MUCE)

INTRODUCTION

Mkwawa University College of Education (MUCE) is located in the Southern Highlands of Tanzania in Iringa Municipality, about 3 kilometres from Iringa town Centre. MUCE was established as a constituent college of the University of Dar es Salaam on the 1st of September 2005 by upgrading the former Mkwawa High School, in response to the growing demand for teachers. It was upgraded to a constituent college of the University of Dares Salaam by order under Section 55 (1) of the University of Dar es Salaam Act No. 12 of 1970 and published in the Government Notice No.2003 on the 22nd of July 2005.

MUCE consists of three Faculties, i.e. Faculty of Education (FoED), Faculty of Humanities and Social Sciences (FoHSS) and Faculty of Science (FoSC). Candidates admitted to the College pursue undergraduate and postgraduate degree programmes in Science and Arts.

UNDERGRADUATE PROGRAMMES OFFERED

The minimum number of students required for any particular undergraduate degree programme to run shall be ten. The departments wishing to run programmes with less than ten students shall first obtain special permission from the Deputy Vice-Chancellor (Academic). The set minimum number of students is subject to annual reviews by the Senate.

Subject to paragraph one (1) above the undergraduate degree programmes offered by the University of Dar es Salaam through MUCE are:

Faculty of Education (FoEd)

Bachelor of Education in Science (BEd.Sc.)
Bachelor of Education in Arts (BEd.Arts)

Faculty of Humanities and Social Sciences (FoHSS)

Bachelor of Arts with Education (BAED))
Bachelor of Arts in Translation and Interpretation (BATI)
Bachelor of Arts in Literary Studies and Creative Writing (BALC)
Bachelor of Arts in Historic Archives and Heritage Studies (BAHAHS)
Bachelor of Science in Climate Change and Natural Resource Management (BScCCNRM)

Faculty of Science (FoSC)

Bachelor of Science with Education (BScED)
Bachelor of Science in Chemistry (BScChem)
Bachelor of Science in Environmental Health and Sustainability (BScEHS)
Bachelor of Science in Food Biotechnology (BScFB)
Bachelor of Science in Chemical Sciences (BScCS)
Bachelor of Science in Data Science and Artificial Intelligence (BScDSAI)

For more information on the postgraduate programmes offered, admission criteria and other services by MUCE kindly visit: https://www.muce.ac.tz/ and
https://www.udsm.ac.tz/web/index.php/colleges/muce

ADMISSION REGULATIONS

All enquiries about admission should be addressed to:

Directorate of Undergraduate Studies,
Mkwawa University College of Education,
P. O. Box 2513, Iringa, Tanzania
E-mail: dus@muce.ac.tz & Tel. +255 26-2703195

Bursaries and Fees

At the beginning of the academic year, each student must provide evidence of sponsorship by the Government or other organizations. Students under the Government Loans Board are expected to pay their portion of the fees not covered by the Loans Board (based on means test grade) at the beginning of the semester before they can be permitted to use the University facilities. Payment should be made through the Government Electronic Payment Gateway (GePG) using a control number generated from the Academic Registration Information System (ARIS).

Fees Structure for Undergraduate Students for the 2026/2027 Academic Year

Faculty	Tuition Fees for Tanzanians (TZS)	Tuition Fees for-Non-Tanzanians (TZS)	Degree Programme
Humanities and Social Sciences	1,000,000	5,565,000	Bachelor of Arts with Education
	1,000,000	5,565,000	Bachelor of Arts in Translation and Interpretation
	1,000,000	5,565,000	Bachelor of Arts in Literary Studies and Creative Writing
	1,300,000	7,155,000	Bachelor of Arts in Historic Archives and Heritage Studies
	1,300,000	7,155,000	Bachelor of Science in Climate Change and Natural Resource Management
Science	1,300,000	7,155,000	Bachelor of Science with Education
	1,300,000	7,155,000	Bachelor of Science in Chemistry
	1,500,000	9,275,000	Bachelor of Science in Data Science and Artificial Intelligence
	1,300,000	7,155,000	Bachelor of Science in Environmental Health and Sustainability
	1,300,000	7,155,000	Bachelor of Science in Food Biotechnology
	1,300,000	7,155,000	Bachelor of Science in Chemical Sciences

In addition to the tuition fees, each student (regardless of sponsorship or the government Loan Means Testing Grade) must pay the following approved Direct University Costs:

Cost Item	Tanzanians (TZS)	Non–Tanzanians (TZS)
Graduation Charges	80,000	106,000.00
Student Union Fee	10,000.00	79,500.00
Student IDs	15,000.00	21,200.00
Registration Charges (Per registration)	10,000.00	13,250.00
Examination Fee	30,000.00	39,750.00
Medical Capitation Fee	50,400.00	50,400.00
ICT Services/ ICT Development Charges	20,000.00	26,500.00
Library Services	15,000.00	21,200.00
Sports Services	10,000.00	13,250.00
TCU/QAF	20,000.00	52,000.00
Total	**260,400.00**	**391,050.00**

Direct Student Costs per Year (Payable Directly to Students)

Cost Item	Cost (TZS)
Books and Stationery Allowance*	200,000.00
Meals and Accommodation Allowance*	2,040,000.00
Total	**2,240,000.00**

Note: *Advisory only, more may be required

In addition, students are required to have sufficient funds to cater for special faculty requirements. Such requirements may be in the form of boots, overalls, compass set, drawing board, tracksuits, gloves, lab coats, gloves, dissecting kit, protective eye glasses, mouth masks, etc or funds for teaching practice depending on the programme. Students also need to have separate funds to cater for stationery items, books, meals and accommodation.

STUDENTS' GENERAL INFORMATION

Administration

MUCE Students' Administration is headed by the Directorate of Students' Services, which deals primarily with personal and social welfare aspects of students' life. This directorate oversees the provision of such services as accommodation, games and sports, spiritual and students counselling in various issues as well as career guidance and counselling. The Directorate of Students' Services also assists the Deputy Principal (Planning, Finance and Administration) in students' disciplinary matters.

Accommodation

A limited number of rooms in the halls of residence are available on application before the beginning of the academic year. As such accommodation in the halls is not guaranteed for every student. Students are thus urged to find their own accommodation outside the campus.

Payment for accommodation is made through the Government Electronic Payment Gateway (GePG) using Control Numbers. Students are not given rooms in the halls of residence until they pay the prescribed rent. Priority for on – campus accommodation is given to students with disabilities, foreign students and female first year students. Currently, the price per student per day is Tshs. 800.00x120 days per semester. In addition, students are required to set apart accommodation with caution money of TZS. 10,000.00 payable once during the first year.

Students' Activities

Most of the students' activities are organized by the students' union **(DARUSO-MUCE**). The students'organization is concerned with the students' academic, political, social and recreational activities. Students are encouraged to form academic and/or professional organizations. They are also encouraged to form and join registered social organizations. New social and academic organizations are registered with the Directorate of Students' Services.

Catering

The College offers cafeteria services for all meals to students at subsidized prices. The meals are paid for at the cafeteria counters. The College has two cafeterias on campus and few canteens (food vendors) near Hall VI, which have the capacity to serve the present student population.

Medical Services

MUCE owns and operates a Health Centre, which provides both curative and preventive medical services to students, staff members, staff families and to the general public. The Health Centre is located within the College campus and it operates for 24 hours. The Health Centre provides outpatient services, specialised clinics, reproductive and child health clinics, HIV/AIDS care and treatment clinics and minor theater. There are two inpatient ward wings, for male and female patients, with a 26-bed capacity. The Health Centre offers its services through insurance including National Health Insurance Fund (NHIF) scheme. Students who report at the Health Centre for treatment are required to produce NHIF identity cards, which can be obtained from NHIF at a cost of TZS 50,400.00 per year.

College Library

MUCE Library is an academic unit, which is an integral part of the College in pursuit of its core activities, namely teaching, research and public service. The primary role of the Library is to provide information services to support teaching and learning and research functions of the academic and research community.

Library Opening Hours

During Semester Time	Monday – Saturday	08.00 am	10.00 pm
	Sundays & Public Holidays	02.30 pm	10.00 pm
During Vacation	Monday – Friday	08.00 am	04.00 pm
	Saturdays, Sundays & Public Holidays	*Closed*	

UNDERGRADUATE PROGRAMMES

FACULTY OF SCIENCE

Bachelor of Science in Data Science and Artificial Science (BScDSAI)

1.1 General Minimum Entry Requirements for Admission

A candidate shall be deemed eligible for consideration for admission to a BScDSAI degree programme of the University of Dar es Salaam if the candidate has one of the following hereunder mentioned requirements. The minimum entry requirements for admission into the degree programme shall be in any of the following categories:

a) Certificate of Secondary Education Examination (CSEE) or equivalent, with passes in FIVE approved subjects THREE of which must be at Credit level obtained prior to sitting for the Advanced Certificate of Secondary Education Examination (ACSEE) or equivalent;

AND

Two principal level passes in appropriate subjects in the ACSEE (Physics, Chemistry, Biology, Mathematics, Computer Science, Geography, and Economics) or equivalent with total points from two subjects not below 4 based on the following grade to point conversion scale: A = 5; B = 4; C = 3; D = 2; E = 1; S = 0.5 and F = 0 point.

OR

b) An equivalent diploma in Computer Science, Information Technology, Statistics, Science, Mathematics and Physics, Statistics, or Mathematics and Chemistry or any related field, with a minimum GPA of at least 3.5 out of 5.0) or a B+ for diplomas that are further classified by grades. Additionally, the candidate must have at least four passes (D's and above) in Biology, Geography, Chemistry, Physics, Computer Science, and Mathematics at O' level (CSEE). The diploma must be from an institution recognized and/or registered by NACTVET and approved by the University of Dar es Salaam (UDSM) Senate.

c) International students with equivalent qualifications recognized by the University of Dar es Salaam Senate and TCU.

1.2 List and Description of Courses

Semester I, Year 1

Course Code	Course Title	Status	Credits
DS 114	Development Perspectives I	Core	8
AI 111	Introduction to Machine Learning	Core	12
MT 112	Mathematical Foundations of AI	Elective	12
AI 112	Artificial Intelligence Ethics	Core	12
CS 111	Introduction to Information Systems	Core	12
CL 107	Communication Skills for Science	Core	12
DT 111	Introduction to Data Science and AI	Core	12

Semester II, Year 1

Course Code	Course Title	Status	Credits
CS 121	Principles of High-Level Programming	Core	12
ST 114	Probability Theory I	Elective	12

Course Code	Course Title	Status	Credits
DS 115	Development Perspectives II	Core	8
AI 121	Practical Data Handling with Excel and SQL	Core	12
MT 123	Matrix Analysis	Core	12
DT 121	Programming for Data Science	Core	12
ST 123	Introduction to Multivariate Statistics	Core	12

Semester I, Year 2

Course Code	Course Title	Status	Credits
AI 211	Introduction to Deep Learning Algorithms	Core	12
IS 264	Database System	Core	12
AI 212	Multimedia Processing	Elective	12
ST 112	Statistical Inference	Core	12
MT 213	Advanced Calculus for AI	Core	12
ST 224	Probability Distributions	Core	12
CS 214	Object-Oriented in Java	Elective	12

Semester II, Year 2

Course Code	Course Title	Status	Credits
AI 214	Entrepreneurship in Data Science and Artificial Intelligence	Core	12
AI 214	Computer Vision	Core	12
PT 201	Practical Training II	Core	12

Semester I, Year 3

Course Code	Course Title	Status	Credits
ST 311	Time Series Analysis and Forecasting	Core	12
DT 312	Professional and Research Practice for Data Science	Core	12
ST 313	Multivariate Statistics	Elective	12
MT 313	Introduction to Optimization Theory	Core	12
ST 325	Mathematical Demography	Core	12
AI 315	Natural Language Processing	Elective	12
DT 303	Final Year Project	Core	12

Semester II, Year 3

Course Code	Course Title	Status	Credits
CS 321	Data Protection and IT Security	Core	12
DT 328	Big data Analytics	Core	12
AI 326	Signal Processing	Core	12

Course Code	Course Title	Status	Credits
ST 321	Regression Analysis	Core	12
ST 322	Stochastic Processes	Elective	12
AI 322	Pattern Recognition	Elective	12
ST 318	Sampling Theory and Methodology	Core	12

Bachelor of Science in Environmental Health and Sustainability

2.1 General Minimum Entry Requirements for Admission

Certificate of Secondary Education Examination (CSEE) or equivalent, with passes in FIVE approved subjects THREE of which must be at Credit level obtained prior to sitting for the Advanced Certificate of Secondary Education Examination (ACSEE) or equivalent;

AND

The minimum direct entry qualifications from high school (Form VI) include three principal passes in Chemistry, Biology and either Physics or Advanced Mathematics or Nutrition or Geography or Agriculture with a minimum of 6 points. An applicant must have at least a "C" grade in Chemistry and at least a "D" grade in Biology and "E" grade in Physics or Advanced Mathematics or Nutrition or Geography or Agriculture.

OR

(i) Equivalent qualifications: The candidate must possess an equivalent diploma in Public Health, Environmental Science, Environmental Engineering, or any related field, with a minimum qualification of an upper second-class award (equivalent to a GPA of at least 3.5 out of 5) or a B+ for diplomas that are classified by grades. Additionally, the candidate must have passes of D or above in Biology, Geography, Chemistry, Physics, Agriculture and Mathematics at O'level (CSEE). The diploma must be from an institution recognised and/or registered by NACTVET and approved by the University of Dar es Salaam (UDSM) Senate or any other international institution approved by the UDSM Senate.

a. Programme Specific Entry Requirements for Admission

For direct entrants, the programme requires an appropriate Advanced Certificate of Secondary Education Examination (ACSEE) with at least three principal passes in Chemistry, Biology and either Physics or Advanced Mathematics or Nutrition or Geography or Agriculture with a minimum of 6 points. An applicant must have at least a "C" grade in Chemistry and at least a "D" grade in Biology and "E" grade in Physics or Advanced Mathematics or Nutrition or Geography or Agriculture. The University of Dar es Salaam's minimum entry qualifications shall apply. Applicants with equivalent qualifications must hold an appropriate Diploma in related fields from recognised institutions within and outside the country with at least a second class with GPA not less than 3.5 or B+ grade or distinction or B average for a Full Technician Certificate (FTC).

2.3 List and Description of Courses

Semester 1, Year 1

Course Code	Course Title	Status	Credits
EH 110	Environmental Microbiology I	Core	8
CH 227	Environmental Chemistry	Core	12
BL 111	Introductory Cell Biology and Genetics	Elective	12
FS 100	Introduction to Food Security and Safety	Core	12

Course Code	Course Title	Status	Credits
DS 114	Development Perspectives I	Core	12
CL 107	Communication Skills for Science Students	Core	12
EH 111	Fundamentals of Genetics and Evolution	Elective	12
Total			**68**
EH 102	Introduction to Environmental Health Sciences	Core	12
CS 131	Basic Computing in Environmental and Climate Change Studies	Core	12
EH 120	Environmental Microbiology II	Core	8
EH 118	Environmental Remediation and Toxicology	Elective	8
EH 112	Inland Water Ecology and Management	Elective	8
EH 150	Practical Training I	Core	12
DS 115	Development Perspectives II	Core	12
Total			**64**
EH 252	Computational Biology and Bioinformatics	Core	8
BL 240	Biological Techniques and Instrumentation	Core	12
EH 236	Epidemiology	Core	12
EH 212	Molecular Ecology and Climate Change	Core	8
EH 215	Health Risk Assessment and Management	Core	8
EH 237	Wetland Ecology and Restoration	Elective	12
EH 200	Environmental Biology I	Core	8
ZL 213	Vertebrate Anatomy and Physiology I	Elective	12
Total			**68**
EH 216	Global Health and Sustainability	Core	12
EH 218	Immunology	Elective	12
BT 135	Fundamentals of Soil Science	Core	8
EH 239	Occupational Health and Hygiene	Core	8
BN 201	Food Microbiology	Core	8
EH 250	Practical Training II	Core	12
EH 213	Water and Wastewater Management	Core	8
ZL 220	Vertebrate Anatomy and Physiology II	Elective	12
FN 250	Financial Literacy		
Total			**68**
BL 390	Research Project	Core	8
GS 304	Applied Geographical Information Systems	Core	12
EH 339	Climate Change Science and Public Health	Core	12
EH 341	Environmental Policy and Regulation	Core	8

Course Code	Course Title	Status	Credits
EH 343	Water Pollution and Control	Core	12
EH 335	Final Year project	Core	8
Total			**60**
GE 352	Natural Resources Management	Core	12
EH 351	Environmental Economics and Sustainability	Core	12
EH 353	Atmospheric Pollution	Core	12
EH 300	Environmental Biology II	Core	12
EH 313	Solid and Hazardous Wastes Management	Elective	8
ZL 321	Invertebrate Resources	Elective	8
EH 356	Environmental Radiation and Monitoring	Core	12
Total			**68**

Bachelor of Science in Food Biotechnology

3.1 General Minimum Entry Requirements for Admission

The admission process will follow the guidelines provided by the Tanzania Commission of Universities (TCU). To be eligible for admission into this programme, a student should meet the general University minimum requirements as follows:

Certificate of Secondary Education Examination (CSEE) or equivalent, with passes in FIVE approved subjects, THREE of which must be at Credit level obtained before sitting for the Advanced Certificate of Secondary Education Examination (ACSEE) or equivalent. Passing Biology and Chemistry at CSEE is compulsory.

AND

Two Principal passes in Biology, Chemistry, Physics, Nutrition, Agriculture and any related field with a total of 5 points at ACSEE (where A = 5; B = 4; C = 3; D = 2; E = 1; S = 0.5 and F = 0 points). The minimum Principal in this case is an 'E' grade or a 'D' grade for graduates of 2014 and 2015.

OR

An appropriate equivalent Diploma of a GPA not less than 3.5 for Ordinary Diplomas or B^+ average for Health-related diplomas or Distinction for unclassified awards or B grade for Full Technician Certificates or Upper Second Class for non-NTA diplomas obtained from a college which is fully registered by the National Council for Technical and Vocational Education and Training (NACTVET) and approved by the UDSM Senate.

3.2 Programme Specific Entry Requirements for Admission

For direct entrants, the programme requires an appropriate Advanced Certificate of Secondary Education Examination (ACSEE) with two principal passes in science subjects, including Physics, Chemistry, Biology, Nutrition, Agriculture and related fields. The University of Dar es Salaam's minimum entry qualifications shall apply.

Applicants with equivalent qualifications must hold an appropriate Diploma in related fields from institutions recognised by NACTVET and UDSM, with a minimum second-class GPA of 3.5.

3.3 List and Description of Courses

Semester 1, Year 1

Course Code	Course Title	Status	Credits
FB 100	Introductory Food Biotechnology	Core	8
FB 101	Fundamentals of Food Microbiology	Core	8
BL 111	Introductory Cell Biology and Genetics	Elective	12
FB 102	Diet and Disease	Core	8
FB 103	Biophysics	Core	8
GN 100	Gender and Nutrition	Core	8
DS 114	Development Perspectives I*	Core	12
CL 107	Communication Skills for Science Students*	Core	12
Total			**64**

Semester 1, Year 2

Course Code	Course Title	Status	Credits
FB 201	Cultivated Meat, Fish and Seafood Production	Elective	8
FB 202	Enzymes in Food Biotechnology	Core	8
FB 203	Molecular Biology and Genetic Engineering	Core	12
FB 204	Food Fermentation Technology	Core	12
FB 205	Food Analysis	Core	12
FB 206	Biotechnology for Food Waste Management	Core	8
FB 207	Bioinformatics in Food Biotechnology	Core	12
Total			**72**

Semester 2, Year 2

Course Code	Course Title	Status	Credits
BL 234	Biostatistics	Core	12
FB 230	Practical Training II	Core	8
SC 215	Scientific Methods	Elective	8
FB 208	Instrumental Methods in Biotechnology	Core	12
FB 209	Food Additives and Toxicology	Core	8
FB 210	Applied Food Microbiology in Biotechnology	Core	12
FB 229	Food Biotechnology Laboratory Techniques II	Core	8
FN 250	Financial Literacy**		
Total			**68**

Semester 1, Year 3

Course Code	Course Title	Status	Credits
BL 300	Environmental Impact Assessment	Elective	12
FB 300	Food Preservation	Core	12
FB 301	Food Packaging and Labelling	Core	12
FB 302	Food Handling and Storage	Core	12
FB 303	Functional Foods and Nutraceuticals	Core	12
FB 304	Diary Product Fermentation	Core	12
FB 305	Bioreactor Design and Process Scale-up	Core	12
FB 306	Sensory Analysis and Consumer Studies	Elective	8
Total			**72**

Bachelor of Science in Chemical Sciences

4.1 General Minimum Entry Requirements for Admission

The admission process will be accordance to the guidelines provided by the Tanzania Commission of Universities (TCU).

4.2 Programme Specific Entry Requirements for Admission

A candidate shall be deemed eligible for consideration for admission to a Bachelor of Science in Chemical Sciences Programme if he/she has the following qualifications:

a. ***Direct entry***

Certificate of Secondary Education Examination (CSEE) with passes in FIVE approved subjects and THREE subjects of which must be at Credit level obtained prior to sitting for the Advanced Certificate of Secondary Education Examination (ACSEE). Pass in Chemistry at CSEE is compulsory and at least D grade at ACSEE in Chemistry.

b. ***Equivalent (Indirect) entry***

Certificate of Secondary Education Examination (CSEE) with passes in FIVE approved subjects, pass in Chemistry at CSEE is compulsory. An appropriate equivalent Diploma of at least a minimum GPA of 3.5 or B+ in Diploma or related fields as approved by the UDSM Senate.

4.3 List and Description of Courses

Semester 1, Year 1

Course Code	Course Title	Status	Credits
DS 114	Development Perspectives I	Core	12
CHE 170	General Analytical Chemistry	Core	12
CH 121	Chemistry Practicals I	Core	8
CH 117	Organic Chemistry I	Core	12
CH 191	Theoretical Methods for Chemists	Core	12
CHE 160	Applied Principles of Management and Administration in Chemistry	Core	12

Semester 2, Year 1

Course Code	Course Title	Status	Credits
CH 172	Chemical Separation	Core	12
CH 122	Chemistry Practical II	Core	08
CL 107	Communication Skills for Science Students	Core	12
CH 175	Basic Inorganic Chemistry	Core	12
DS 115	Development Perspectives II	Core	12
CHE 153	Applied Physical Chemistry	Core	12

Semester 1, Year 2

Course Code	Course Title	Status	Credits
CH 201	Chemical Thermodynamics	Core	12
CHE 270	Green Chemistry	Core	12
CHE 260	Industrial Waste Management and Control	Core	8
CHE 271	Instrumentation and Analysis in Chemistry	Core	8
CHE 261	Food Biochemistry	Core	8
CHE 262	General Industrial Chemistry	Core	12
CHE 299	Practical Training I	Core	8
FN 250	Financial Literacy	Core	0

Semester 2, Year 2

Course Code	Course Title	Status	Credits
CHE 263	Stereochemistry and Reactions Mechanisms	Core	12
CH 295	Applications of Computer Software in Chemistry	Core	12
CHE 273	Fundamentals of Materials Chemistry	Core	8
CHE 252	Chemical Sciences Practicals	Core	8
CHE 253	Research Methods in Chemistry	Core	8
CHE 272	Composites and Functional Materials	Core	8
CH 227	Environmental Chemistry	Elective	8
CH 298	Entrepreneurships and Innovation in Chemistry	Elective	8

Semester 1, Year 3

Course Code	Course Title	Status	Credits
CH 371	Quality Control and Assurance	Core	8
CHE 399	Practical Training II	Core	8
CHE 361	Polymer Chemistry and Technology	Core	12
CHE 353	Material for Energy Storage technologies	Core	12

Course Code	Course Title	Status	Credits
CHE 370	Computational chemistry	Core	8
CHE 362	Agrochemistry Technologies	Core	8
CH 305	Chemistry of Natural Products	Elective	8
CH 391	Advanced Electrochemistry	Elective	12
CH 315	Surface and Colloid Chemistry	Elective	8

Semester 2, Year 3

Course Code	Course Title	Status	Credits
CHE 364	Mineral Processing Chemistry	Core	12
CH 323	Organic Spectroscopy	Core	8
CHE 360	Petrochemistry Technologies	Core	12
CHE 369	Project Work	Core	12
CHE 354	Chemistry of Renewable Energy	Core	12
CH 379	Organometallic chemistry	Elective	8
CH 318	Medicinal Chemistry	Elective	8

Bachelor of Science in Chemistry

5.1 General Minimum Entry Requirements for Admission

The admission process will be accordance to the guidelines provided by the Tanzania Commission of Universities (TCU).

For the applicant to be eligible for admission into this Programme, he/she should satisfy the general University of Dar es Salaam minimum requirements which include Certificate of Secondary Education Examination (CSEE) or equivalent, with passes in FIVE approved subjects THREE of which must be at Credit level obtained prior to sitting for the Advanced Certificate of Secondary Education Examination (ACSEE) or equivalent;

AND

Two Principal Passes in appropriate subjects in the ACSEE or equivalent with total points from three subjects not below 4 based on the following grade to point conversion scale: A = 5; B = 4; C = 3; D = 2; E = 1; S = 0.5 and F = 0 point. The minimum Principal in this case is an 'E' grade.

5.2 Programme Specific Entry Requirement

The applicant for the Bachelor of Science in Chemistry degree programme should have a C grade or above in Chemistry at CSEE.

AND

At least principal pass at ACSEE in Chemistry.

OR

At least second-class Diploma of a GPA of not less than 3.5 or B+ average in Chemistry or related

fields such as Pharmaceutical Science, Laboratory Technology, Analytical Chemistry as approved by the UDSM Senate.

5.3 List and Description of Courses

Semester 1, Year 1

Course Code	Course Title	Status	Credits
CH 118	Basic Analytical and Physical Chemistry	Core	12
CH 121	Chemistry Practicals I	Core	8
CH 172	Chemical Separation	Core	12
DS 114	Development Perspectives I	Core	12
CH 191	Theoretical Methods for Chemists	Core	12
GY 100	Introduction to Geology and Geological Processes	Elective	12
MC 100	Fundamentals of Microbiology	Elective	12

Semester 2, Year 1

Course Code	Course Title	Status	Credits
CH 117	Organic Chemistry I	Core	12
CH 122	Chemistry Practicals II	Core	8
CH 175	Basic Inorganic Chemistry	Core	12
CH 173	Introduction to Electronic Structure and Spectroscopy	Core	12
DS 115	Development Perspectives II	Core	12
CH 174	Scientific Methods in Chemistry	Core	8

Semester 1, Year 2

Course Code	Course Title	Status	Credits
CH 201	Chemical Thermodynamics	Core	12
CH 243	Organic Chemistry II	Core	12
CH 245	Chemistry Practicals V	Core	8
CH 248	Instrumental Methods in Analytical Chemistry	Core	12
CH 299	Practical Training I	Core	8
CH 296	Soil Chemistry	Core	8
CH 297	Fundamentals of Nanomaterials	Elective	8

Semester 2, Year 2

Course Code	Course Title	Status	Credits
CH 241	Chemistry Practicals III	Core	8
CH 227	Environmental Chemistry	Core	12
CH 290	Chemical Kinetics and Electrochemistry	Core	12
CH 294	Analytical chemistry	Core	12

Course Code	Course Title	Status	Credits
CH 295	Applications of Computer Software in Chemistry	Core	12
CH 293	Food Chemistry	Elective	8
CH 298	Entrepreneurship and Innovation in Chemistry	Elective	8

Semester 1, Year 3

Course Code	Course Title	Status	Credits
CH 341	Chemistry Practicals VI	Core	8
CH 377	Industrial Chemistry	Core	12
CH 371	Quality Control and Assurance	Core	12
CH 323	Organic Spectroscopy	Core	12
CH 399	Practical Training II	Core	8
CH 363	Chemical Waste Management	Elective	8
CH 379	Organometallic chemistry	Elective	12
CH 353	Biochemistry	Elective	8
CH 308	Polymer Chemistry	Elective	8

Semester 2, Year 3

Course Code	Course Title	Status	Credits
CH 314	Project Work	Core	12
CH 351	Forensic Chemistry	Core	8
CH 364	Coordination Chemistry	Core	12
CH 303	Organic Synthesis	Core	12
CH 394	Fundamentals of Theoretical Chemistry	Elective	12
CH 305	Chemistry of Natural Products	Elective	8
CH 318	Medicinal Chemistry	Elective	8
CH 396	Chemistry of Sustainable Energy	Elective	8
CH 315	Surface and colloidal chemistry	Elective	8

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Bachelor of Arts in Translation and Interpretation

6.1 General Minimum Entry Requirements for Admission

General entry requirements for admission into this programme shall be two principal level passes with a total of 4 points in two relevant subjects at the Advanced Certificate of Secondary Education Examination (A-Level) or its equivalent in the discipline applied or applicable to the programme used (where A = 5; B = 4; C= 3; D = 2; E = 1; S = 0.5).

6.2 Programme-Specific Entry Requirements for Admission

a. *Direct Entry:* A candidate shall be eligible for admission if he/she has two principal level passes in appropriate subjects such as *Kiswahili, Fasihi ya Kiswahili, English Language, Literature in English, French, and Chinese* with not less than 5 points at Advanced Certificate

Secondary Education Examination (ACSEE) based on the conversion scale stated in (2.10) above.

OR

b. *Equivalent qualifications:* Applicant will be considered for admission if he/she has an appropriate equivalent diploma with a GPA of not less than 3.5 for an ordinary diploma or a B+ average for teacher education and other diplomas recognised by the University of Dar es Salaam.

6.3 List and Description of Courses

Semester 1, Year 1

Course Code	Course Title	Status	Credits
CL 119	Communication Skills for Translators and Interpreters I	Core	12
DS 114	Development Perspectives I	Core	12
LL 111	English Grammar I	Elective	12
TT 100	Introduction to the Theory of Translation	Core	12
TI 100	Introduction to Theory of Interpretation	Core	12
CM 111	Chinese Grammar I	Elective	12
KI 100	Sarufi ya Kiswahili	Elective	12
FL 100	French Grammar I	Elective	12
Total			**84**

**Students shall take a maximum of two elective courses for their language specialties*

Semester 2, Year 1

Course Code	Course Title	Status	Credits
DS 115	Development Perspectives II	Core	12
CL 129	Communication Skills for Translation and Interpretation II	Core	12
TT 122	Theory and Practice of Translation	Core	12
TI 123	Theory and Practice of Interpretation	Core	12
LL 121	English Oral Proficiency I	Elective	12
FL 102	French Oral Proficiency I	Elective	12
CM 122	Chinese Oral Proficiency I	Elective	12
KI 102	Utangulizi wa Misingi ya Uandishi katika Kiswahili	Elective	12
Total			**72**

**Students shall take a maximum of two elective courses for their language specialties.*

Semester 1, Year 2

Course Code	Course Title	Status	Credits
TT 201	Translation in Technical and Professional Contexts	Core	12
TI 202	Legal Protection of Creativity and Intellectual Property Rights in Translations	Core	12

Course Code	Course Title	Status	Credits
TI 203	Introduction to Audio-Visual Translation I	Core	12
TI 204	Translation and Interpretation in the Digital Era	Core	12
FL 205	French Grammar II	Elective	12
LL 211	English Grammar II	Elective	12
CM 207	Chinese Grammar II	Elective	12
KI 228	Ukujazi wa Msamiati katika Kiswahili	Elective	12
Total			**72**

**Students shall take a maximum of two elective courses for their language specialities.*

Semester 2, Year 2

Course Code	Course Title	Status	Credits
TI 210	Practical Training in Translation and Interpretation I	Core	12
TI 211	Professional Ethics in Translation and Interpretation	Core	12
TI 221	Practical Training in Translation and Interpretation II	Core	12
LL 223	Tanzania Sign Language Interpretation	Core	12
TT 224	Lexicography and Translation	Core	12
TT 225	Introduction to Audio-Visual Translation II	Core	12
TI 226	Discourse Analysis in Translation and Interpretation	Core	12
TI 230	Gender Perspectives in Translation and Interpretation	Elective	12
Total			**72**

Semester 1, Year 3

Course Code	Course Title	Status	Credits
TI 301	Reading and Listening Skills in Interpretation	Core	12
LL 326	Theory and Practice in Public Speaking	Core	12
LL 327	Theory of Editing and Publishing	Core	12
LL 328	Theory and Practice in Text Writing	Core	12
KI 329	Lahaja za Kiswahili	Elective	12
LL 330	Varieties of English	Elective	12
CM 331	Varieties of Chinese	Elective	12
FL 332	Varieties of French	Elective	12
KI 333	Kiswahili katika Matumizi	Elective	12
Total			**72**

**Students shall take a maximum of two elective courses for their language specialties*

Semester 2, Year 3

Course Code	Course Title	Status	Credits
RT 399	Research Methods in Translation and Interpretation	Core	12
TT 336	Translation Project	Core	12

Course Code	Course Title	Status	Credits
TI 337	Interpretation Project	Core	12
TI 338	Cultural Competence in Translation and Interpretation	Core	12
TI 339	Translation and Interpretation in Multilingualism	Core	12
TI 340	Entrepreneurship in Translation and Interpretation	Core	12
FN 250	Financial Literacy	Core	-
Total			**72**

*For the FN 250 Online Course – Enrollment is from the second year of study. The Minimum Study period to access online examinations is one month. Maximum study time – 6 months. Minimum pass 70%.

Bachelor of Arts in Literary Studies and Creative Writing

7.1 General Minimum Entry Requirements for Admission

General entry requirements for admission into this programme shall be:

a. Two Principal level passes with a total of 5 points in two relevant subjects at the Advanced Certificate of Secondary Education Examination (A-Level) or its equivalent in the discipline applied or relevant to the programme applied (where A = 5; B = 4; C= 3; D = 2; E = 1; S = 0.5).

OR

b. An Ordinary Diploma with a minimum GPA of 3.5 or B+ grade and at least FIVE passes of which three must be at credit level at O-Level.

7.2 Programme Specific Entry Requirements for Admission

Direct Entry: A candidate shall be deemed eligible for admission if he/she has two or more principal level passes in appropriate subjects (Kiswahili, Fasihi ya Kiswahili, English Language, Literature in English, French, Chinese, Arabic and Academic Communication) with not less than 5 points at Advanced Certificate Secondary Education Examination (ACSEE) based on the conversion scale stated in (2.10a) above.

OR

Equivalent qualifications: Applicant will be considered for admission if he/she has an appropriate equivalent Diploma of a GPA not less than 3.5 for Ordinary Diplomas in language and literature related subjects.

7.3 List and Description of Courses

Semester 1, Year 1

Course Code	Course Title	Status	Credits
DS 114	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
LC 100	Introduction to Literary Studies	Core	12
LC 101	Introduction to Creative Writing	Core	12
LC 102	African Oral Literature and Creative Writing	Core	12
LC 103	Introduction to Drama and Performance	Elective	12
LC 104	Exploring and Practicing Literary and Creative Language	Core	12
LC 105	Tanzanian Literature in English	Core	12
Total			**96**

Semester 2, Year 1

Course Code	Course Title	Status	Credits
DS 115	Development Perspectives II	Core	12
LC 106	The Artistry of Story-Telling	Core	12
LC 107	Introduction to Sci-Fi and Fantasy Literature	Core	12
LC 108	Literature and Creative Writing: Workshop I	Core	12
LC 109	Introduction to English Literature	Core	12
LC 110	Autobiographical Writing	Core	12
LC 111	Writing Creative Works for Children	Core	12
FN 103	Financial Literacy	Elective	
Total			**84**

Semester 1, Year 2

Course Code	Course Title	Status	Credits
LC 200	Contemporary World Literature	Core	12
LC 201	Poetry and Poetics	Core	12
LC 202	Playwriting and Screenwriting	Core	12
LC 203	Environmental Literature	Core	12
LC 204	Introduction to Literature of the African Diaspora	Elective	12
LC 205	Creative, Narrative and Literary Theories	Core	12
LC 206	Mythology and Folklore in Literature	Core	12
LC 207	Dramaturgy for Creative Performance	Core	12
Total			**96**

Semester 2, Year 2

Course Code	Course Title	Status	Credits
LC 208	Magical Realism in Literature	core	12
LC 209	Writing for Social Change	Core	12
LC 210	Literature and Creative Writing: Workshop II	Core	12
LC 211	Creative Performance: Theatre and Film	Core	12
LC 212	Literature and Gender Studies	Core	12
LC 213	Representation of Pan-Africanism: Thought and Practice	Elective	12
FN 203	Financial Literacy II	Elective	
LC 214	Practical Training/ Field Practice I	Core	12
Total			**84**

Semester 1, Year 3

Course Code	Course Title	Status	Credits
LT 300	Literary Research Methods	Core	12
LT 301	Literary Adaptation: From Text to Screen	Core	12
LT 302	Creative and Literary Translation	Core	12
LT 303	Literature, Creative, and Artificial Intelligence	Core	12

Course Code	Course Title	Status	Credits
LT 304	Copyrights and Legal Aspects in Literature and Creative Writing	Core	12
LT 305	Literature and Creative Writing: Workshop III	Core	12
LT 306	Introduction to Comparative Literature	Core	12
Total			**84**

Semester 2, Year 3

Course Code	Course Title	Status	Credits
LT 307	Creative Sci-Fi and Fantasy	Core	12
LT 308	Writing Workshop: Advanced Technique	Core	12
LT 309	Literary Journalism	Elective	12
LT 310	Digital Literature and New Media	Core	12
LT 311	Entrepreneurship in Literature and Creative Writing	Core	12
LT 312	Independent study in Creative Writing: Portfolio	Core	12
LT 313	Editing Literature in the Digital Age	Core	12
Total			**84**

Bachelor of Arts in History and Archival Studies (BAHAS)

8.1 General Minimum Entry Requirements for Admission

A candidate shall be deemed eligible for consideration for admission to a Bachelor of Arts in History and Archival Studies (BAHAS) Degree Programme if he/she has one of the following qualifications:

a. Direct Entry: Two principal passes in the following combinations: i) Social Sciences (History, Geography); ii) Languages (Kiswahili, Fasihi ya Kiswahili, English Language, Literature in English, French, Chinese, Academic Communication); iii) Arts (Fine Art, Theatre Arts, Music, Textile and Garment Construction); iv) Business (Economics, Commerce, Accountancy) at Advanced Certificate Secondary Education Examination (ACSEE).

b. Equivalent qualifications: in the following Diploma; Archival Management, Library and information science, Museum Studies, Library Records and Information Studies, Cultural Heritage Management, Record Management, Archival Studies, Conversation and Restoration, Archaeology, History, in Computer Science and Information Technology in recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

c. A postgraduate diploma in a related discipline.

8.2 List and Description of Courses

Course Code	Course Title	Status	Credits
UNIVERSITY WIDE COURSES			
DS 114	Development Perspectives I	Core	12
DS 115	Development Perspectives II	Core	12
FN 103	Financial Literacy	Core	12
FN 203	Financial Literacy	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12

Course Code	Course Title	Status	Credits
HISTORY			
HI 110	Introduction to Historical Scholarship	Core	12
HI 111	Pre-Colonial History of Tanzania	Core	12
HI 112	World Civilizations I	Core	12
HI 113	Introduction to Historical Academic Writing and Research Skills	Core	12
HI 114	Colonial and Post-Colonial History of Tanzania	Core	12
HI 115	World Civilizations II	Core	12
HI 280	African History: Ancient to Modern Times	Core	12
HI 281	Historical Theory and Historiography	Core	12
HI 282	Historical Geography of East Africa	Core	12
HI 283	Oral History and Traditions in Tanzania	Elective	12
HI 284	History of East African Coast and Indian Ocean Trade	Core	12
HI 285	Themes in Environmental History of Africa	Elective	12
HI 380	History of Slavery and the Slave Trade in Africa	Core	12
HI 381	Political Instabilities and Peace Making	Elective	12
HI 382	Research Proposal writing in History and Archives	Core	12
HI 383	Public History and Historical Memory	Core	12
HI 384	Gender History of Africa	Elective	12
HI 385	Comparative Colonialism in Eastern and Central Africa	Core	12
HI 386	Global Capitalism	Core	12
HI 387	History of Medicine and Diseases Control in Africa	Core	12
ARCHIVAL			
AR 100	Introduction to Archival Studies	Core	12
AR 200	Archival Theory and Principles	Core	12
AR 201	Tanzanian Archival Studies and Research Techniques	Core	12
AR 202	Archival Preservation and Conservation	Core	12
AR 303	Advanced Archival Management	Elective	12
3AR	Research Methods in History and Archives	Core	12
3AR	Digital Archives and Electronic Records Management	Core	12
3AR	Community Archives and Public History	Core	12
3AR	Legal and Ethical Issues in Archives	Core	12
3AR	Genealogy and Family History Research	Elective	12

Course Code	Course Title	Status	Credits
AR 300	Advanced Archival Management	Elective	12
COMPUTER			
IM 100	Introduction to Computer and Information Management	Core	12
CA 200	Computer Applications in History and Archives	Core	12
ANTHROPOLOGY			
CA 101	Introduction to Cultural Anthropology	Core	12
ARCHEOLOGY			
AY 322	Museum Studies and Curation	Core	12
CULTURAL HERITAGE			
HM 308	Cultural Heritage and Tourism in Tanzania	Core	12
KISWAHILI			
KI 118	Basis in Swahili Language for History and Archival Management	Core	12
PRACTICAL			
PT 100	Practical Components for Bachelor of Arts in History and Archival Studies-Year One	Core	12
PT 200	Practical Components for Bachelor of Arts in History and Archival Studies-Year Two		

Bachelor of Science in Climate Change and Natural Resource Management (BScCNRM)

9.1 General Minimum Entry Requirements for Admission

A candidate shall be deemed eligible for consideration for admission to a Bachelor of Science in climate change and natural resource management if he/she has one of the following qualifications:

a. Direct Entry: Two principal passes of one subject must be in the following subjects: Geography, Biology, and Agriculture.

b. Equivalent Qualifications: Diploma in Wildlife, Forestry, Environmental Resources, Environmental Management, Community Development, Environmental Science, Agricultural Sciences, Land Use Planning, Geographical Information Systems, Education (Geography, Science Subjects and Natural Resources) and other related disciplines recognised by UDSM Senate with an average of "B+'' or a minimum GPA of 3.5.

9.2 List and Description of Courses

Semester 1, Year 1

Course Code	Course Title	Status	Credits
DS 114*	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
MR 101*	Introduction to Meteorology	Core	12
MR 102	Meteorological Instrumentation and Observation	Core	12
CN 100	Human Population Studies	Elective	12

Course Code	Course Title	Status	Credits
CN 101	Climate Change and Human Security	Core	12
CN 102	Population Ecology	Elective	12

*Number of electives to be taken 1; * Blended course*

Semester 2, Year 1

Course Code	Course Title	Status	Credits
DS 115*	Development Perspectives II	Core	12
CN 103	Environmental Ecology	Elective	12
CN 104	Climate Change and Human Health	Elective	12
CN 105	Project Planning and Management	Core	12
CN 106	Gender Mainstreaming in Natural Resources Management	Core	12
CN 107	Gender Dynamics and Climate Change	Core	12
CN 108	Paleoclimatology	Core	12
CN 109	Artificial Intelligence (AI) for Climate Change and Natural Resource Management	Elective	12

*Number of electives to be taken 1; * Blended course*

Semester 1, Year 2

Course Code	Course Title	Status	Credits
MR 202*	Climatology	Core	12
CN 200	Environmental Resources Management	Core	12
CN 201	Environmental Resources and Food Security	Core	12
CN 202	Remote Sensing in Climate Change and Natural Resources Management	Core	12
CN 203	Entrepreneurship in Natural Resources Management	Core	12
CN 204	Population and Natural Resources Management	Elective	12
CN 205	Natural Resource Economics	Elective	12

*Number of electives to be taken 1; * Blended course*

Semester 2, Year 2

Course Code	Course Title	Status	Credits
FN 250*	Financial Literacy	Core	-
MR 208*	Hydrometeorology	Core	8
CN 206	Modelling and Simulation of Climate Systems	Core	12
CN 207	Natural Resources and Poverty Reduction	Elective	12
CN 208	Community Participation in Natural Resources Management	Elective	12
CN 209	Geographic Information Systems and Techniques	Core	12
CN 210	Urbanization and Natural Resource Management	Elective	12
CN 211	Practical Training	Core	12

*Number of electives to be taken 1; * Blended course*

Semester 1, Year 3

Course Code	Course Title	Status	Credits
MR 301	Weather Analysis and Forecasting	Core	12
MR 303	Tropical Meteorology	Core	8
CN 300	Knowledge Systems in Climate Change and Natural Resources Management	Elective	12
CN 301	Monitoring and Evaluation of Natural Resource Management Interventions	Elective	12
CN 302	Aquatic Ecosystems	Core	12
CN 303	Research Methods in Natural Resources Management	Core	12
CN 304	Ecosystems Carbon Management	Core	12
CN 305	Climate Change Policies, Frameworks and Strategies	Elective	12

Number of electives to be taken 1

Semester 2, Year 3

Course Code	Course Title	Status	Credits
MR 307	Short-Term Climate Prediction	Core	12
MR 313	Air Pollution Meteorology	Elective	8
CN 306	Climate Change and Sustainable Development	Core	12
CN 307	Agricultural Innovations and Environment	Elective	12
CN 308	Strategic Natural Resource Risk Management	Core	12
CN 309	Natural Resources Conflicts Management	Core	12
CN 310	Natural Resources Policies, Frameworks, and Strategies	Elective	12
CN 311	Extractive Industries and Climate Change	Core	12

Number of electives to be taken 1

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Y. F. Msambwa, BSc (Dar)
S. M. Reuben, BSc (IAA-Arusha)
S. M. Mlagala, BSc (IAA-Arusha)

Mathematics
Senior Lecturers
C. S. Chacha, BEd, MSc (Dar), PhD (PNU)
J. I. Irunde, BEd, MSc (Dar) PhD (Arusha)

J. A. Mwasunda, BSc, MSc (Dar), (Arusha)
M. Aloni, BA, MA, PhD (Dar)
J. Mlyahilu, BEd (Dar), MSc, PhD, (Pukyong)

Lecturers
A. P. Mtunya, BSc, MSc (Dar), PhD (Arusha)
B. G. Mng'ong'o, Dip (Iringa), BEd, MSc (Dar)
R. Nyakale, BSc, MA(Dar), PhD (Dar)
A. Said, BEd (Dar), PGD (AIMS,), MSc (Stellenbosch), PhD (Dar)
G. Wingi, BEd (Dar), PGD (AIMS- South Africa, MSc (Lappeenranta) PhD (Stellenbosch)
N. Nzaganya, BSc, MSc (Dar), PhD (Stellenbosch)
E. A. Kyojo, BSc, MSc (Dar), PhD (Arusha)
M. A. Stephano, BSc (Dar) MSc (Pusan), PhD (Arusha)
F. B. Luhanda BEd Sc (Dar)

Assistant Lecturers
*M. A. Simbeye, BSc., MSc. (Dar)
N. S. Mbugi, BSc, MSc (Dar)
*A. S. Nguni, BSc, MSc (Dar)
Z. B. Mtemba, BSc (Dodoma), MSc (Dar)

Physics
Senior Lecturer
T. E. Kibona, BSc, MSc (Dar), PhD (Arusha)
A.V. R. Ntarisa, BSc, MSc (Dar) PhD (Kyungpook)

Lecturers
E. R. Ollotu, Dip (Monduli), BEd, MSc, PhD (Dar)
B. J. Mafwele, BSc (Dar), MSc, PhD (Inha)
C. Lwiwa, BSc, MSc (Dar) PhD (Norway)

Assistant Lecturers
*E. Chanai, BSc (Dar) MSc (Dar)
G. Mlay, BEd, MSc (Dar)
*D. J. Mahushi (Ms), BSc (Dar) MSc (Arusha)
J. N. Shelembi, BSc (Dar), MSc (TTianjin)
*N. I. Mwankemwa, BSc (Dar), MSc (YangtzeUniversity)
B. Kachira, BSc (Dar), MSc (Dar)
*A. F. Tarimo BSc (Dar), MSc (Kyungpook)
C. D. Jovitha, BSc, MSc (Dar)

Tutorial Assistants
*Y. M. Ndayatamye, BSc (Dar)
*J. Kaijage, BSc (Dar)
D. D. Feruzi, BSc (UDOM)
*W. B. Makundi, BSc (Dar)

Senior Laboratory Technologist I
C. Sostenes, FTC (Dar)

Senior Laboratory Scientist I
S. Juma, Dip, BSc ((Dar)
H. M. Edson, Dip. (Kleruu), BSc, (Dar)
S. T. Munisi, Dip (SUA), BSc (Dar)

Laboratory Technologist II
J. K. Thomas, Dip (Kleruu)
G. F. Mpuga, Dip (DIT)

Directorate of Administration and Human Resources Management
Director of Administration and Human Resources Management
E. Lyagoda, BA (Dar), MBA (RUCU)

Senior Administrative Officer
P. Makafu, BA (Dodoma), MA (Morogoro)
G. Ndunguru, BA (Dodoma)
A. Manga, BA, (Mzumbe-Morogoro)

Senior Human Resource Officer
A. Msofe, BA (Dar)

Administrative Officer
G. Msolla, Dip (Mbeya), BHRM (UoI,), MBA (UoI)
Secretary
J. Shija, Dip (Mbeya)

Directorate of Library Services
Senior Lecturer and Director of Library Services
J. A. Mmongoyo, BSc Ed., MSc (Dar), PhD (Michigan State)

Assistant Librarian Trainees
P. S. Kilwale, BSc BICT (MoCU)
R. N. John, BSc BICT (MoCU)

Principal Library Officer
L. Y. Selle, Dip (SLADS), BA (Dar TU), MA (Dar)

Library Officers
J. P. Telekako, Cert, Dip (SLADS), BLIM (OUT)
E. M. Nkanda, Cert, Dip (SLADS), BLIM (OUT)
H. J. Abdala, Cert, Dip (SLADS), BLIM (OUT)

Principal Library Assistants
A. S. Chando, Cert, Dip (SLADS)
A. R. Kawambwa, Cert, Dip (SLADS), BA (Dar TU)

Senior Library Assistant
E. E. Shumba, Cert, Dip (SLADS)
G. Y. Mgullah, Cert, Dip (SLADS)
N. M. Mteti, Cert, Dip (SLADS)
P. J. Mbunda, Cert (SLADS)

U. A. Mombokaleo, Cert (SLADS)
U. L. Muhoja, Cert, Dip (SLADS)

Library Assistants
I. M. Ngaila, Cert (RUCU), Dip (SLADS)
A. P. Inyasi, Cert, (MoCU)
A. I. Mohamed, Cert (SLADS)
B. R. Samwel, Cert (TPSC)
E. A. Mmassy, Cert (MoCU)
F. A. Josia, Cert (SLADS)
H. B. Msofe, Cert (SLADS)
M. K. Kagito, Cert (AMUCTA)
M. M. Ramadhani, Cert (MoCU)
N. S. Ramadhani, Cert (SLADS)
N. I. Bwambayeko, Cert (TPSC)
S. S. Melau, Cert (MoCU)
S. M. Baliniga, Cert (SLADS)
T. J. Idaa, Cert (SLADS)
U. M. Mshani, Cert (MoCU)
V. A. Luca, Cert (SLADS)

Secretary
T. B. Mwambeta Cert, Dip (TPSC)

Communication and Marketing Unit
Senior Lecturer and Head of Communication and Marketing Unit
P. Kanijo, BA, MA (Dar), PhD (Gothernburg)

Public Relations Officer II
N. Kasabuliro, BA (UDSM)
E. Mhozya, BA (Mwanza)

Finance Unit
Manager, Finance Unit
CPA. A. Philemon, Msc (IFM), PGDA (IFM), ADV.DIP (IFM)

Senior Accountant
CPA. B. Kambo, BAAF (Moshi), PGDA (Arusha), CPA (Dar) MA (RUCU)
CPA. A. S. Mkamila ADA (TIA)

Accountant
R. Ulaya, ADA (TIA), CPA (Dar) MA (IAA)
E. Lyimo, Bach (UDOM, CPA (Dar)

Senior Accounts Officers
P. J. Kimondo, Dip, ADA (Dar), PGD (CBE)
E. Mbena, ADA (IAA,)
M. S. Rumas, BC (Dar)
L. P. Mtavangu, ADA (TIA)

Accounts Officers
G. Wambura BA (UDOM), PGD (UDSM)
M. Maganga, BA (SAUT)
G. Ndalituke, BA (TIA)

Office Management Secretary
S. Mkoroma, Cert, Dip (Dar)

Office Attendant
D. Ikandilo, Cert (TPSC)

Internal Audit Unit
Head, Internal Auditor Unit
CPA. N. Kawo, BCom (Ambedkar), MA (Netherlands), CPA (T), NBAA

Internal Auditors Officers
J. Cyprian, BA (RUCU), CPA (Dar)
S. Kibwana, BA (MoCU)

Legal Services Unit
Head, Legal Services Unit
ADV. A. Tumbuchile, LLB, PGD (Dar)

Legal Officer
ADV. P. Mizimu, LLB (RUCU), PGD (Dar)
***R. Mande, LLB (Dar)

MUCE Health Centre
Medical Specialist and Medical Officer in Charge
S. Likondangoma, MD & BS (Fudan), Masters in Obstetrics/Gynaecology (MUHAS)

Medical Specialists
S. Lyuba, MD (MUHAS,), MMED (KCMC)
S. Likondangoma, MD & BS (Fudan), Masters in Obstetrics/Gynaecology (MUHAS)

Medical Officers
A. Shamady, Dip (Mbeya), BMed (Kilimanjaro)

Principal Clinical Officers
E. Mahenge, Dip (Dodoma,) BMed (Morogoro)
K. C. M. Mackenza, AdvDip (Mbeya)

Senior Clinical Officers
E. Kabuka, Dip (Dodoma)
J. Sossiya Dip (Mwanza)

Clinical Officers
*O. Mbwale, Dip (Iringa)
N. Kelvin, Dip (Iringa)
*S. Winani, Dip (Dar)
*W. Mwendwa, Dip (Dar)

*A. Swai, Dipl (Kenya)
A. Nailowa Dipl (Ruvuma)
A. Ngowi, Dipl (Dar)
*C. Haulle, Dipl (Dar)

Health Laboratory Scientists
S. Luvinga, Dip (Makete), AdvDip (MUHAS)

Principal Technologist
A. Mlengule, Cert (Makete), Dip (MUHAS)

Senior Technologists
*P. Nyeho, Cert (Singida), Dip (Iringa)
F. Nyigu, Dip (Makete)

Technologist
E. Ngullo, Cert (Singida)

Pharmacist
R. Raphael, BPharm (St. John University)

Principal Pharmaceutical Technicians
C. Nyange, Dip (MUHAS), BPharm (KIU)

Senior Pharmaceutical Technicians
M. Ngakola, Dip (Dar)
M. Chaula, Dip (RUCU)

Pharmaceutical Technicians
H. Nyalusi, Dip (Kampala International University Tanzania)

Principal Assistant Nursing Officers
W. G. Vahaye, Dip (Dar), PGD (Stellenbosch)
D. Bernard, Dip (Tabora), BSc (Dodoma)
C. Lilanga, Dip (Mtwara), BSc (Dodoma)
E. Kapesa, Dip (Dar), BSc (Dodoma)
D. Antapa, Dip (Mtwara)
F. Nguli, Dip (Mtwara)

Senior Assistant Nursing Officers
E. Kimaro, Dip (Muheza)
J. Lwila, Dip (Njombe)

Assistant Nursing Officers
O. Mwashota, Dip (Mbeya)

Principal Nurse
G. Mlimakifi, Dip (Tanga)

Senior Nurse
Z. Mgao, Cert (Iringa)

M. Nyiti, Cert (Iringa)
N. Sangabo, Cert (Tanga)

Senior Accountants Officer
V. Mwanyika, ADA (TIA)

Senior Health Assistant
R. Kisapi, Cert (Mbeya)

Executive Assistant
M. Mshangama Cert (Dar)

Principal Records Management Assistant
N. Kitogo, Cert (Tabora) Dip, (Tanga)

Record Management Assistant
E. Nkwabi, Cert, Dip (TPSC)
H. Silas, Cert, Dip (TPSC)

Health Officers
S. Lema, BSc (MUHAS)
A. Maziku, BSc (MUHAS)

Procurement and Management Unit
Head, Procurement Management Unit
F. Chitanda, ADPS (TIA), CPSP (T) (Dar), MSc (Mzumbe)

Principal Supplies Officer
A. Mtema, NSC, CPSP (T) (Dar), PGDM (Iringa), MSc (Morogoro)

Senior Supplies Officers
A. Kisese, Dip (Dar), BBA (Iringa)
J. Station, ADPS (TIA), CPSP (T) (Dar)

Supplies Officers
R. Kahemela, BA (UDOM)

Procurement Officer
R. Mwinyi, Cert, Dip, BA (Arusha)
C. Amnai, BA (RUCU)
O. Juma, BA (TIA)
Y. Kisoka, BA (NIT)

Registry
Principal Records Management
M. Waziri, Cert, Dip (Dar)
S. Koko, Cert (Iringa), Dip (Mtwara)
L. Sapachuma, Cert, Dip (Dar)

Senior Records Management
N. Wadeya, Cert (Dar)

Records Management Assistant
B. Paul, Cert, Dip (Dar)
*A. J. Gwevu, Cert (Mtwara)
I. Kiwale, Cert, Dip (TPSC)
O. Mlanzi, Cert, Dip (TPSC)

Information and Communication Technology Unit
Senior lecturer *Manager, Information and Communication Technology Unit*
J. Mlyahilu, BEd (Dar), MSc, PhD, (Pukyong)

Senior Information and Communication Officers
*C. Maulaga, Dip (Dodoma) AdvDip (Arusha)
S. Majimoto, Dip (Dodoma) Adv Dip (Arusha)

Information and Communication Officer
J. Emanuel, BSc (Dar) MSc (Dar)
E. Nsolo, BSc (Dar), MSc (Linkoping)
J. Mwaya, BSc (UDOM)

Principal Assitant Information and Communication Technology Officer
D. Malogo, Cert, Dip (Dar)

Assitant Information and Communication Technology Officer
J. Malibiche, Dip (Kilimanjaro)
H. Gidion, Dip (Capital Teachers' College)
G. Ramadhani, Dip (St. Bernard Teachers' College)
H. Lwoga, Dip (NIT)
I. Kiula, Dip (Mzumbe)

Planning and Development Unit
Manager, Planning and Development Unit
CPA. B.F. Madyedye AD Dipl (Dar) MBA (Iringa) CPA (NBAA, Dar)

Senior Planning Officers
T. Mhongole, BA (ARU), MA (UDSM)

Planning Officers
J. Tweve, BA (MNMA)
G. Mnyone, BA (IRDP)
J. Mkeha, BA (UDSM)

Estates and Works Management Unit
Senior Estates Officer and Manager, Estates and Works Management Unit
G. Ngelime, Dip (University of Bath), BSc (Dar)

Senior Estate Officers
S. Kullagwa, FTC, BSc (MUST)
G. Sarimbo, BSc (Dar)

Estates Officers
F. Lyamuya, BSc (Dar)
K. Kafu, Bsc, Dip, BSc (MUST)
M. Mwaimu FTC (NIT), BSc (MUST)

Principal Technicians
R. Nicholaus, Dip (Dar)
F. Mwangabo, FTC (Mbeya)

Technicians
S. Ndimbo, Cert (VETA), Dip (MUST)
M. Lukenyo, Cert (MISUNGWI CDTI), Dip (MISUNGWI CDTI)

Principal Artisan
D. Kiboye, FTC (Mbeya)
B. Mwachota, Cert (Dar)

Artisans
Y. Lulimo, Cert (VETA)
L. Mlangwa, Cert (VETA)
M. Baluhi, Cert (VETA)
*R. Mahundi, Cert (VETA)
J. Makala, Cert (VETA)
S. Mmary, Cert (VETA)
A. Nobert, Cert (VETA)
*A. Mdoe, Cert (VETA)

Principal Assistant Health Officer
C. Nissilu, Cert (Tanga), AdvDip MUHAS)

Directorate of Students' Services
Director of Students Services
W. Mdegela, BD (Makumira), MPA (Mzumbe)

Senior Wardens
L. Asajile, Dip, BA (Dar), MBA (UoI)
P. Stephano, Cert (Mtwara), BAEd (Dar)
A. Hussein, BA Ed (Dar), MPA (Mzumbe)
A. Egidius, BA, MA (UoI)
E. Kilegu, BAEd (Dar)
K. Mhema, BA (Dar)

Wardens
L. Balenzi, BEd, MEd (Dar)
A. Ntiruka, Cert (Dar), Dip (Arusha), BA (Arusha)
B. Mwakyeja, BEd (Dar), Mphil (Oslo) MBA (Iringa)
E. Wikedzi, Dip (Mbeya), Bed (Dodoma)
G. Spotwa, BA (Mbeya), MEMA (Dar)
T. Nyoni, BA (Tabora), MEM, (SAUT)
R. Mwigo, BA (Dodoma), MPH (Dar)
S. Samson, BA (UDOM)

Secretary
R. Ngassa, Cert, Dip (TPSC)

Sports and Games
Game tutor
O. Msigara, BA (UDSM)

Transport Unit
Transport Officer
A. Mkubwa, BA (NIT)

Principal Drivers
C. Chogo, Cert (Iringa), AdvCert (Dar)
C. Singo, Cert (IAE), AdvCert (Dar)

Drivers
P. Sigimba, Grade Test I (Iringa), AdvCert (Dar)
J. Messay, Adv Cert (Dar)
A. Kibiriti, Adv Cert (Dar)
R. Amiri, Cert (Njombe),
S. Olomi, Adv Cert (Dar)

Principal Office Management Secretaries
L. Balama, Cert (Tabora) Dip (UoI)
J. Shija, Dip (Mbeya)
S. Mkoroma, Cert, Dip (Dar)

Senior Office Management Secretaries
M. Kilindo, Cert, Dip (Dar)
H. Samillan, Cert (Dar)

Office Management Secretaries
*S. Ngole, Cert, Dip (Mtwara
R. Kibajiro Cert, Dip (Dar)
R. Kacho, Cert, Dip (TPSC)
T. Mwambeta, Cert, Dip (TPSC)
R. Ngassa, Cert, Dip (TPSC)

Executive Assistant
R. Kalonga, Cert (Dar), Dip (Iringa)
S. Joseph Cert, Dip (Mbeya)
N. Kibonde, Dip (Dar)
M. Mshangama Cert (Dar)

Auxiliary Police
G. Mkumbi, Cert (Kidatu)
W. Mboje, Cert (MOSHI), Dip (RUNGEMBA CDTI)
S. Ntinginya, Cert (Kidatu)
N. Nyimbo, Cert (Kidatu)
P. Komba, Cert (Mbeya), Cert (UDSM)

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* On Study Leave
** On Sabbatical Leave
*** On Leave of Absence/Secondment