



**UNIVERSITY OF DAR ES SALAAM**



**UNDERGRADUATE PROSPECTUS  
2020/2021**



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**UNDERGRADUATE PROSPECTUS**

**2020/2021**

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## WELCOMING NOTE FROM THE VICE CHANCELLOR

We are delighted that you have decided to undertake your tertiary studies at the University of Dar es Salaam. This Prospectus describes the range of our courses and different activities conducted at the University which will give you 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 recognize that the quality of student experiences derives from more than academic study. That is why the University encourages students to join and actively participate in activities of the students' union and use the 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 all reasonable steps to make sure that the information in this prospectus about course contents, structure, teaching facilities and staffing are 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 A. L. Anangisye  
VICE CHANCELLOR  
July 2020

## 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 Fisheries 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 Economic (SoEC), University of Dar es Salaam Wilbert Chegula Library, 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 Bureau (QAB), University of Dar es Salaam Innovation and Entrepreneurship Centre (UDIIEC), University Computing Center (UCC), Dar es Salaam University Press (DUP), University Consultancy Bureau (UCB), Gender Centre (GC), 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 Resource 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 Resource 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. There are 7 Halls of residences, the COICT and MCHAS hostels which are charged at the rate of TZS. 800/= per day. Other accommodation facilities are Dr. John Joseph Pombe Magufuli Hostels located on Campus, Mabibo Hostels located at Mabibo, 4 kilometres from the Mwalimu Julius K. Nyerere Mlimani Campus, Mazizini Hostels in Zanzibar which are charged at the rate of TZS 500/= 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 Ubungu Hostels. The University of Dar es Salaam – Mineral Resource 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) Counseling Unit**

The Counseling Unit provides personal counseling, educational (academic) counseling, and supports students facing academic and other social problems. The counseling unit gives Self-help Line Tips on DoSO website. The tips will assist individuals with psycho social problems such as relationships, personality, behavioral, emotional and family issues.

#### **iii) 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.

#### **iv) 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 Students Organisation (UDIEMSO), Institution of Engineers Tanzania (IET), Chapter and Innovation Forum (IC), to mention only few.

#### **v) 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, Administration Block, Mama Lishe, Hill Park, Yombo and UDASA Club.

## **vi) Games and Sports**

The University main campus has a range of sporting facilities. These include an international size 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: MEDICAL SERVICES**

The University of Dar es Salaam Health Centre (UHC) provides preventive, curative and restorative health services to students, staff and general public. The Centre 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 Centre is accredited to offer services to NHIF beneficiaries. All students are required to join NHIF by filling in special forms after contributing some specified amount of money. Students who fulfill the above will be provided with NHIF membership cards, which will be used to access treatment at the Centre and other accredited health facilities countrywide. Students who fall sick during examinations are advised to report to their respective departments and the Health Centre 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 remain one of the world's most significant public health challenges; all age group are affected by the disease but group aged 15-49 years is mostly affected. Current data shows that more than 50% of HIV new infection occurs in youth aged 19-24. Abstaining from sex, being faithful, limiting number of sexual partners to one who is not infected, consistent and correct use of condom are some of the measures that can prevent HIV transmission. The Centre offers free counseling and testing of HIV and confidentiality is highly maintained.

Students should also be aware of the pandemic - COVID-19. This is an infectious disease caused by a newly discovered coronavirus; it spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes. Infection occurs by breathing in the virus if you are within close proximity of someone who has COVID-19, or by touching a contaminated surface and then your eyes, nose or mouth.

The disease affects different people in different ways. Most infected people will develop mild to severe illness. The symptoms of COVID-19 include but not limited to fever, dry cough, sore throat, tiredness, headache, aches and pains. Other symptoms include diarrhoea, loss of taste or smell.

Protect yourself and others around you from COVID-19 by:-

- a. Cleaning your hands regularly using soap and water, or an alcohol-based hand rub;
- b. Maintaining a safe distance from anyone who is coughing or sneezing;

- c. Avoiding shaking hands, hugging or kissing;
- d. Avoiding unnecessary crowding or wear a face mask when it is necessary;
- e. Not touching your eyes, nose or mouth with unclean hands;
- f. Covering your nose and mouth with your bent elbow or a tissue when you cough or sneeze;
- g. Staying at home if you feel unwell.

Note: If you have fever, cough and difficulty breathing, seek medical attention at the nearest medical facility.

In case of an emergency please dial any of the following UHC numbers for assistance: 0739260861 (Medical Officer in Charge), 0737830053 (Ambulance services), 0737828559 (Emergency Section, UHC)

### **C: UNIVERSITY LIBRARY SERVICES**

The University of Dar es Salaam Library is the heart of University's academic and research endeavor that provides information services to support teaching, learning and research functions of the University. It is the academic unit which is fully involved in supporting academic and research activities of the institution. The library is operated by both academic and administrative staff whereas the former are involved in teaching, research, consultancy services and managerial functions, and the later are involved in direct provision of library services.

The University 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 Special Collection. 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. Other collections are 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 their respective subject areas, both in print and electronic information services to its users. Electronic resources are accessible on-campus using the University Internet and off-campus to eligible members of the University academic community.

The library has an ICT section which is managed by systems administrators who oversees the smooth running of ICT network and equipment. In addition, the Library has a training wing known as Information Studies Programme that offers Bachelors, Masters and PhD degree programmes in Library and Information Studies and Records and Archives Management.

### Library Opening Hours:

<b>DURING SEMESTER TIME</b>			
<b>WEEK DAYS</b>	<b>DAY TIME</b>	<b>BREAK</b>	<b>NIGHT</b>
Monday - Saturday	8:00 am - 6:30 pm	1 Hour	7:30 pm - 10:30 pm
Sunday	2:00 pm - 6:30 pm	1 Hour	7:30 pm - 10:30 pm
Public Holidays	8:00 am - 6:30 pm	1 Hour	7:30 pm - 10:30 pm
<b>DURING VACATION</b>			
Monday - Saturday	8:00 am - 5:00 pm	Closed	
Sunday & Public Holidays	Closed	Closed	

For more information about the library, visit our library web page through the University website [www.udsm.ac.tz](http://www.udsm.ac.tz) or contact the help desk through [library.helpdesk@udsm.ac.tz](mailto:library.helpdesk@udsm.ac.tz)

### **D: INNOVATION, ENTREPRENEURSHIP AND OUTREACH**

The University of Dar es Salaam offers innovation, creativity and entrepreneurship training and skills development through the University of Dar es Salaam Innovation and Entrepreneurship Centre (UDIEC) and other relevant units that are based in the Colleges, Schools and Institutes. The mission of the Centre 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 the Centre.

### **E: 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 a.m. to around 10.00 p.m. during the semester and from 06.00 a.m. to 08.00 p.m. during vacations. Commuter buses (Daladala) from Mwenje via the University to Ubungu or Changanyikeni are also available.

### **F: 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.

### **G: 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:

<b>Office</b>	<b>Contact Telephone Numbers</b>
UDSM Auxiliary Police Station	+255 22 2410266
UDSM Police Station	+255 22 2410379

### **H: 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 and IMS may wish to consult the Office of the Dean of Students at their respective locations for assistance.

### **I: 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.

### **J: 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 are available at the Mlimani Shopping Mall, which is situated on campus.

### **K: 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.

## SENIOR OFFICERS OF THE UNIVERSITY

### PRINCIPAL OFFICERS OF THE UNIVERSITY

#### CHANCELLOR

Dr. J. M. Kikwete, BA (Dar), LL.D (Dar), LL.D (St. Thomas, Minnesota), Litt.D (Kenya), IR.D (Fatih), PhD (Muhimbili), PhD (UDOM), PhD Law (Guelph), PhD Law (Newcastle, Australia), LL.D (OUT)

#### VICE CHANCELLOR

Prof. W. A. L. Anangisy, BAEd, MAEd (Dar), PhD (Edinburgh)

#### DEPUTY VICE CHANCELLOR – ACADEMIC

Prof. B. S. Rutinwa, LLB (Dar), LLM (Queen's), BCL, PhD (Oxford)

#### DEPUTY VICE CHANCELLOR – ADMINISTRATION

Prof. D. A. Mfinanga, BSc (Dar), MSc (Miyazaki), PhD (Kyushu)

#### DEPUTY VICE CHANCELLOR – RESEARCH

Prof. B. Killian, BA, MA (Dar), PhD (UCLA)

#### CORPORATE COUNSEL AND SECRETARY TO COUNCIL

Dr. S. J. Mwakaje, LLB (Dar), LLM (New Hampshire), PhD (Dar)

#### IMMEDIATE PAST VICE CHANCELLOR (ON POST)

Prof. R. S. Mukandala, BA, MA (Dar), PhD, CertNIE (Berkeley)

#### DIRECTOR, POSTGRADUATE STUDIES

Prof. D. D. Tibuhwa, BSc, MSc, PhD (Dar)

#### DIRECTOR, UNDERGRADUATE STUDIES

Prof. N. Boniface, BSc, MSc (Dar), PhD (Kiel)

#### DIRECTOR, RESEARCH AND PUBLICATION

Dr. M. I. Mgwatu, BSc (Dar), MSc (Ottawa), PhD (Dar)

#### DIRECTOR, PUBLIC SERVICES

Dr. M. Mwakalinga, BA, MA (Dar), PhD (Kansas)

#### DIRECTOR, INNOVATION AND ENTREPRENEURSHIP

Dr. A. J. M. Itika, BSc (Dar), MSc (Leeds), PhD (TU-Clausthal)

#### DIRECTOR, QUALITY ASSURANCE BUREAU

Prof. P. S. Malangwa, BAEd, MA, PhD (Dar)

**DIRECTOR, OFFICE OF THE VICE CHANCELLOR**

Dr. L. Ramadhani, BA, MA (Dar), PhD (UCD)

**DIRECTOR, INTERNATIONALISATION, CONVOCATION AND ADVANCEMENT**

Dr. L. T. Kaaya, BSc, MSc (Dar), PhD (Cape Town)

**DIRECTOR, HUMAN RESOURCES MANAGEMENT AND ADMINISTRATION**

Ms. A. I. Hayeshi, BA (Dar), MSc (Mzumbe)

**DIRECTOR, PLANNING, DEVELOPMENT AND INVESTMENT**

Dr. L. V. Haule, BSc (Dar), MSc (Manchester), PhD (Manchester)

**DIRECTOR, SOCIAL SERVICES**

Dr. M. Vuzo, BAEd (Dar), MA, PhD (Oslo)

**DIRECTOR, ESTATES SERVICES**

Dr. E. Rwakarehe, BSc, MSc (Dar), PhD (New Brunswick)

**DEAN OF STUDENTS**

Ms. P. Mabuga, DipEd (Kleruu), BAEd, MA (Dar)

**PRINCIPALS OF CONSTITUENT COLLEGES**

**Dar es Salaam University College of Education (DUCE)**

Prof. S. Maluka, BA, MA (Dar), PhD (Umea)

**Mkwawa University College of Education (MUCE)**

Prof. E. W. Dungumaro, BScEd, MA (Dar), PhD (Hitotsubashi)

**Mbeya College of Health and Allied Sciences (MCHAS)**

Prof. S. L. Lyantagaye, BSc, MSc (Dar), PhD (Western Cape)

**PRINCIPALS OF CAMPUS COLLEGES**

**College of Agricultural Sciences and Fisheries Technology (CoAF)**

Prof. C. J. Mwita, BSc, MSc, PhD (Dar)

**College of Engineering and Technology (CoET)**

Prof. B. M. M. Mwinyiwiwa, BSc (Dar), MEng (McGill), PhD (McGill)

**College of Humanities (CoHU)**

Dr. R. A. Upor, BAEd, MA (Dar), PhD (Georgia)

**College of Social Sciences (CoSS)**

Prof. R. B. Lokina, BA, MA (Dar), PhD (Gothenburg)

**College of Natural and Applied Sciences (CoNAS)**

Prof. T. J. Lyimo, BSc, MSc, PhD (Dar)

**College of Information and Communication Technologies (CoICT)**

Dr. M. M. Kissaka, BSc (Dar), PhD (Manchester, UK)

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Assistant Master Timetable Officer

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*ARIS Database Coordinator*

G. Mbele, BSc (Dar)

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M. Mwanyange

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D. Malebeja

O. Nchobe

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*Office Attendant*

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Transport Officer

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Vacant

*Accountant, External Funds Administration Unit (EFAU)*

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*Assistant Accountant*

A. Mutanaga, ADA

*Accounts Assistants*

F. Kimaro, ATEC II

G. Moshi, Dip.Acc. (TAA)

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*Accountant and Head of Section*

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Expenditure Section

*Accountant and Head of Section*

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*Assistant Accountants*

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Vacant

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P. Machaku, Form IV

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*Clerical Officer IV*

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*Assistant Dean of Students (Assistant Coordinator for Student Government Affairs, Judicatory and Control Services)*

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*Assistant Dean of Students (Assistant Coordinator for Student Government Affairs, Judicatory and Control Services)*

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N. A. Mtafya 2018-04-00539

*DARUSO Vice President*  
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*DARUSO Prime Minister*  
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Block B  
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Block D

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J. Jirori, Bed (OUT), DipEd

Block E

J. Kagaruki, B.A Sociology (OUT)

Block F

*Gisela A. Njau Bed (OUT), PGD (RAM) TPCS*

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*Agnes Duma BA. Social Work (ISW)*

*Hall VI*

D. J. Mungure, BAEd, (UDOM)

*Hall V*

Vacant

*Hall IV*

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A. A. Minja, DipEd (Dakawa)

*Hall III*

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J. W. Mtiesa, BAEd, (MUCE)

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*Matron*

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C. M. Kitemba, MD (Dar), MMed (MUHAS)

G. Masuma, MD (MUHAS), MMed (MUHAS)

L. Shukran, MD (MUHAS), MMed (China)

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C. Kamaghe MD (MUHAS)  
A. Kingilo, DipMed, (Mbeya), MBBS (IMTU)  
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*AMO Ophthalmology and Cataract Surgeon*

T. Masochi, DipMed, ADCM (Mbeya) ADCM (Mbeya), AMO'O Cat. Surgeon (KCMC)

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S. Kaikai, DipMed (Mtwara), ADCM (Ifakara)  
L. Kida, DipMed (Tanga), ADCM (Mbeya)

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*Theatre Nurse*

J. Lesso, DipTheaTech. (Mbeya)

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*Driver*

M. F. Machule, Cert. VIP Driving II HGV (NIT), PSV (VETA) Dar



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*Lecturer and Deputy Director*

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*Senior Administrative Officer*

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**East Africana**

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**Reference and Document Delivery**

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**Library Sections**

**ICT**

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Prof. A. G. Nkhoma-Wamunza, BA (Dar), PGDipLib, (Wales), MA (London), PhD (North Carolina)

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Dr. A. M. M. Kabudi, BSc (Dar), MA (Sheffield), PhD (Humboldt)

Dr. K. Mwantimwa, BAEd, MA (Dar), PhD (Antwerp)

#### *Assistant Lecturers/Librarians*

M. B. Matiyas, BA (Dar), MSc (Addis Ababa) M. Phil. (Bergen)

F. Josephat, BA, MA (Dar)

#### *Tutorial Assistants*

L. Mwinuka. BA (Dar)

E. C. Kabalo BA (Mukono )

I. Aboubakar BA (Dar)

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\* On Study Leave

\*\* On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment

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3.	Prof. William A. L. Anangisye Vice Chancellor (Ex-Officio) University of Dar es Salaam P. O. Box 35091 Dar es Salaam Email: <a href="mailto:vc@admin.udsm.ac.tz">vc@admin.udsm.ac.tz</a>	4.	Mr. Athumani Selemani Mbuttuka The Treasury Registrar P. O. Box 7244 Dar es Salaam Email: <a href="mailto:mbuttuka@yahoo.com">mbuttuka@yahoo.com</a>
5.	Mrs. Mwanaidi Mtanda (Appointee of the Chancellor) P. O. Box 6444 Dar es Salaam	6.	Dr. Leonard Akwilapo Permanent Secretary Ministry of Education, Science and Technology (Ex-Officio) P. O. Box 35094 Dar es Salaam Email: <a href="mailto:akwilapo@yahoo.com">akwilapo@yahoo.com</a>
7.	Prof. Raphael Tihelwa Chibunda (Nominee of the Vice Chancellor) P. O. Box 35091 Dar es Salaam Email: <a href="mailto:vc@sua.ac.tz">vc@sua.ac.tz</a>	8.	Eng. Joyce Kisamo (Appointee of the Senate) P. O. Box 75044 Dar es Salaam Email: <a href="mailto:jkisamo@tpdc-tz.com">jkisamo@tpdc-tz.com</a>
9.	Prof. Yunus D. Mgayu (Appointee of the Senate) P. O. Box 35091 Dar es Salaam Email: <a href="mailto:yunusmgaya@gmail.com">yunusmgaya@gmail.com</a>	10.	Ms. Jacqueline Woiso (Appointee of the Senate) P.O. Box 96 Dar es Salaam Email: <a href="mailto:jacqueline.woiso@bankm.com">jacqueline.woiso@bankm.com</a>
11.	Dr. G. L. Kahangwa Chairman of UDASA (Appointee of UDASA) P. O. Box 35091 Dar es Salaam Email: <a href="mailto:georgekahangwa@gmail.com">georgekahangwa@gmail.com</a>	12.	Mr. Noel A. Mtafya President, DARUSO (Appointee of DARUSO) P. O. Box 35080 Dar es Salaam Email: <a href="mailto:noelamos21@gmail.com">noelamos21@gmail.com</a>
13.	Dr. S. J. Mwakaje Corporate Counsel and Secretary to Council (Ex-Officio) P. O. BOX 35091 Dar es Salaam Email: <a href="mailto:stc@admin.udsm.ac.tz">stc@admin.udsm.ac.tz</a>	14.	Ms. Magreth Bwathondi Chairman of THTU (Appointee of THTU) P. O. Box 35091 Dar es Salaam

15.	Dr. Haji Mwevura (Appointee of the Revolutionary Government of Zanzibar) P. O. BOX 146 Zanzibar	16.	Appointee of CVCPT (Vacant)
17.	Appointee of the Convocation (Vacant)		

### PRINCIPAL ADDRESSES

Postal Address	Telephone	Telefax
CENTRAL ADMINISTRATION P. O. BOX 35091 DAR ES SALAAM TELEGRAPHIC ADDRESS: “UNIVERSITY” DAR ES SALAAM <u>WEBSITE: <a href="http://www.udsm.ac.tz">http://www.udsm.ac.tz</a></u>	+255-22-2410500/8	022-2410023
VICE CHANCELLOR P. O. BOX 35091 DAR ES SALAAM E-MAIL: <u><a href="mailto:vc@admin.udsm.ac.tz">vc@admin.udsm.ac.tz</a></u>	+255-22-2410500/8 Ext 2001/2575 +255-22-2410700	+255-22-2410078
DEPUTY VICE CHANCELLOR (ACADEMIC) P. O. BOX 35091 DAR ES SALAAM TELEGRAPHIC ADDRESS: UNIVERSITY OF DAR ES SALAAM E-MAIL: <u><a href="mailto:dvc-arc@admin.udsm.ac.tz">dvc-arc@admin.udsm.ac.tz</a></u>	+255-22-2410500/8 +255-22-2410077 Ext. 2002	+255-22-2410023 +255-22-2410078
DEPUTY VICE CHANCELLOR (ADMINISTRATION) P. O. BOX 35091 DAR ES SALAAM TELEGRAPHIC ADDRESS: UNIVERSITY OF DAR ES SALAAM E-MAIL: <u><a href="mailto:dvc-pfa@admin.udsm.ac.tz">dvc-pfa@admin.udsm.ac.tz</a></u>	+255-22-2410500/8 Ext. 2003 +255-22-2410394	+255-22-2410023 +255-22-2410078
DEPUTY VICE CHANCELLOR (RESEARCH) P. O. BOX 35091 DAR ES SALAAM UNIVERSITY OF DAR ES SALAAM E-MAIL: <u><a href="mailto:dvc.research@udsm.ac.tz">dvc.research@udsm.ac.tz</a></u>	+255-22-2410500/8 Ext. 2087 +255-22-2410743	+255-22-2410743 +255-22-2410078
CORPORATE COUNSEL AND SECRETARY TO COUNCIL P. O. BOX 35091 DAR ES SALAAM UNIVERSITY OF DAR ES SALAAM E-MAIL: <u><a href="mailto:stc@admin.udsm.ac.tz">stc@admin.udsm.ac.tz</a></u>	+255-22-2410169	NIL
DIRECTORATE OF POSTGRADUATE STUDIES P. O. BOX 35091 DAR ES SALAAM E-MAIL: <u><a href="mailto:dpgs@admin.udsm.ac.tz">dpgs@admin.udsm.ac.tz</a></u>	+255-22-2410500/8 Ext. 2010 +255-22-2410069	+255-22-2410023

DIRECTORATE OF UNDERGRADUATE STUDIES P. O. BOX 35091 DAR ES SALAAM E-MAIL: <a href="mailto:dus@udsm.ac.tz">dus@udsm.ac.tz</a>	+255-22-2410513	+255-22-2410078
DIRECTORATE OF RESEARCH AND PUBLICATION P. O. BOX 35091 DAR ES SALAAM E-MAIL: <a href="mailto:research@udsm.ac.tz">research@udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2086/2077, 2082/2084 +255-22-2410727	+255-22-2410743
DIRECTORATE OF PUBLIC SERVICES P. O. BOX 35125 DAR ES SALAAM E-MAIL: <a href="mailto:dps@udsm.ac.tz">dps@udsm.ac.tz</a>	+255-22-2410410 +255-22-2410500/8 Ext. 2570	+255-22-2410714
DIRECTORATE OF INNOVATION AND ENTREPRENEURSHIP P. O. BOX 110099 DAR ES SALAAM E-MAIL: <a href="mailto:udiec@udsm.ac.tz">udiec@udsm.ac.tz</a>	+255-22-2410115 Ext. 2087	+255-22-2410510
DEAN OF STUDENTS P. O. BOX 35091 DAR ES SALAAM E-MAIL: <a href="mailto:dosoadm@yahoo.com">dosoadm@yahoo.com</a>	+255-22-2410256	NIL
DIRECTORATE OF PLANNING AND DEVELOPMENT P. O. BOX 35091 DAR ES SALAAM E-MAIL: <a href="mailto:dpf@admin.udsm.ac.tz">dpf@admin.udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2022/2790 +255-22-2410514/5	+255-22-2410514
COLLEGE OF HUMANITIES P. O. BOX 35051 DAR ES SALAAM E-MAIL: <a href="mailto:cohu@udsm.ac.tz">cohu@udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2294	+255-22-2410395
COLLEGE OF AGRICULTURAL SCIENCES AND FISHERIES TECHNOLOGY P. O. BOX 35064 DAR ES SALAAM E-MAIL: <a href="mailto:coaf@udsm.ac.tz">coaf@udsm.ac.tz</a>	+255-22-2410462	NIL
COLLEGE OF ENGINEERING AND TECHNOLOGY P. O. BOX 35131 DAR ES SALAAM E-MAIL: <a href="mailto:principalcoet@udsm.ac.tz">principalcoet@udsm.ac.tz</a>	+255-22 2410753 +255-22 2410114	+255-22-2410029 +255-22 2410753

COLLEGE OF NATURAL AND APPLIED SCIENCES P. O. BOX 35065 DAR ES SALAAM E-MAIL: <a href="mailto:principalconas@udsm.ac.tz">principalconas@udsm.ac.tz</a>	+255-22-2410129 +255-22-2410500/8 Ext. 2686/2799	+255-22-2410129
COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES P. O. BOX 35194 DAR ES SALAAM E-MAIL: <a href="mailto:principalcoict@udsm.ac.tz">principalcoict@udsm.ac.tz</a>	+255-2700201	NIL
COLLEGE OF SOCIAL SCIENCES P. O. BOX 35051 DAR ES SALAAM E-MAIL: <a href="mailto:coss@udsm.ac.tz">coss@udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2294 +255-22-2410472	+255-22-2410472 +255-22-2410395
UNIVERSITY OF DAR ES SALAAM SCHOOL OF LAW P. O. BOX 35093 DAR ES SALAAM E-MAIL: <a href="mailto:dean_law@udsm.ac.tz">dean_law@udsm.ac.tz</a>	+255-22-2410196, +255-22-2410500/8 Ext. 2357	+255-22-2410254/
UNIVERSITY OF DAR ES SALAAM BUSINESS SCHOOL P. O. BOX 35046 DAR ES SALAAM E-MAIL: <a href="mailto:dean@udbs.udsm.ac.tz">dean@udbs.udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2013	+255-22-2410510 +255-22-2410006
SCHOOL OF EDUCATION P. O. BOX 35048 DAR ES SALAAM E-MAIL: <a href="mailto:dean@edu.udsm.ac.tz">dean@edu.udsm.ac.tz</a>	+255-22-2410500/8 Ext. 219422-2410608	NIL
SCHOOL OF JOURNALISM AND MASS COMMUNICATION P. O. BOX 4067 DAR ES SALAAM EMAIL: <a href="mailto:sjmc@udsm.ac.tz">sjmc@udsm.ac.tz</a>	+255-22-2700756/27 00236	+255-22-2700239
INSTITUTE OF DEVELOPMENT STUDIES P. O. BOX 35169 DAR ES SALAAM E-MAIL: <a href="mailto:ids@udsm.ac.tz">ids@udsm.ac.tz</a>	+255-22-2410500/8 +255-22-2410237 Ext. 2600-1	+255-22-2410075
INSTITUTE OF KISWAHILI STUDIES P. O. BOX 35110 DAR ES SALAAM E-MAIL: <a href="mailto:iks@udsm.ac.tz">iks@udsm.ac.tz</a>	+255-22-2410757 +255-22-2410328 +255-22-2410500/8 Ext. 2647	NIL
INSTITUTE OF MARINE SCIENCES P. O. BOX 668 ZANZIBAR E-MAIL: <a href="mailto:director@ims.udsm.ac.tz">director@ims.udsm.ac.tz</a>	+255-24-2230741/ +255-24-2232128	+255-24-2233050



INSTITUTE OF RESOURCE ASSESSMENT P. O. BOX 35097 DAR ES SALAAM E-MAIL: <a href="mailto:ira@udsm.ac.tz">ira@udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2410 +255-22-2410144	+255-22-2410393
UNIVERSITY OF DAR ES SALAAM LIBRARY P. O. BOX 35092 DAR ES SALAAM E-MAIL: <a href="mailto:director@libis.udsm.ac.tz">director@libis.udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2165 +255-22-2410241	NIL
UNIVERSITY COMPUTING CENTRE P. O. BOX 35062 DAR ES SALAAM E-MAIL: <a href="mailto:ucc@udsm.ac.tz">ucc@udsm.ac.tz</a>	+255-22-2410500/8 +255-22-2410645 0744-782120	+255-22-2410690
DAR ES SALAAM UNIVERSITY PRESS P. O. BOX 35182 DAR ES SALAAM EMAIL: <a href="mailto:dup@udsm.ac.tz">dup@udsm.ac.tz</a>	+255-22-2410093 +255-22-2410500 Ext. 2560	NIL
CONFUCIUS INSTITUTE AT UDSM P. O. BOX 35146 DAR ES SALAAM	+255 0752 483 723 +255 0784 888 281 +255 0 752 483 723	+255-22-2410651
QUALITY ASSURANCE BUREAU P. O. BOX 110093 DAR ES SALAAM E-MAIL: <a href="mailto:gab@udsm.ac.tz">gab@udsm.ac.tz</a>	+255-22 2410747	+255-22 2410747
UNIVERSITY BURSAR P. O. BOX 35091 DAR ES SALAAM E-MAIL: <a href="mailto:bursar@admin.udsm.ac.tz">bursar@admin.udsm.ac.tz</a>	+255-22-2410500/8 Ext. 2069/2076 022-2410516	NIL
DIRECTORATE OF ESTATES SERVICES P. O. BOX 35091 DAR ES SALAAM	+255-22-2410056	+255-22-2410132
UNIVERSITY HEALTH CENTRE P. O. BOX 35074 DAR ES SALAAM E-MAIL: <a href="mailto:medical@udsm.co.tz">medical@udsm.co.tz</a>	+255-22-2410500/8 Ext. 2006/2555/ 2552	+255-22-2410023
DAR ES SALAAM UNIVERSITY STUDENTS ORGANIZATION P. O. BOX 35080 DAR ES SALAAM E-MAIL: <a href="mailto:DARUSO@hotmail.com">DARUSO@hotmail.com</a>	+255-22-2410251 +255-22-2410500/8 Ext. 2395/6	NIL
UNIVERSITY HILL POSTOFFICE P. O. BOX 35000 DAR ES SALAAM	+255-22-2410143	NIL

MLIMANI PRIMARY SCHOOL P. O. BOX 35091 DAR ES SALAAM	+255-22-2410135	NIL
MKWAWA UNIVERSITY COLLEGE OF EDUCATION P. O. BOX 2513 IRINGA E-MAIL: <a href="mailto:principal@muce.ac.tz">principal@muce.ac.tz</a>	+255-26-2702751	+255 (26) 2702751
MBEYA COLLEGE OF HEALTH AND ALLIED SCIENCES P. O. BOX 608 MBEYA E-MAIL: <a href="mailto:mchas@udsm.ac.tz">mchas@udsm.ac.tz</a>	+255-25-2500082	NIL
DAR ES SALAAM UNIVERSITY COLLEGE OF EDUCATION P. O. BOX 2329 DAR ES SALAAM E-MAIL: <a href="mailto:principal@duce.ac.tz">principal@duce.ac.tz</a>	+255-22-2850975	+255 (0) 222850972
UNIVERSITY OF DAR ES SALAAM MINERAL RESOURCES INSTITUTE P. O. BOX 1696 DODOMA E-MAIL: <a href="mailto:principal@mri.ac.tz">principal@mri.ac.tz</a>	+255262963004	+255262963003

## **COURSES WHICH ARE OFFERED FOR THE UNIVERSITY CERTIFICATES, DIPLOMAS AND UNDERGRADUATE DEGREES**

### **UNDERGRADUATE PROGRAMMES**

1. 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 theSenate.
2. Subject to paragraph one (1) above the undergraduate degree programmes offered by theUniversity of Dar es Salaam in its various academic units are:

#### **College of Agricultural Sciences and Fisheries Technology (CoAF)**

- BSc in Aquatic Sciences and Fisheries
- BSc in Beekeeping Science and Technology
- BSc in Agricultural Engineering and Mechanization
- BSc in Food Science and Technology
- BSc in Agricultural and Natural Resources Economics and Business

#### **College of Humanities (CoHU)**

- BA in Archeology
- BA in Archeology and History
- BA in Archeology and Geography
- BA in Communication Studies
- BA in Diplomatic and Military History
- BA in Heritage Management
- BA in Art and Design
- BA in Theatre Arts
- BA in Film and Television Studies
- BA in Philosophy and Ethics
- BA in Music
- BA in Language Studies
- BA in Literature
- BA in History BA in History and Political Science
- BA in History, Cultural Heritage Management & Tourism
- BA with Education (CoHU)
- BA with Education (Chinese and English)

#### **College of Social Sciences (CoSS)**

- BA in Anthropology
- BA in Economics
- BA in Economics and Statistics
- BA in Geography and Environmental Studies
- BA in Political Science and Public Administration
- BA in Sociology
- BA in Statistics
- BA of Social Work

- BA in Psychology
- BA of Library and Information Studies
- BA with Education (CoSS)

#### **College of Engineering and Technology (CoET)**

- BSc in Chemical and Process Engineering
- BSc in Civil Engineering
- BSc in Electrical Engineering
- BSc in Mechanical Engineering
- BSc in Metallurgy and Mineral Processing Engineering
- BSc in Mining Engineering
- BSc in Industrial Engineering
- BSc in Textile Design and Technology
- BSc in Textile Engineering
- BSc in Petroleum Engineering
- Bachelor of Architecture (a five-year undergraduate degree programme)
- BSc in Quantity Surveying
- BSc in Geomatics

#### **College of Natural and Applied Sciences (CoNAS)**

- BSc in Actuarial Sciences
- BSc in Applied Zoology
- BSc in Botanical Sciences
- BSc in Chemistry
- BSc in Geology
- BSc with Geology
- BSc in Engineering Geology
- BSc in Microbiology
- BSc in Molecular Biology and Biotechnology
- BSc in Wildlife Science and Conservation
- BSc with Education
- BSc in Petroleum Geology
- BSc in Petroleum Chemistry
- BSc in Meteorology
- BSc in Applied Microbiology and Chemistry
- BSc in Chemistry and Physics
- BSc in Mathematics and Statistics
- BSc in Geophysics
- BSc in Geology and Geothermal Resources

#### **College of Information and Communication Technologies (CoICT)**

- BSc in Computer Science
- BSc in Electronic Science and Communication
- BSc in Computer Engineering and Information Technology
- BSc in Telecommunications Engineering
- BSc in Business Information Technology

**School of Journalism and Mass Communication (SJMC)**

- BA in Journalism
- BA in Mass Communication
- BA in Public Relations and Advertising

**University of Dar es Salaam Business School (UDBS)**

- Bachelor of Commerce in Accounting
- Bachelor of Commerce in Banking and Financial Services
- Bachelor of Commerce in Finance
- Bachelor of Commerce in Human Resources Management
- Bachelor of Commerce in Marketing
- Bachelor of Commerce in Tourism and Hospitality Management
- Bachelor of Business Administration (Evening Programme)

**School of Education (SoED)**

- Bachelor of Education in Adult and Community Education
- Bachelor of Education in Commerce
- Bachelor of Education in Early Childhood Education
- Bachelor of Education in Physical Education and Sport Sciences
- Bachelor of Education in Psychology

**University of Dar es Salaam School of Law (UDSoL)**

- Bachelor of Laws
- Bachelor of Arts in Law Enforcement

**Institute of Kiswahili Studies (IKS)**

- BA in Kiswahili

**Institute of Development Studies (IDS)**

- BA in Development Studies

**Dar es Salaam University College of Education (DUCE)**

- Bachelor of Education in Arts
- Bachelor of Education in Science
- Bachelor of Arts with Education
- Bachelor of Science with Education

**Mkwawa University College of Education (MUCE)**

- Bachelor of Education in Arts
- Bachelor of Education in Science
- Bachelor of Arts with Education
- Bachelor of Science with Education
- Bachelor of Science in Chemistry

**Mbeya College of Health and Allied Sciences (MCHAS)**

- Doctor of Medicine

## **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

## **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](mailto: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:

- (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**

- (b) (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**

- (c) 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 NACTE 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 AGRICULTURAL SCIENCES AND FISHERIES TECHNOLOGY (COAF)

#### **Bachelor of Science in Aquatic Sciences and Fisheries (BSc ASF)**

(i) Direct Entry (Form VI) Qualifications

Two Principal passes in Biology and any of the following subjects: Chemistry, Nutrition, Agriculture, Physics and Geography.

(ii) Equivalent Qualifications

This programme will also admit candidates with 1<sup>st</sup> and 2<sup>nd</sup> class diploma in an appropriate field of Biology.

#### **Bachelor of Science in Beekeeping Science and Technology**

(i) Direct Entry (Form VI) Qualifications

Two Principal passes in Biology and any of the following fields Chemistry, Nutrition, Agriculture, Physics and Geography.

(ii) Equivalent Qualifications

Diploma in an appropriate field of Biological Sciences such as Beekeeping, Agriculture, Fisheries, Wildlife Management and Forestry of not less than second class or grade B from recognized institutions

#### **Bachelor of Science in Agricultural Engineering and Mechanization**

(i) Direct Entry (Form VI) Qualifications

Two Principal passes in Mathematics and Physics.

(ii) Equivalent Qualifications

Diploma in relevant fields of technical education (NTA 6) such as Diploma in Civil Engineering, Mechanical Engineering, Electrical Engineering, Water Resources and Mining Engineering of not less than second class or grade B from recognized institutions.

#### **Bachelor of Science in Food Science and Technology**

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

(ii) Equivalent Qualifications: Diploma in an appropriate field of Biological Sciences such as Beekeeping, Agriculture, Fisheries, Wildlife Management and Forestry of not less than second class or grade B from recognized institutions. A credit in Mathematics at “O level” and a subsidiary pass at “A level” is compulsory.

#### **Bachelor of Science in Agricultural and Natural Resources Economics and Business**

(i) Direct Entry (Form VI) Qualifications: Two Principal passes in Economics, Commerce, Agriculture, Geography and Mathematics

(ii) Equivalent Qualifications: Diploma in relevant fields of not less than second class or grade B from recognized institutions

### COLLEGE OF ENGINEERING AND TECHNOLOGY

(i) Direct Entry (Form VI) Qualifications

For *ALL degree programmes in CoET, except BSc in Petroleum Engineering, BSc in Textile Design and Technology and BSc Architecture:*

Passes of at least 'D' grade at A-Level in Mathematics and Physics, and at least a Subsidiary Pass in Chemistry at ACSEE or a Credit pass at CSEE

### **Bachelor of Science in Petroleum Engineering**

Passes of at least 'D' grade at A-Level in Mathematics and Physics, and at least a Subsidiary Pass in Chemistry at ACSEE

### **Bachelor of Science in Textile Design and Technology**

Two passes of at least 'D' grade at A-Level in any Science subjects or two passes of at least 'D' grade at A-Level in Arts subjects, including Fine Art (except Religious studies). In addition, applicants must have a pass at CSEE in Mathematics and Chemistry.

### **Bachelor of Architecture**

Two passes of at least 'D' grade at A-Level in any of the following subjects: Physics, Chemistry, Biology, Mathematics, Geography and Fine Arts at ACSEE. Applicants without at least a "D" grade pass in Mathematics at ACSEE level must have either a Subsidiary level pass at ACSEE or Credit pass in Mathematics at CSEE level.

#### (ii) Equivalent Qualifications

##### ***For ALL degree programmes in CoET, except the Bachelor of Architecture***

An appropriate equivalent diploma or certificate from a recognized institution and approved by the UDSM Senate, with at least a "C" grade in Mathematics and an overall average grade of "B" in the results of the respective final examinations. For diplomas that are further classified into "B" and "B+", applicants must have an overall average grade of "B+" in the results of the respective final examinations.

### **Bachelor of Architecture**

An appropriate equivalent diploma or certificate from a recognized institution and approved by the UDSM Senate, with an overall average grade of "B" in the results of the respective final examinations. For diplomas that are further classified into "B" and "B+", applicants must have an overall average grade of "B+" in the results of the respective final examinations.

## **COLLEGE OF HUMANITIES (CoHU)**

### **Bachelor of Arts (History)**

#### (i) Direct Entry (Form VI) Qualifications

Two or more principal level passes, one of which must be in History.

#### (ii) Equivalent Qualifications

Diploma in Arts, Teaching with History, Library, Records Management, Heritage recognized by UDSM Senate of GPA not less than 3.5 or B grade or distinction.

### **Bachelor of Arts (Archaeology)**

#### (i) Direct Entry (Form VI) Qualifications

Two or more principal level passes in Arts and Science subject combinations at the ACSEE level.

#### (ii) Equivalent Qualifications

Diploma in Arts, Social Sciences, Architecture, Geology, Education, Heritage Management, recognized by UDSM Senate of GPA not less than 3.5 or B grade or distinction.

### **Bachelor of Arts in History and Political Science**

- (i) Direct Entry (Form VI) Qualifications  
Two Principal level passes, one of which must be in History
- (ii) Equivalent Qualifications  
Diploma in Arts, Social Sciences, Teaching with History, Library, Records Management, Heritage recognized by UDSM Senate of GPA not less than 3.5 or B grade or distinction.

### **Bachelor of Arts (Heritage Management)**

- (i) Direct Entry (Form VI) Qualifications  
Two or more principal level passes one of which must be in History
- (ii) Equivalent Qualifications  
Diploma in Arts, Heritage, Architecture, Teaching, Library, Social Studies, Records Management, Tourism, Law, Wildlife, recognized by UDSM Senate, of 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 level passes, one of which must be in History
- (ii) Equivalent Qualifications  
Diploma in History, Heritage Management, Tourism, Hospitality, Archives, Museum, Archaeology, and Wildlife Conservation of not less than 3.5 GPA obtained from a recognised institution.

### **Bachelor of Arts (Language Studies)**

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes in language subjects.
- (ii) Equivalent Qualifications  
Diploma in Arts, and Teaching with Language subjects, recognized by UDSM Senate of GPA not less than 3.5 or B grade or distinction.

### **Bachelor of Arts (Literature)**

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes in language subjects
- (ii) Equivalent Qualifications  
Diploma in Arts, Teaching with English subject, recognized by UDSM Senate of GPA not less than 3.5 or B grade or distinction.

### **Bachelor of Arts in Music**

- (i) Direct Entry (Form VI) Qualifications  
Two principal passes in Arts subjects at the ACSEE level
- (ii) Equivalent Qualifications  
Diploma in Music or related fields of GPA not less than 3.5 or B grade or distinction

### **Bachelor of Arts in Art and Design**

- (i) Direct Entry (Form VI) Qualifications  
Two principal passes in Arts subjects at the ACSEE level
- (ii) Equivalent Qualifications  
Diploma in Art and Design or related fields of GPA not less than 3.5 or B grade or distinction

**Bachelor of Arts in Film and Television**

- (i) Direct Entry (Form VI) Qualifications  
Two principal passes in Arts subjects at the ACSEE level
- (ii) Equivalent Qualifications  
Diploma in Theatre Arts or related fields of GPA not less than 3.5 or B grade or distinction

**Bachelor of Arts in Theatre Arts**

- (i) Direct Entry (Form VI) Qualifications  
Two principal passes in Arts subjects at the ACSEE level
- (ii) Equivalent Qualifications  
Diploma in Theatre Arts or related fields of GPA not less than 3.5 or B grade or distinction

**Bachelor of Arts in Philosophy and Ethics**

- (i) Direct Entry (Form VI) Qualifications  
Any two Principal level passes in Arts or Science subjects
- (ii) Equivalent Qualifications  
Diploma in Philosophy or related fields of GPA not less than 3.5 or B grade or distinction

**Bachelor of Arts in Archaeology and Geography**

- (i) Direct Entry (Form VI) Qualifications  
Two Principal level passes in History and Geography
- (ii) Equivalent Qualifications  
Diploma in Arts, Geography, Environment, History, Sociology, Social Work of GPA not less than 3.5 or B grade or distinction

**Bachelor of Arts with Education (Chinese and English Language)**

- (i) Direct Entry (Form VI) Qualifications  
Two Principal passes in Arts subjects of which one must be in English.
- (ii) Equivalent Qualifications  
Diploma in Chinese Language of GPA not less than 3.5 or B grade or distinction.

**Bachelor of Arts in Diplomatic and Military History**

- (i) Direct Entry (Form VI) Qualifications  
Two principal passes in Arts and Science subjects, and those without a subsidiary in History and Languages must have a credit at O Level.
- (ii) Equivalent Qualifications  
An upper second class diploma (GPA 3.5) or an average of B+, if not classified. The diploma shall be in Diplomacy, Security and Strategic Studies, War, Military, International Relations, Public Administration, Law, Peace Building and Conflict and Conflict Resolution.

**Bachelor of Arts in Communication Studies**

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes in Arts or Science, a credit in English at “O” Level is mandatory
- (ii) Equivalent Qualifications  
Diploma in Communication Studies or any other relevant field (such as Public Relations, Education, Management, Tourism, Journalism and Mass Communication) of not less than 3.5 GPA obtained from a recognised institution.

### **Bachelor of Arts with Education**

- (i) Direct Entry (Form VI) Qualifications  
Two or more principal level passes in two teaching subjects one of which must be in Arts
- (ii) Equivalent Qualifications  
Diploma in Education with two Arts subjects with GPA not less than 3.5 or B grade or distinction

### **COLLEGE OF INFORMATION AND COMMUNICATION TECHNOLOGIES (CoICT)**

Bachelor of Science in Computer Science; Bachelor of Science in Electronic Science and Communication; Bachelor of Science in Computer Engineering and Information Technology, Bachelor of Science in Telecommunication Engineering and Bachelor of Science in Business Information Technology.

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes at A-Level in Physics and Mathematics
- (ii) Equivalent Qualification  
An appropriate equivalent Diploma with a G.P.A not less than 3.5 or an average grade of 'B+' or higher.

### **Bachelor of Science in Business Information Technology**

- (i) Direct Entry (Form VI) Qualifications  
Principal level passes in Mathematics, Physics, Economics or Statistics
- (ii) Equivalent Qualifications  
Appropriate Diploma with a G.P.A not less than 3.5 or B+ grade or distinction

### **COLLEGE OF NATURAL AND APPLIED SCIENCES (CoNAS)**

#### **Bachelor of Science in Chemistry and Physics**

- (i) Direct Entry (Form VI) Qualifications  
Principal level passes in Chemistry and Physics in addition an applicant MUST have passes in chemistry physics and mathematics at O' Level.
- (ii) Equivalent Qualifications  
Diploma in Chemistry Physics and related fields of at least an upper second class award (GPA of at least 3.5 out of 5) from a recognized colleges as approved by the UDSM Senate.

#### **Bachelor of Science in Applied Microbiology and Chemistry**

- (i) Direct Entry (Form VI) Qualifications  
Principal level passes in Chemistry and Biology
- (ii) Equivalent Qualifications  
Diploma in Biological Sciences, Nursing, Public Health, Clinical Medicine, Pharmaceutical Studies or Medical Laboratory Sciences with an average of "B+"" or a minimum GPA of 3.5.

#### **Bachelor of Science in Mathematics and Statistics**

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes at A-Level in Chemistry and Biology, Physics, Mathematics, Nutrition or Geography
- (ii) Equivalent Qualifications  
Diploma in Mathematics, Statistics, Economics or other relevant discipline of not less than

second-class with GPA not below 3.5 and a grade in Statistics or Mathematics or Quantitative Methods of C or better, to be approved by the Senate.

#### **Bachelor of Science in Chemistry**

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes at A-Level in Chemistry and Biology, Physics, Mathematics, Nutrition or Geography.
- (ii) Equivalent Qualifications  
An appropriate equivalent Diploma approved by the UDSM Senate, with an average grade of 'B+' or higher.

#### **Bachelor of Science in Applied Zoology; Bachelor of Science in Botanical Sciences; Bachelor of Science in Microbiology; Bachelor of Science in Molecular Biology and Biotechnology; Bachelor of Science in Wildlife Science and Conservation**

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes at A-Level in Biology and Chemistry, Physics, Mathematics, Nutrition, Agriculture or Geography.
- (ii) Equivalent Qualifications  
An appropriate equivalent Diploma approved by the UDSM Senate with an average grade of 'B+' or higher.

#### **Bachelor of Science with Education**

- (i) Direct Entry (Form VI) Qualifications  
Two principal level passes at A-Level in any of the following subjects: Physics, Chemistry, Mathematics, Biology and Geography.
- (ii) Equivalent Qualifications  
An appropriate equivalent Diploma with an average grade of 'B+' or higher. Passes in Teaching Methodology courses will not be considered.

#### **Bachelor of Science in Geology, Bachelor of Science in Engineering Geology, Bachelor of Science in Petroleum Geology and Bachelor of Science in Geology and Geothermal Resources**

- (i) Direct Entry (Form VI) Qualifications  
Principal level passes at A-Level in Physics, Chemistry and Mathematics.
- (ii) Equivalent Qualifications  
An appropriate equivalent Diploma with an average grade of 'B+' or higher obtained at the same sitting.

#### **Bachelor of Science in Geophysics**

- (i) Direct Entry (Form VI) Qualifications  
Principal level passes at A-Level in Physics and Mathematics.
- (ii) Equivalent Qualifications  
Diploma in Physical Sciences, Mineral and Water Resources, and related fields with a GPA NOT less than 3.5 from recognised Colleges as approved by the UDSM senate.

### **Bachelor of Science with Geology**

- (i) Direct Entry (Form VI) Qualifications  
Principal level passes at A-Level in any two of the following: Physics, Chemistry, Mathematics, Biology and Geography.
- (ii) Equivalent Qualifications  
An appropriate equivalent Diploma with an average grade of 'B+' or higher obtained at the same sitting.

### **Bachelor of Science in Actuarial Sciences**

- (i) Direct Entry (Form VI) Qualifications  
Principal level passes at A-Level in any two subjects one of which must be in Advanced Mathematics.
- (ii) Equivalent Qualifications  
Ordinary diploma approved by the Senate in Mathematics, Statistics or other relevant discipline of not less than upper second-class and a grade in Statistics or Mathematics or Quantitative Method of C or better;

OR

Advanced diploma approved by the Senate in Mathematics, Statistics or other relevant discipline with a grade in Statistics or Mathematics or Quantitative Method of C or better

### **COLLEGE OF SOCIAL SCIENCES (CoSS)**

- (i) Direct Entry (Form VI) Qualifications

#### **Bachelor of Arts (Economics or Economics with another subject)**

Two or more principal level passes, one of which must be in Economics. In addition, one must have at least a Subsidiary pass in Mathematics at ACSEE or a grade of 'C' or better at CSEE.

#### **Bachelor of Arts (Statistics or Statistics with another subject)**

Two or more principal level passes, one of which must be in Advanced Mathematics

#### **Bachelor of Arts (Geography and Environmental Studies or Geography with another subject)**

Two or more principal level passes, one of which must be in Geography

### **Other Bachelor of Arts Programmes**

- (i) Direct Entry (Form VI) Qualifications  
Two or more principal level passes in Artssubjects.
- (ii) Equivalent Qualifications  
An appropriate Diploma, recognised by the UDSM Senate, of not less than Upper Second class or Distinction.

### **Bachelor of Arts with Education**

- (i) Direct Entry (Form VI) Qualifications  
Two or more principal level passes in two teaching subjects one of which must be in Social Sciences
- (ii) Equivalent Qualifications  
At least, 2<sup>nd</sup> Class upper or 'B+' average Diploma in either Teacher Education or Adult

Education with 'B+' (or 60% marks) average in two teaching subjects. Passes in Teaching Methodology courses will not be considered.

### **UNIVERSITY OF DAR ES SALAAM BUSINESS SCHOOL (UDBS)**

Bachelor of Commerce in Accounting; Bachelor of Commerce in Banking and Financial Services; Bachelor of Commerce in Finance; Bachelor of Commerce in Human Resources Management; Bachelor of Commerce in Marketing; Bachelor of Commerce in Tourism Management.

(i) Direct Entry (Form VI) Qualifications

Two or more principal level passes in all Commercial, Science and Arts combinations except Religious studies. In addition, one must have at least a Subsidiary pass in Mathematics at ACSEE or a grade of 'C' or better at CSEE. Preferential consideration will be accorded to applicants with passes in commercial based subjects in the event of a tie.

(ii) Equivalent Qualifications

(a) Ordinary Diploma of not less than Upper Second class standing, approved by the UDSM Senate. The grade in Statistics, Mathematics or Quantitative Methods in the Diploma should be 'C' or better or at least a 'C' in Mathematics at CSEE.

(b) No classification is required for Advanced Diploma. The grade in Statistics, Quantitative Methods or Business Mathematics in the Advanced Diploma should be 'C' or better or a grade of 'C' or better in Mathematics at CSEE.

### **SCHOOL OF EDUCATION (SoED)**

Bachelor of Education (Adult and Community Education); Bachelor of Education (Psychology);

#### **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

An appropriate equivalent Diploma in Education with an overall grade of 'B+' OR possession of an Adult Education Diploma from the Institute of Adult Education, Dar es Salaam or Agency for the Development of Educational Management (ADEM) Institute, Bagamoyo with passes at an overall grade of 'B+' or better. Passes in Teaching Methodology courses will not be considered.

#### **Bachelor of Education (Physical Education and Sport Sciences)**

(i) Direct Entry (Form VI) Qualifications

Two or more principal level passes with skills in any sport or game having an advantage. In addition, one should have at least a 'C' grade in Biology at CSEE and pass a Physical Fitness Test (PFT) administered by the Department of Physical Education, Sport and Culture of the University of Dar es Salaam a week prior to orientation week.

(ii) Equivalent Qualifications

A Diploma in Physical Education or in Education with a minimum overall grade of 'B+' as well as a Credit pass in Biology at CSEE. Candidates should pass a physical fitness test administered by the Department of Physical Education, Sport and Culture of the University of Dar es Salaam.



### **Bachelor of Education (Commerce)**

(i) Direct Entry (Form VI) Qualifications

Two principal level passes in Commercial subjects i.e. Mathematics, Accountancy, Economics and Commerce.

(ii) Equivalent Qualifications

A relevant Diploma approved by the UDSM Senate with at least a 'B+' grade average and a Credit pass in Mathematics at CSEE Passes in Teaching Methodology courses will not be considered.

### **UNIVERSITY OF DAR ES SALAAM SCHOOL OF LAW (UDSoL)**

#### **Bachelor of Law**

(i) Direct Entry (Form VI) Qualifications

Any two or more principal level passes. In addition, candidates who do not have principal passes in History and English at ACSEE must have credit passes in the two subjects at CSEE.

(ii) Equivalent Qualifications

An appropriate Diploma obtained in not less than two years of study from an accredited/recognised institution of higher learning of not less than Upper Second Class and approved by the UDSM Senate.

OR

A Certificate in Law of the University of Dar es Salaam passed with distinction.

OR

A Bachelor Degree from a recognised University in a discipline other than Law with the exception of Bachelor of Divinity or Islamic Studies.

**NB:** On completion of the 4 years at UDSM, students are required to proceed to internship or 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

Any two or more principal level passes. In addition, candidates who do not have principal passes in History and English at ACSEE must have Credit passes in the two subjects at CSEE.

(ii) Equivalent Qualifications

A Diploma relevant to the law enforcement discipline of not less than Upper Second Class obtained from an accredited/recognised law enforcement institution and approved by the UDSM Senate.

OR

A Certificate in Law of the University of Dar es Salaam passed with distinction.

## **SCHOOL OF JOURNALISM AND MASS COMMUNICATION (SJMC)**

Bachelor of Arts in Journalism; Bachelor of Arts in Mass Communication and Bachelor of Arts in Public Relations and Advertising

(i) Direct Entry (Form VI) Qualifications

Two Principal level passes at C grade or higher and a credit pass in English at CSEE

(ii) Equivalent Qualifications

An appropriate equivalent Diploma of not lower than Upper Second Class level from a recognised (accredited) institution offering journalism or mass communication courses.

## **MBEYA COLLEGE OF HEALTH AND ALLIED SCIENCES (MCHAS)**

### **Doctor of Medicine**

(i) Direct Entry (Form VI) Qualifications

Three principal passes at “C” grade or higher at A-level in the following subjects. Chemistry, Biology and Physics/Mathematics. Preference will be given to applicants with “B” Grade or above in Chemistry or Biology in that order. Candidate with “D” in Physics/Mathematics at A-level provided they have “B” or higher in Chemistry or Biology

(ii) Equivalent Qualifications

(a) 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 Diploma in Clinical Medicine with an average of B+ or GPA 3.5 OR BSc (Lower Second) majoring in Physics/Mathematics, Chemistry, and Biology/Zoology.

(b) Principal level passes in Physics/Mathematics, Chemistry or Biology at “A” level will be an added advantage

## **DAR ES SALAAM UNIVERSITY COLLEGE OF EDUCATION (DUCE) AND MKWAWA UNIVERSITY COLLEGE OF EDUCATION (MUCE)**

### **Bachelor of Arts with Education**

Same qualifications as appearing under the College of Arts and Social Sciences

### **Bachelor of Science with Education**

Same qualifications as appearing under the College of Natural and Applied Sciences

### **Bachelor of Education (Arts)**

(i) Direct Entry (Form VI) Qualifications

Two or more Principal level passes in two arts teaching subjects

(ii) Equivalent Qualifications

An appropriate equivalent Diploma in Education with an overall grade of ‘B+’ or possession of an Adult Education Diploma from the Institute of Adult Education, Dar es Salaam or Agency for the Development of Educational Management (ADEM) Institute,

Bagamoyo with passes at an overall grade of 'B+' or better. Passes in Teaching Methodology courses will not be considered.

**Bachelor of Education (Science)**

(i) Direct Entry (Form VI) Qualifications

Two principal level passes at A-Level in any of the following subjects: Physics, Chemistry, Mathematics and Biology

(ii) Equivalent Qualifications

An appropriate Diploma in Education recognised by the UDSM Senate, with an overall grade of 'B'+ or better in science subjects. Passes in teaching methodology courses will not be considered.

## 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 transfer at 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 officer in-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 in their 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 August/September of each year unless otherwise specified.
7. At the end of the academic year, they have to sit for University examinations. They may also sit for supplementary examinations in the courses they failed.
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 students will be paid proportionately as for regular students. Non-Tanzanian students will pay the fees in convertible foreign currency (e.g. US\$, -, etc.).

## 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 pay the fees in convertible foreign currency (e.g. US\$).

### **All correspondences should be addressed to:**

The Director of Undergraduate

Studies, P. O. Box 35091,

Dar es Salaam, Tanzania.

E-mail: [dus@admin.udsm.ac.tz](mailto:dus@admin.udsm.ac.tz)

Tel: +255-22-2410544/+255 22 2410545/+255 22 2410513 or +255 22 2410500-9 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 The Dean of a School, Principal of a College or the Director of a teaching Institute may bar any candidate from being admitted to any examination in any subject or course where the Dean, Principal or Director is not satisfied that the candidate has completed satisfactorily by attendance, performance or otherwise the requirements of the subject of course. Satisfactory attendance shall mean attending a minimum of 75% of the prescribed contact hours for the course.
- 3.2 Candidates are required to complete coursework before they can be allowed to sit for the University Examination.
- 3.3 Where a candidate who has been barred in accordance with paragraph 3.1 or 3.2 enters the examination room and sits for the paper, his/her results in the paper shall be declared null and void.
- 3.4 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 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.



- 3.5 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 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/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.

#### **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 in any 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 to be determined by the Senate or in particular cases by the relevant College/School/ Institute Board, as the case may be, which shall not be less than one month after the ordinary examinations at the end of the second semester in the academic year.

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 such examinations.

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 specific requirements of particular degree, diploma, certificate or other award programmes of the College, School or academic Institute, as the case may be.

## **9. Examination Irregularities**

9.1 All cases of alleged examination irregularities, including alleged unauthorized absence from examination, possession of unauthorized material in the examination room, causing disturbances in or near any examination room and any form of or kind of dishonesty, destruction or falsification of any evidence of irregularity or cheating in examination, shall be reported to the Senate Undergraduate Studies Committee or to a College Academic Board/ Committee, which Committee/Board shall have power to summon the students and members of staff of the University, as it deems necessary and make decisions, subject to confirmation by Senate.

9.2 No unauthorized materials shall be allowed into the examination room.

9.3 Subject to confirmation by Senate, 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 forthwith from studies in the University.

9.4 Any candidate found guilty of cheating 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, subject to confirmation by Senate.

9.5 Any candidate found guilty of causing disturbance in or near any examination room 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, subject to confirmation by Senate.

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

9.7 In this regulation:

- (a) "Unauthorized material" includes any written or printed material that is generally or specifically prohibited from being brought into the examination room, cellular or mobile phones, radios, radio cassette or other types of players, computers, soft drinks (except where water is permitted) and alcoholic drinks and any other material as maybe specified from time to time by the DVC in charge of academics, the Principal of College, Dean of a School, Director of an academic Institute or Head of an academic department;
- (b) "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 authorization or permission of the invigilator or one of the invigilators for the examination in question; and

- (c) “Cheating in examination” includes any form or kind of dishonesty or destruction or falsification of any evidence of irregularity.

9.8 The Senate may impose such a lesser penalty on a candidate found guilty of commission of an examination Irregularity, depending on the gravity of the facts or circumstances constituting the offence, as the Senate may deem appropriate.

### **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 students and 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 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.

11.2 A candidate may be allowed to re-sit failed courses in Supplementary Examinations if he or she has attained an overall GPA of 1.8 or above in the First Sitting calculated in accordance with the credit weighting of individual courses. The maximum grade obtainable in a Supplementary Examination shall be the minimum passing grade i.e. ‘C’.

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) 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 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.
  - (c) The maximum grade for a carried over course shall be the minimum passing grade i.e. 'C'.
  - (d) Carryover of elective courses will only be allowed in exceptional circumstances, normally only when those credits are needed to comply with regulation 11.8.
  - (e) 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.
- 11.5 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.
- 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 and
  - (c) 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 upon 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 academics may authorise 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 date of 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 arose; 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 scheduled 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 appeal shall 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**

- (a) All appeals shall be accompanied by an appeal fee charged per decision or subject as the Council may from time to time prescribe.
- (b) The appeal fee shall not be reimbursed.
- (c) 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 than 13 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 earmarked for 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 remain inviolate.

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 permitted 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 allowed to 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 instructors. Course instructors shall only be allowed in the examination room in the first ten minutes to provide clarifications on the examination questions, if any.
- 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 by candidates.

**Note:**

Sealed envelopes containing question papers must be personally collected by each invigilator 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 cover page of the answer book before they start to write the examination.
  - 22.7 Food, drinks (except where water is permitted - 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 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, 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 from the 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 ensure that 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 is at 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 as the 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 must be 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 full period of their absence, they have been under approved supervision.
- 22.19 Permission to leave the examination room shall be granted in exceptional circumstances as 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 hand over all the scripts to the Internal Examiners (or their deputies) that must be present in the 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 of the relevant Department.

### **23. General Notes and Instructions**

- 23.1 Internal Examiners (or their deputies) are required to attend in the examination rooms at 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 facilities for ‘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 evidence of sponsorship 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 Information 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 Tanzanian and Non-Tanzanian Nationals

Cluster	Tuition fees for Tanzanian Nationals (TZS\$)	Tuition fees for full time year for Non- Tanzanian Nationals (USD)	Hosting Academic Unit	Degree / Programme
1	1,000,000	2,100	CoSS, CoHU, DUCE, MUCE	BA in Heritage Management, Music, Art and Design, Theatre Arts, Film and Television Language Studies, Literature, Philosophy and Ethics, Anthropology, History, Statistics, Psychology, Communication Studies, Bachelor of Arts with Education, Bachelor of Education in Arts
			IDS, IKS	Development Studies, Kiswahili
			SoEd	BEd in Adult & Community Education, Commerce, Early Childhood Education, Psychology, Physical Education and Sport.
2	1,100,000	2,700	CoET	BSc in Geomatics, Quantity Surveying



<b>Cluster</b>	<b>Tuition fees for Tanzanian Nationals (TZS)</b>	<b>Tuition fees for full time year for Non- Tanzanian Nationals (USD)</b>	<b>Hosting Academic Unit</b>	<b>Degree / Programme</b>
3	1,300,000	2,700	CoSS, Library,  CoHU	BA in Archaeology, History and Archaeology, History and Political Science, Archaeology and Geography, Diplomatic and Military History, Geography and Environmental Studies, Economics, Political Science and Public Administration, Sociology, Economics & Statistics, Social Work, Library and Information Studies
			SJMC	BA in Journalism, Mass Communication, Public Relations and Advertising
			SoEd, DUCE, MUCE	Bachelor of Education (BAEd) in Science, BSc with Education
			UDBS	BCommerce (except Accounting)
			CoET	All programmes (except Geomatics and Quantity Surveying)
			CoNAS	All programmes
			IMS	BSc Marine Sciences
			CoAF	All Programmes
			UDSoL	BA in Law Enforcement
			4	1,500,000
UDSoL	LLB			
CoICT	BSc in Electronic Science and Communication, Computer Science, Computer Engineering and Information Technology, and Telecommunication Engineering, Business Information Technology, BSc in Electronics Engineering			
5	1,800,000	5,672	MCHAS	Doctor of Medicine



### 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
SoED	School of Education
CoET	College of Engineering and Technology
UDSoL	University of Dar es Salaam School of Law
MCHAS	Mbeya College of Health and Allied Sciences
CoAF	College of Agricultural Sciences and Fisheries 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
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)

Item	Cost	
	Tanzanians (TZS)	Non-Tanzanians (USD)
ID fee	5,000	5
Registration (once)	5,000	100
Examination Fee	12,000	120
Medical Capitation Fees	50,400	125
Student Union Fee	5,000	15
TCU Quality Assurance Cost	20,000	10
<b>Total</b>	<b>97,400</b>	<b>375</b>

**Direct Students' Costs (Payable Directly to Students)**

<b>Item</b>	<b>Cost (TZS)</b>
Books and Stationery Allowance*	200,000
Meal and Accommodation Allowance*	2,099,000
<b>Total</b>	<b>2,299,000</b>

\*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. 800.00 per student per day × 119 days per each semester (Undergraduate Students)

### Off Campus Halls/Hostels

TZS. 500.00 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
<b>College of Natural and Applied Sciences</b>				
AQ 218	1 week	Various	January	Field Course
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
GY 265	4 weeks	Various	June	
GY 355	4 weeks	Various	June	
GY 485	4 weeks	Various	June	
MC 2 <sup>nd</sup> Yr	*8weeks	Various	June	
MT 399	Throughout	DSM	December	Dissertation
PH 369	Throughout	DSM	December	Dissertation
WS 100	*8weeks	Various	June	
WS 200	*8weeks	Various	June	
<b>College of Information and Communication Technologies</b>				
ES 140	*8 weeks	Various	June	
ES240	*8 weeks	DSM	December	Dissertation
ES 335	Throughout	Various	June	
IS 1 <sup>st</sup> Yr IS2 <sup>nd</sup> Yr	*8 weeks	Various	June	
IS 335	Throughout	DSM	December	Dissertation

Code	Duration	Location	Timing	Remarks
<b>College of Engineering and Technology</b>				
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
<b>College of Agricultural Sciences and Fisheries Technology</b>				
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 2 <sup>nd</sup> Yr	*8 weeks	Various	June	Field Report
AQ 200	*8 weeks	Various	June	Field Report
AQ 300	*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
AQ 399	Throughout	DSM	October	Research Report
EC 384	Throughout	DSM	October	Research Report

<b>Code</b>	<b>Duration</b>	<b>Location</b>	<b>Timing</b>	<b>Remarks</b>
AV 399	Throughout	DSM	October	Research Report
AT 399	Throughout	DSM	October	Research Report
<b>College of Social Sciences</b>				
EC 374	3 weeks	DSM	January	Dissertation
GE 230	3 weeks	Mbeya	January	Dissertation
GE 399	3 weeks	Various	January	Dissertation
P S 399	3 weeks	Various	January	Dissertation
P T 2 <sup>nd</sup> Yr	3 weeks	Various	June	
SO 399	3 weeks	Various	January	Dissertation
S T 218	3 weeks	Various	January	Dissertation
<b>College of Humanities</b>				
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 2 <sup>nd</sup> 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
<b>University of Dar es Salaam School of Law</b>				
LW 305	*8 weeks	Various	January	Dissertation
<b>University of Dar es Salaam School of Education</b>				
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
<b>University of Dar es Salaam Business School</b>				
**BM 333	* 8 weeks	Various	PT Session	
<b>Mbeya College of Health and Allied Sciences</b>				
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) Radius/Nuts Template Geometry Set Workshop Overalls Workshop Boots
SoED	CT 200	Teaching and Learning Aids Manila Papers (A1) 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 Suit, Shorts, T-Shirt s, Soccer Boots, Swimming Costume
	BEd (Sc.) 1	Laboratory Coat, Gloves, Dissecting Kit, Protective Eye glasses, Mouth Mask
	BEd (Sc.) 2	Gloves, Mouth Mask
	BEd (Sc.) 3	Gloves, Mouth Mask
	BEd (Sc.) 4	Gloves, Mouth Mask
CoNAS	BSc (ChemPhys)1: BSc (ApplMicChem)1	Laboratory Coat, Gloves, Dissecting Kit, Protective Eye glasses, Mouth Mask
	BSc (ChemPhys)2: BSc (ApplMicChem)2	Gloves, Mouth Mask
	BSc (ChemPhys)3: BSc (ApplMicChem)3	Gloves, Mouth Mask
	BScEd1	Laboratory Coat, Gloves, Dissecting Kit, Protective Eye glasses, Mouth Mask

	BScEd2	Gloves, Mouth Mask
	BScEd3	Gloves, Mouth Mask
	BScEd4	Gloves, Mouth Mask
	BSc (Geol.) 1	Laboratory Coat, Gloves Protective Eyeglasses Drawing Set, Gum Boots, Field Boots, Raincoat
	BSc (Geol.) 2	Gloves, Mouth Mask
	BSc (Geol.) 3	Gloves, Mouth Mask
	BSc (Elect) 1	Tem plate Set
	BSc (Elect) 2	Laboratory Coat Electronic Tool Kit
	BSc (Elect) 3	Electronic Tool Kit
	BSc (Gen) 2	Laboratory Coat, Electronic Component Kit
	BSc (A Q)	Gloves
	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 Mask
	BSc (Mol.)	Laboratory Coat, Gloves Laboratory, Timer, Protective Eye Glasses, Mouth Mask
	BSc (MB) 2	Gum Boots, swimming costume, gloves
	B.S c(Gen) 3	Electronic component Kit
	BSc (MB) 2	Gum boots, Swimming costume, Gloves
	BSc (MB) 3s	Glove
	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 coat, truck suit, theatre costumes Digital Video camera, professional light kit, sound kit, editing software and hardware, dvds
UDSoL	LLB 1	Basic Teaching Materials
<p><b>Note:</b> For PE 203, 30 5 and PE 4<sup>th</sup> Year, Special School Requirements acquired in the 1<sup>st</sup> Year should be used in subsequent years. For students in CoNAS, non –consumable items acquired in the 1<sup>st</sup> Year should be used in subsequent years.</p>		
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 (A1), 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 suit, Shorts, T-shirts, Soccer Boots, Swimming costume
	BEd (Sc.) 1 <sup>st</sup> and 2 <sup>nd</sup> Year	Laboratory coat, Gloves, Dissecting kit, Protective Eye Glasses, Mouth Mask
CoAF	BSc AQ 1 <sup>st</sup> Year	Laboratory Coat, Gloves Dissecting Kit, Protective



		Eyeglasses, Mouth Mask, Snorkel and Mask, Rubber Shoes, Rain coat
	BSc AQ 2 <sup>nd</sup>	Gloves, Mouth Mask
	BSc FST 1 <sup>st</sup> Year	Laboratory Coats, Laboratory Gloves (box), Protective eyeglasses, Mouth masks
	BSc FST 3 <sup>rd</sup> Year	Laboratory Coats, Laboratory Gloves (box), Protective eyeglasses, Mouth masks
	BSc BST 1 <sup>st</sup> Year	Bee Overall, Bee Gloves, Bee veil + hat, Gum Boots, Laboratory Coat, Laboratory Gloves (box), Mouth masks
	BSc BST 2 <sup>nd</sup> Year	Laboratory Gloves (box), Dissecting kit
	BSc AEM	Workshop Blue Overalls, Workshop Boots, Workshop BlueDust Coat, Light blue L/S Shirt, Blue Jungle Hat
	BSc AMC	Lab coat, Gum Boots, Rain coat, Boiler suit
MCHAS	MD Programme 1 <sup>st</sup> year	Laboratory white coat, Gloves, Anatomical Models, Preserved Human Cadavers, Audiovisual Instruments, Stethoscope, Face Masks, Dissection Kits, Surgical Blades
<b>Note:</b> PE 203, PE 305 and PE 4 <sup>th</sup> Year Special School Requirements acquired in the first year should be used in subsequent years		

**Key:**

CoAF	College of Agricultural Sciences and Fisheries 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
CoAF	College of Agricultural 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

### COLLEGE OF AGRICULTURAL SCIENCES AND FISHERIES TECHNOLOGY (CoAF)

#### INTRODUCTION

The College of Agricultural Sciences and Fisheries Technology (CoAF) comprises five departments, namely: Aquatic Sciences and Fisheries Technology, 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 Aquatic Sciences and Fisheries (BSc ASF)
- (ii) Bachelor of Science in Beekeeping Science and Technology (BSc BST)
- (iii) Bachelor of Science in Crop Science and Technology (BSc CST)
- (iv) 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)

Furthermore, the College offers Aquatic Science as a Major subject in the BSc General programme hosted in the College of Natural and Applied Sciences (CoNAS). The recommended major subject combinations are:

- (i) Aquatic Science with Applied Microbiology
- (ii) Aquatic Science with Chemistry

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.

#### 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-disciplinary 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 Agricultural Sciences and Fisheries Technology as transfer students in accordance with UDSM regulations on students' credit transfer.
- 8 The regulations governing the Aquatic Science Major of the BSc General Programme are provided under the CoNAS regulations.

### **Examination Regulations**

- 9 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.
- 10 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.
- 11 Monitoring of the student progress in each course will be based on the following:

#### 11.1 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

- 11.2 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.
- 12 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 <sup>+</sup>
2.7 – 3.4	=	B	2.0 – 2.6	=	C
1.0 – 1.9	=	D	0.0 – 0.9	=	E

- 13 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.
- 14 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
- 15 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.
- 16 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.
- 17 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.
- 18 Any student who has failed a core course and does not qualify for a supplementary examination shall be discontinued.
- 19 A student not in the final year who obtains a D or an E average in all the core courses shall be discontinued.
- 20 All courses offered in the first and second year shall be compulsory in BSc AEM. Supplementary Examination 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).
- 21 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 a course is failed, the entire course must be repeated.
- 22 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.
- 23 A grade scored in the supplementary examination shall constitute the final grade in the course regardless of the score in the original examination.
- 24 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.
- 25 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.
- 26 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.

- 27 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.
- 28 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.
- 29 Normally, special examinations will be given at the time of supplementary examinations.
- 30 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.
- 31 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.
- 32 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.
- 33 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.
- 34 All courses taken by a student shall be entered in the transcript.
- 35 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 the various research and/or production activities being carried out in different parts of the country;
- (ii) enable the 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 ASF, BSc FST, BSc ANEB, BSc CST, BSc CPT and BSc AMC 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 conclusions 5% and may do oral presentation 5%.
- 4 PT assessment for BSc AEM will be based on the following four items:
  - (a) Employers assessment (5%); (b) Supervisor 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 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 assessment shall be completed before the end of the first semester.

**DEPARTMENT OF AQUATIC SCIENCES AND FISHERIES TECHNOLOGY**

**Bachelor of Science General-Aquatic Sciences (BSc AQS)**

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
AQ 120	Ecology of Lakes and Rivers	12	1	Core
AQ 123	Swimming and Survival in Water	-	2	Core
AQ 124	Marine Benthic Ecology	8	2	Core
AQ 121	Introduction to Fisheries Science and Technology	8	1	Core
CL 107	Communication Skills for Sciences Students	12	1	Elective
WS 101	Ecology and Utilization of Natural Resources	8	2	Elective
BL 111	Introductory Cell Biology and Genetics	12	1	Core
AQ 122	Introduction to Aquaculture	8	2	Core
<b>Second Year</b>				
AQ 200	Practical Training I	8	1	Core
AQ 224	Plankton Systematics and Ecology	12	2	Core
AQ 231	Marine Biogeochemistry	8	1	Core
AQ 232	Fish Population Dynamics and Stock Assessment	12	1	Core
AQ 234	Mangrove, Sea Grass and Seaweed Ecology	12	1	Core
AQ 221	Estuarine and Wetland Ecology	12	2	Elective
AQ 233	Physical and Geological Processes in the Oceans	8	2	Elective
<b>Third Year</b>				
AQ 235	Coral Reef Ecosystem	8	2	Core
AQ 307	Law of the Sea and Inland Waters	8	2	Core
AQ 320	Watershed Management	8	1	Core
AQ 342	Fisheries Resource Management	12	2	Core
AQ 348	Aquatic Pollution and Control	8	1	Core
AQ 347	Aqua Business	12	1	Elective
AQ 399	Research Project	12	1	Elective
BL 314	Biostatistics II	8	2	Elective

**Bachelor of Science in Aquatic Sciences and Fisheries (BSc ASF)**

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
AQ 120	Ecology of Lakes and Rivers	12	1	Core
AQ 121	Introduction to Fisheries Science and Technology	8	1	Core
AQ 122	Introduction to Aquaculture	12	2	Core

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
AQ 123	Swimming and Survival in Water	-	2	Core
AQ 124	Marine Benthic Ecology	8	2	Core
BL 111	Introductory Cell Biology and Genetics	12	1	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	2	Core
ZL 121	Invertebrate Zoology	8	1	Core
ZL 122	Chordate Zoology	8	2	Core
MC 100	Fundamentals of Microbiology	12	1	Core
CH 113	Chemistry for Life Sciences Students	12	2	Core
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
IS 131	Introduction to Informatics and Microcomputers	8	1	Elective
CL 107	Communication Skills for Science Students	12	1	Elective
WS 101	Ecology and Utilisation of Natural Resources	8	2	Elective
<b>Second Year</b>				
AQ 200	Practical Training I	8	1	Core
AQ 221	Estuarine and Wetland Ecology	12	2	Core
AQ 224	Plankton Systematics and Ecology	12	2	Core
AQ 231	Marine Biogeochemistry	8	1	Core
AQ 232	Fish Population Dynamics and Stock Assessment	12	1	Core
AQ 233	Physical and Geological Processes in the Oceans	8	2	Core
AQ 234	Mangrove, Seagrass and Seaweed Ecology	12	1	Core
AQ 235	Coral Reef Ecosystem	8	2	Core
AQ 236	Fish Taxonomy and Biology	12	1	Core
AQ 237	Fish Ecology	8	2	Core
EV 200	Environmental Science	8	1	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
<b>Third Year</b>				
AQ 300	Practical Training II	8	1	Core
AQ 307	Law of the Sea and Inland Waters	8	2	Core
AQ 320	Watershed Management	8	1	Core
AQ 399	Aquaculture Production Systems	12	11	Core
AQ 340	Genetics, Breeding and Seed Production	12	11	
AQ 341	Feed Production Technology	8	2	Core
AQ 342	Fisheries Resource Management	12	2	Core



Code	Course Title	Credits	Semester	Status
AQ 344	Fisheries Extension Education	8	2	Core
AQ 345	Diseases of Fish	8	1	Core
AQ 346	Fisheries Economics	8	2	Core
AQ 347	Aquabusiness	12	1	Core
AQ 348	Aquatic Pollution and Control	8	1	Core
AQ 399	Research Project	12	1	Core
AQ 331	Contemporary Topics in World Fisheries and Aquatic Sciences	8	2	Elective
AQ 343	Fish Processing Technology	12	1	Elective
AQ 349	Advanced Oceanography	12	1	Elective
MC 209	Water Microbiology	12	1	Elective
BL 314	Biostatistics II	8	2	Elective
WS 311	Tourism and Recreational Management	8	2	Elective

## DEPARTMENT OF CROP SCIENCES AND BEEKEEPING TECHNOLOGY

### Bachelor of Science in Beekeeping Science and Technology (BSc BST)

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
AP 101	Introduction to Beekeeping	8	1	Core
AP 102	Honey Bee Behaviour	8	2	Core
AP 103	Honey Production Technologies	12	2	Core
BT 130	Evolutionary Botany	12	1	Core
BT 113	Introduction to Plant Physiology	8	2	Core
CH 113	Chemistry for Life Sciences Students	12	2	Core
DS 112	Development perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
FS 100	Introduction to Food Science and Technology	8	2	Core
FS101	Introduction to Food Microbiology	12	2	Core
MC 100	Fundamentals of Microbiology	12	1	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
ZL 121	Invertebrate Zoology	8	1	Core
BL 111	Introductory Cell Biology and Genetics	12	1	Elective
BL 113	Ecology I	8	2	Elective
CH118	Basic Analytical and Physical Chemistry	12	1	Elective
CL 107	Communication Skills for Science Students	12	2	Elective
WS 101	Ecology and Utilisation of Natural Resource	8	2	Elective
<b>Second Year</b>				
AP 200	Practical Training I	8	1	Core
AP 201	Honeybee Anatomy and Physiology	12	1	Core

Code	Course Title	Credits	Semester	Status
AP 202	Pollination Ecology	12	2	Core
AP 203	Beekeeping Management	12	2	Core
AP 204	Agro-Forestry	12	2	Core
AP 205	Chemistry of Bee Products	12	1	Core
BT 225	Taxonomy of Higher Plants	12	1	Core
BL 234	Biostatistics I	8	2	Core
BN 232	Food Biotechnology	12	2	Core
MC 206	Food Microbiology and Processing	12	1	Core
ZL 229	Insect Physiology and Pathology	8	2	Core
ZL 236	Introductory Entomology and Parasitology	12	1	Core
BT 215	Introduction to Mycology	8	2	Elective
BT 217	Plant Genetics and Evolution	8	2	Elective
BL 207	Immunology	8	1	Elective
EV 200	Environmental Science I	8	1	Elective
FS 202	Advanced Food Microbiology	12	2	Elective
GY 245	Remote Sensing and GIS	12	2	Elective
SC 215	Scientific Methods	8	1	Elective
<b>Third Year</b>				
AP 300	Practical Training II	8	1	Core
AP 301	Bee Products, Processing Technologies and Value Addition	12	1	Core
AP 302	Honeybee Genetics and Breeding	12	1	Core
AP 303	Legal and Policy Framework in Apiculture	12	2	Core
AP 304	Beekeeping Extension and Marketing	12	1	Core
AP 305	Bee Pests and Diseases	12	2	Core
AP 306	Apibusiness	12	1	Core
AP 307	Apicultural Economics	8	2	Core
AP 309	Beekeeping Entrepreneurship	8	2	Core
AP 399	Research Project	12	2	Core
AP 308	Environment Conservation and Fire Ecology	12	2	Core
FS 309	Functional Foods and Nutraceuticals	12	2	Core
BL 314	Biostatistics II	8	1	Elective
WS 311	Tourism and Recreational Management	8	2	Elective
ZL 333	Insect Ecology	12	1	Elective
ZL 334	Insect Systematics	12	2	Elective
ZL 336	Entomology	12	1	Elective

### Bachelor of Science in Crop Science and Technology (BSc CST)

#### First year

Code	Course Title	Credit	Semester	Status
DS 112	Development Perspectives I	12	1	Core
AG101	Introduction to Agriculture	8	1	Core
AG 102	Field Crops Production I	8	1	Core

IS 131	Introduction to Informatics and Microcomputers	8	1	Core
AG 103	Horticulture I: Principles of Horticulture Production	8	1	Core
AG 104	Urban and Peri-Urban Agriculture (UPA) I	8	1	Core
MT111	Mathematics for Biological and Chemical Sciences	8	1	Core
CL 107	Communication Skills for Science Students	12	2	Elective
AG 106	Introduction to Cell and Molecular Biology	12	2	Core
AG 107	Introduction to Plant Genetics	8	2	Core
AG 108	Introduction to Soil Science	8	2	Core
BT 113	Introduction to Plant Physiology	8	2	Core
AG 109	Agricultural Botany	8	2	Core
DS 113	Development Perspectives II	12	2	Core
EB 103	Entrepreneurship and Innovation I	12	2	Elective

### Second year

Code	Course Title	Credits	Semester	Status
AG 203	Plant Molecular Genetics	12	1	Core
AP 202	Pollination Ecology	12	1	Core
AG 204	Plant Biochemistry	8	1	Core
AG205	Plant Developmental Physiology	8	1	Core
AG 206	Field Crops Production II	12	1	Core
AG 214	Experimental Design and Analysis in Crop Science	12	1	Core
AG 201	Horticulture II: Olericulture and Ornamental Horticulture	12	1	Elective
AG 202	Urban and Peri-urban Agriculture (UPA) II	12	1	Elective
AG 207	Introduction to Precision Agriculture	8	2	Core
AG 208	Soil Fertility and Plant Nutrition	12	2	Core
AG 212	Agricultural Extension and ICT	12	2	Core
AP204	Agro-forestry	12	2	Core
AG 200	Practical Training I	8	2	Core
AG 211	Agricultural Ecology	12	2	Elective
AG 213	Introduction to Agricultural Meteorology	12	2	Elective
AG 209	Conservation Agriculture	8	2	Elective

**Third year**

Code	Course Title	Credits	Semester	Status
AG 301	Crop Breeding and Biotechnology	12	1	Core
AG 304	Seed Production Technology	8	1	Core
AG 309	Organic Agriculture	8	1	Core
AG 306	Precision Agriculture Technologies	12	1	Core
FS 308	Postharvest Technology I	8	1	Core
AG 302	Horticulture III: Fruit Production (Pomology and Viticulture)	12	1	Elective
AG 303	Urban and Peri-Urban Agriculture (UPA) III	8	1	Elective
EB201	Agricultural Products Marketing I	12	1	Elective
AG 210	Crop Protection	12	2	Core
AG 310	Soil Water Plant Relationship	8	2	Core
AG 300	Practical Training II	8	2	Core
AG 308	Agricultural Resources and Farm Management	8	2	Core
AG 311	Agricultural Value Chain	8	2	Core
AG 399	Research Project	12	2	Core
AG 305	Crop Production Modeling	12	2	Elective
FS 402	Postharvest Technology II	8	2	Elective
EB 200	Agribusiness Management	12	2	Elective

**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
<b>First Year</b>				
EC 116	Introductory Microeconomics I	12	1	Core
EC 117	Introductory Macroeconomics I	12	1	Core
AC 100	Principles of Accounting I	12	1	Core
EB 100	Agricultural Economics	12	1	Core
DS 112	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 Macroeconomics II	12	2	Core
AC 101	Principles of Accounting II	12	2	Core
EB 103	Entrepreneurship and Innovation I	12	2	Core
DS 113	Development Perspectives II	12	2	Core

Code	Course Title	Credits	Semester	Status
EB 102	Natural Resources Economics II	12	2	Core
<b>Second Year</b>				
EC 216	Intermediate Microeconomics I	12	1	Core
EC 217	Intermediate Macroeconomics I	12	1	Core
EB 201	Agricultural Products Marketing I	12	1	Core
EC 218	Quantitative Methods I	12	1	Core
EC 219	Econometrics I	12	1	Core
EB 200	Agribusiness Management	12	1	Core
EC 220	Development Economics	12	2	Core
EC 228	Quantitative Methods II	12	2	Core
EC 229	Econometrics II	12	2	Core
EB 202	Agricultural Products Marketing II	12	2	Core
EB 204	Business Planning	12	2	Core
EB 203	Fishery Economics and Management	12	2	Core
<b>Third Year</b>				
EB 303	Entrepreneurship and Innovation II	12	1	Core
EB 304	Economics of Agricultural Marketing I	12	1	Core
EB 300	Economic Management and Policy Analysis	12	1	Core
EB 301	Natural Resource Accounting	12	1	Core
EB 302	Applied Econometrics	12	1	Core
EC 372	Public Sector Economics I	12	1	Core
EB 308	Management Information Systems	12	2	Core
EB 306	Project Appraisal and Techniques	12	2	Core
EB 305	Economics of Agricultural Marketing II	12	2	Core
EC 377	Industrial Economics	12	2	Core
EB 309	Environmental Economics	12	2	Core
EC 382	Public Sector Economics II	12	2	Core

## DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

### Bachelor of Science in Food Science and Technology (BSc FST)

Code	Course Title	Credits	Semester	Status
<b>Common Courses</b>				
DS112	Development Perspectives I	12	1	Core
DS113	Development Perspectives II	12	2	Core

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
<b>First Year</b>				
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
CH118	Basic Analytical and Physical Chemistry	12	1	Core
CH121	Chemistry Practical I	8	1	Core
MC100	Fundamentals of Microbiology	12	1	Core
BN131	Biochemistry I	12	1	Core
EE171	Introduction to Computers and Programming for Engineers	8	2	Core
FS100	Introduction to Food Science and Technology	8	2	Core
FS101	Introduction to Food Microbiology	12	2	Core
CH117	Organic Chemistry	12	2	Core
PH103	Applied Physics in Biology	12	2	Elective
CL107	Communication Skills for Science Students	12	2	Elective
<b>Second Year</b>				
MC237	Practical in Microbiology I	8	1	Core
FS200	Food Chemistry	12	1	Core
FS201	Food Engineering	12	1	Core
FS203	Food Laws	8	1	Core
BL234	Biostatistics I	12	2	Core
MC238	Practical in Microbiology II	8	2	Core
BN232	Food Biotechnology	12	2	Core
BN240	Practical in Biochemistry	8	2	Core
FS202	Advanced Food Microbiology	12	2	Core
FS205	Industrial Training I	8	2	Core
SC215	Scientific Methods	8	1	Core
EV200	Food Toxicology	8	1	Core
FS204	Food Toxicology	8	1	Elective
<b>Third Year</b>				
FS300	Food Processing and Preservation	12	1	Core
FS301	Food Analysis and Sensory Evaluation	12	2	Core
FS302	Food Product Development and Marketing	12	1	Core
FS303	Food Safety and Quality Control	8	1	Core
FS304	Human Nutrition and Dietetics	8	1	Core
FS305	Dairy Processing Technology	8	1	Core

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
CP379	Fermentation Technology and its Applications	12	1	Core
FS306	Industrial Training II	8	2	Core
FS308	Postharvest Technology I	12	2	Core
FS310	Practical in Food Processing and Preservation	8	2	Core
BN338	Biosafety, Biopolicy and Bioethics	12	2	Core
FS311	Food Additives	8	2	Core
FS307	Sugar Technology	8	1	Elective
AP301	Bee Products, Processing Technologies and Value Addition	12	1	Elective
FS309	Functional Foods and Nutraceuticals	12	2	Elective
<b>Fourth Year</b>				
FS400	Food Packaging	12	1	Core
FS401	Extrusion Technology	12	1	Core
FS402	Post-harvest Technology II	12	2	Core
FS403	Food Plant Design	12	1	Core
FS406	Meat, Poultry and Fish Processing	12	1	Core
FS412	Research Project	8	1	Core
FS407	Cereals, Legumes and Oilseed Processing Technology	12	2	Core
FS408	Current Topics in Food Science and Technology	8	2	Core
FS409	Food Business Management and Entrepreneurship	12	2	Core
FS410	Sanitation and Waste Management	12	2	Core
FS413	Industrial Training III	8	2	Core
FS404	Baking Science and Technology	12	1	Elective
FS411	Animal Feed Technology	12	1	Elective
FS405	Beverage Technology	12	2	Elective

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

**Bachelor of Science in Agricultural Engineering and Mechanisation**

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
MT 161	Matrices and Basic Calculus for Non-Majors	12	1	Core
SC 121	Statics	12	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8	1	Core
EE 151	Fundamentals of Electrical Engineering I	8	1	Core
ME 101	Engineering Drawing	8	1	Core
CL 111	Communication Skills for Engineers I	12	1	Core
DS 112	Development Perspectives I	12	1	Core
AM 111	Workshop Training I	4	1	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12	2	Core
EE 131	Fundamentals of Electronics for Engineers	12	2	Core
EE 152	Fundamentals of Electrical Engineering II	8	2	Core
ME 103	Computer Aided Drafting	8	2	Core
ME 106	Strength of Materials I	8	2	Core
DS 113	Development Perspectives II	12	2	Core
AM 112	Workshop Training II	4	2	Core
AM 101	Introduction to Agricultural Engineering	8	2	Core
<b>Second Year</b>				
MT 261	Several Variable Calculus for Non-Majors	12	1	Core
WR 211	Fluid Mechanics for Civil Engineers	12	1	Core
ME 206	Strength of Materials II	12	1	Core
ME 201	Design Methodology	8	1	Core
TR 111	Engineering Surveying I	8	1	Core
AM 201	Materials Technology for Agricultural Engineering	8	1	Core
AM 203	Fundamentals of Soil Science	8	1	Core
MT 271	Statistics for Mathematics Non-Majors	12	2	Core
WR 212	Open Channels Hydraulics	8	2	Core
WR 213	Hydraulics Practicals	4	2	Core
ME 226	Thermodynamics	12	2	Core
ME 208	Dynamics	8	2	Core
TR 112	Engineering Surveying II	8	2	Core



<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
AM 202	Principles of Agronomy	12	2	Core
AM 200	Practical Training I	8	2	Core
<b>Third Year</b>				
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
<b>Fourth Year</b>				
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

Code	Course Title	Credits	Semester	Status
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

## CoAF STAFF LIST

### Office of the Principal

*Associate Professor and Acting Principal*

C. J. Mwita, BSc, MSc, PhD (Dar)

*Senior Lecturer and Acting Deputy Principal*

A. S. Hepelwa, BA (Dar), MA (Makerere), PhD (VUB)

*Principal Administrative Officer*

S. I. Mchallo, ADPA (IDM), PGDipLaw (Dar), MPA (Mzumbe)

### Department of Aquatic Sciences and Fisheries Technology

*Lecturer and Head*

B. R. Lugendo, BSc, MSc (Dar), PhD (Redboud)

*Professors*

J. F. Machiwa, BSc (Dar), MSc (Wales), PhD (Stockholm)

\*\*\* Y. D. Mgaya, BSc (Dar), MSc (UBC), PhD (UCG)

*Associate Professors*

C. V. Lugomela, BSc, MSc (Dar), PhD (Stockholm)

C. J. Mwita, BSc, MSc, PhD (Dar)

*Senior Lecturers*

\*\*\* R. A. Tamatamah, BSc (Dar), MSc (Stirling), PhD (Waterloo)

J. Francis, BSc (Dar), PGD in Marine Affairs (Dalhousie), PhD (Flinders)

D. A. Shilla, BSc (Dar), MSc (VUB), PhD (Saitama)

P. Mfilinge, BSc (Dar), MSc (Hull), PhD (Ryukus)

P. O. Onyango, BA (Nairobi), MSc, PhD (Tromso)

### *Lecturers*

B. R. Lugendo, BSc, MSc (Dar), PhD (Redboud)  
L. T. Kaaya, BSc, MSc (Dar), PhD (Cape Town)  
S. Pamba, BSc, MSc, PhD (Dar)  
\*\*\*S. Semesi, BSc, MSc (Dar), PhD (SU)  
A. M. Hamdun, BSc (Dar), MSc (Ryukvus) PhD (Ryukvus)  
L. Gaspere, BSc, MSc (Dar), PhD (NMBU)  
S. M. Limbu, BSc (Dar), MSc (Stirling), PhD (ECNU)  
T. K. Mmbaga, BSc, MSc, PhD (Dar)

### *Assistant Lecturers*

\*R. A. Kajungiro, BSc (Dar), MSc (Ningbo)  
J. L. Lusana, BSc (Dar), MSc (Zhejiang)  
J. S. Matata, BSc, MSc (Dar)  
F. Changoma, BSc (Dar), MSc (Pukyong)  
B. S. Mayoma, BSc (Dar), MSc (Roskilde)

### *Tutorial Assistant*

J. Mang'ena, BSc (Dar)  
J. Samson, BSc (Dar)  
F. Malesa, BSc (Dar)

### *Chief Laboratory Scientists*

S. J. Ulomi, BSc (Dar), MSc (Brussels), PhD (Dar)  
M. Loth, BSc (Dar), MSc (Brussels)

### *Principal Laboratory Scientist II*

Y. D. Mhonda, Dip Fisheries (Kunduchi) BSc, MSc (Dar)

### *Senior Laboratory Scientist I*

P. M. Semili, BSc (SUA), MSc (Dar)

### *Laboratory Technician III*

D. H. Ngairo, Dip. Aquaculture (Mbegani), BSc (Jordan)

### *Ordinary Seaman II*

H. Ramadhani, Cert in Marine Mechanics (Mbegani)

## **Department of Crop Science and Beekeeping Technology**

### *Senior Lecturer and Head*

M. L. K. Manoko BSc (Dar), MSc (Addis Ababa), PhD (Nijmegen)

### *Associate professors*

M. H. Muruke, BSc, MSc, PhD (Dar)  
\*\*H. Kangalawe, BA (Ed), MA (Dar), PhD (Stellenbosch)

### *Senior Lecturers*

M. L. K. Manoko BSc (Dar), MSc (Addis Ababa), PhD (Nijmegen)

*Assistants Lecturers*

A. B. Kalekezi, BSc (Dar), MSc (Dar)  
S. K. Mashilingi, BSc (Dar), MSc (Dar)  
A. C. Mduda, BSc (Dar), MSc (Dar)  
M. S. Nyandi, BSc (SUA), MSc (Denmark)  
J. S. Kalonga BSc (SUA), MSc (Arusha)  
G. G. Kanyairita, BSc (SUA), MSc (Alabama)  
F. Makwinja, BSc (SUA), MSc (SUA)

*Tutorial assistants*

D. D. Narwango, BSc (Dar)  
J. D. Gonsalves, BSc (SUA)  
I. F. Rikohe, BSc (Dar)  
M. J. Malley, BSc (Dar)  
A. R. Kidabaga, BSc (Dar)

**Department of Agricultural Economics and Business**

*Senior Lecturer and Head*

R. Katikiro, BSc (SUA), MSc, PhD (Bremen)

*Senior Lecturers*

A. Hepelwa, BA (Dar), MA (Makerere), PhD (VUB)  
R. Katikiro, BSc (SUA), MSc, PhD (Bremen)

*Lecturers*

M. Mbwana, BSc, MSc, PhD (SUA)  
I. John, BA, MA, PhD (Dar)

*Assistant Lecturers*

C. Sinje, B. Com, MIB (Dar)  
C. L. Domician, B. Com, MIT (Dar)  
G. Mapunda, BA, MA (Dar)  
F. Mbegallo, BSc, MSc (SUA)  
M. S. Zungo, BSc, MSc (SUA)  
S. M. Ngozi, BSc (SUA), MSc Egerton)

*Tutorial Assistants*

S. Hassan, BA (Dar)  
J. W. Msangi, BSc (SUA)  
E. Jackson, BSc (Dar)

**Department of Food Science and Technology**

*Lecturer and Head*

L. D. Kaale, BSc, MSc (Dar), PhD (Trondheim)

*Senior Lecturers*

L. M. P. Rweyemamu, MSc (Moscow), PhD (TU, Bergakademie Freiberg)  
O. Kibazohi, BSc (Dar), MSc, PhD (Waterloo)

*Lecturers*

L. D. Kaale, BSc, MSc (Dar), PhD (Trondheim)  
V. V. Matabura, BSc (Dar), MSc (Ghent), PhD (Leuven)

*Assistant Lecturers*

I. S. Kinyoro, BSc (SUA), MSc (Tuskegee)  
B. M. Lukwambe, BSc (SUA); MSc (Ningbo)  
F. D. Gonelimali, BSc (Dar.), MSc (Zhejiang)  
M. G. Mathias, BSc, MSc (Dar)

*Tutorial Assistants*

A. W. Mwakosya, BSc (Dar)  
S. Damla, BSc (Dar)  
S. J. Kitigwa, BSc (SUA)

**Department of Agricultural Engineering**

*Lecturer and Head*

A. N. Towo, BSc (Dar), MSc (Auburn), PhD (Bath)

*Lecturers*

A. N. Towo, BSc (Dar), MSc (Auburn), PhD (Bath)  
A. J. Mahinda, BSc (SUA), MSc (Nairobi), PhD (Kyoto)

*Assistant Lecturers*

J. Mohamed, BSc, MSc (SUA)  
\*P. C. Ngimbwa, BSc (Dar), MSc (Ohio)  
\*P. S. Milindi, BSc (SUA), MSc (Ohio)

*Tutorial Assistants*

P. G. Limu, BSc (Dar)  
V. F. Tsoray, BSc (SUA)  
P. Massay, BSc (SUA)  
F. Enos, BSc (Dar)

\* On Study Leave

\*\*\*On Leave of Absence/Secondment

## **INTRODUCTION**

The College of Engineering and Technology (CoET) comprises of six academic departments, namely: Chemical and Mining Engineering (CME), 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 Metallurgy and Mineral Processing Engineering (BScMMPE)
- (vi) Bachelor of Science in Mining Engineering (BScMNTechE)
- (vii) Bachelor of Science in Industrial Engineering (BScIE)
- (viii) Bachelor of Science in Textile Design and Technology (BScTXD)
- (ix) Bachelor of Science in Textile Engineering (BScTXE)
- (x) Bachelor of Science in Petroleum Engineering (BScPE)
- (xi) Bachelor of Architecture (BArch)
- (xii) Bachelor of Science in Quantity Surveying (BScQS)
- (xiii) 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".
5. 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.
6. 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").
7. 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.
8. 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.
9. 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 1 and 2 of the first year.
10. 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.
11. 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.
12. No student will be enrolled in a course module for which he/she has not taken the prerequisites.
13. 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.
14. 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.
15. 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.
16. 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.

17. 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.
18. All courses taken by a student shall be entered in the transcript.

### **Regulations for First Year Examinations**

19. All course modules offered in the First Year shall be compulsory. All course modules shall be examined or otherwise assessed.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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**

25. 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.
26. 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.
27. 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.
28. 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.
29. 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**

30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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**

37. 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.
38. 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.
39. 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.
40. A candidate who fails to attain a minimum overall GPA of 1.8 from courses examined in the academic year shall be discontinued forthwith.
41. 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.
42. 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.
43. 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.

44. Final Year Projects will be assessed and the results contribute to the Fourth Year overall GPA, as well as Final GPA for degree classification.
45. 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.
46. 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.
47. 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.
48. 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**

49. 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.
50. 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.
51. For purposes of classification of degrees, a five point system will be used to compute the final grade.
52. The letter grade will be assigned points as follows:
53. A=5; B+=4; B=3 C=2; D=1; E=0
54. To get a score for each course, the points obtained as in 51 above shall be multiplied by the weights as in Regulation 50.
55. All weights under 50 above shall carry one decimal place.

### **Regulations Applicable to All Engineering Students**

56. The total score for the degree will be the total of the weighted scores for all contributing courses obtainable under Regulation 52
57. 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)**

58. 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.
59. Each PT shall be treated as a course of the succeeding academic year.
60. 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.
61. 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.
62. 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.
63. Practical Training reports will be handed in for assessment before the end of the second week of the first semester.
64. Internal assessment shall be completed before the end of the first semester.
65. A student who fails a PT shall supplement the PT before starting the next one.
66. A student who fails a supplementary PT shall be discontinued forthwith.
67. 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.
68. 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, Laboratoryatories 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
- MN - Mining Engineering
- MP - Metallurgy and Mineral Processing Engineering
- MT - Mathematics (for non-majors)
- OG - Petroleum Engineering (Oil and Gas)
- 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
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
DS 101	Development Perspectives I	12E	1	Core
EE 171	Introduction to Computers & Programming for Engineers	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 102	Development Perspectives II	12E	2	Core
MT 171	One Variable Calculus & 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
<b>First Year</b>				
CL111	Communication Skills for Engineers	12E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8E	1	Core
DS 101	Development Perspectives I	12E	1	Core
ME 101	Engineering Drawing	8E	1	Core
SC 121	Statics	12E	1	Core
TR 111	Engineering Surveying I	8E		Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
CE 111	Workshop Training I	4E	1	Core
SC 102	Civil Engineering Drawing	10E	2	Core
SC 112	Civil Engineering Materials I	12E	2	Core
SC 122	Dynamics of Solids	8E	2	Core
DS 102	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 131	Fundamentals of Building Design	8E	2	Core
CE 112	Workshop Training II	4E	2	Core
<b>Second Year</b>				
SC 211	Civil Engineering Materials II	12E	1	Core
SC 201	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 211	Fluid Mechanics for Civil Engineers	12E	1	Core
SC 221	Analysis of Statically Determinate Structures	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 Practicals	4	2	Core
WR 231	Water Supply and Treatment	12E	2	Core
SC 222	Analysis of Statically Indeterminate Structures	12E	2	Core
CE 100	Practical Training I	8	2	Core
<b>Third Year</b>				
SC 341	Design of Reinforced Concrete Structures I	8E	1	Core

Code	Course Title	Credits	Semester	Status
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
	<i>Electives (Minimum)</i>	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
	<i>Electives (Minimum)</i>	8E	2	
<b>Elective Courses</b>				
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
<b>Fourth Year</b>				
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
CE 498	Final Project I	8E	1	Core
	<i>Electives (Minimum)</i>	24E	1	
SC 432	Civil Engineering Procedures & Ethics	8E	2	Core
WR 442	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
<i>Elective Courses</i>				
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

Code	Course Title	Credits	Semester	Status
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

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
AR 111	Studio Design Project I	20	1	Core
AR 121	Architectural Graphics – Free hand	8E	1	Core
DS 101	Development Perspectives I	12	1	Core
SC 110	Building Materials I	8E	1	Core
SC 123	Mechanics for Architects	8E	1	Core
AR 141	Workshop Training I	4E	1	Core
AR 112	Studio Design Project II	20	2	Core
AR 142	Workshop Training II	4E	2	Core
DS 102	Development Perspectives II	12	2	Core
AR 122	Architectural Graphics – with tools	8E	2	Core
AR 131	History of African Architecture	8E	2	Core
AR 132	Theory of Architecture	8E	2	Core
SC 132	Building Construction I	8E	2	Core
TR 113	Introduction to Land surveying	8E	2	Core
<b>Second Year</b>				
AR 213	Studio Design Project III	20	1	Core
AR 233	History of World Architecture	8E	1	Core
AR 224	Architectural Graphics - Computer Aided	8E	2	Core
SC 220	Building Materials II	8E	1	Core
AR 232	Building Services I	8E	1	Core
SC 202	Building Economics	8E	1	Core
SC 223	Building Structures I	8E	1	Core
AR 214	Studio Design Project IV	24	2	Core
AR 223	Architectural Rendering	8E	1	Core
AR 254	Professional Practice I	12	2	Core
AR 261	Settlement Planning	8E	2	Core
AR 243	Building Services II	8E	2	Core
AR 100	Practical Training I	8	2	Core
<b>Third Year</b>				
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
***	<i>Electives I</i>	12	1	<i>Elective</i>
AR316	Studio Design Project VI	24	2	Core
SC 323	Analysis of Building Structures	8E	2	Core
SC 301	Building Construction II	8E	2	Core
AR372	Architectural Specification	8E	2	Core
AR334	Architectural Conservation	8E	2	Core
AR200	Practical Training II	8	2	Core
***	<i>Electives II</i>	12	2	<i>Elective</i>
<i>Third Year Elective Courses</i>				
WR460	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
AR447	Architectural Science	12E	1	Elective
ME 201	Design Methodology	12E	1	Elective
ME 206	Strength of Materials II	12E	2	Elective
<b>Fourth Year</b>				
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
***	<i>Electives III</i>	12	1	<i>Elective</i>
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
***	<i>Electives IV</i>	12	2	<i>Elective</i>
<i>Fourth Year Elective Courses</i>				
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
<b>Fifth Year</b>				
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

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
DS 101	Development Perspectives I	12	1	Core
TR 111	Engineering Surveying I	8E	1	Core
SC 121	Statics	8E	1	Core
QS 122	Building Technology I	12E	1	Core
QS 174	Introduction to Mathematics	8E	1	Core
QS 176	Introduction to Information Technology	8E	1	Core
EC 116	Introduction to Micro-Economics I	8E	1	Core
DS 102	Development Perspectives II	12	2	Core
SC 201	Mechanics of Materials	8E	2	Core
SC 112	Civil Engineering Materials I	8E	2	Core
TR 112	Engineering Surveying II	8E	2	Core
QS 125	Building Technology II	12E	2	Core
QS 132	Measurement of Building Works I	12E	2	Core
QS 151	Project Work I	8	2	Core
EC 117	Introduction to Micro-Economics II	8E	2	Core
<b>Second Year</b>				
MT 271	Statistics for Non Majors	12E	1	Core
SC 212	Civil Engineering Materials II	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
SC 202	Building Economics	8E	1	Core
QS 243	Law for Quantity Surveyors I	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 241	Management Theory	12E	2	Core
QS 252	Project Work III	8	2	Core
QS 100	Practical Training I	8	2	Core
<b>Third Year</b>				
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
***	<i>Elective I</i>	<i>8E</i>	<i>1</i>	<i>Elective</i>
QS 339	Measurement of Civil Engineering Works II	12E	2	Core
QS 335	Construction Economics I	12E	2	Core

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
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
***	<i>Elective II</i>	8E	2	<i>Elective</i>
<b>Third Year Elective Courses</b>				
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
<b>Fourth Year</b>				
QS 435	Construction Economics II	12E	1	Core
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
***	<i>Elective III</i>	8E	1	<i>Elective</i>
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
***	<i>Elective IV</i>	8E	2	<i>Elective</i>
<b>Fourth Year Elective Courses</b>				
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**

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
DS 101	Development Perspectives I	12	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8E	1	Core
GT 111	Introduction to Surveying	12E	1	Core
GT 115	Principles of Cartography	12E	1	Core
GT 173	Physics for Geomaticians	8E	1	Core
DS 102	Development Perspectives II	12	2	Core

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
GT 112	Topographic Surveying	8E	2	Core
EE 131	Fundamentals of Electronics for Engineers	12E	2	Core
GT 156	Introduction to Photogrammetry	12E	2	Core
EE 172	Computer Programming for Engineers	8E	2	Core
GT 163	Computer Programming for Geomatics	12E	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12E	2	Core
<b>Second Year</b>				
MT 261	Several Variable Calculus for Non Majors	12E	1	Core
GT 213	Electronic Surveying	12E	1	Core
GT 221	Introduction to Engineering Surveying	12E	1	Core
GT 241	Spherical and Ellipsoidal Geometry	8E	1	Core
GT 257	Remote Sensing Principles and Applications	8E	1	Core
LW 202	Land Law I	12E	1	Core
MT 271	Statistics for Non Majors	12E	2	Core
GT 214	Cadastral Surveying	12E	2	Core
GT 231	Adjustment Theory	12E	2	Core
GT 272	Urban Planning and Design Theory	12E	2	Core
GT 281	Project I: Cadastral Surveying	12	2	Core
LW 207	Land Law II	12E	2	Core
GT 100	Practical Training I	8	2	Core
<b>Third Year</b>				
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
***	<i>Elective I</i>	<i>8E</i>	<i>1</i>	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
***	<i>Elective II</i>	<i>8E</i>	<i>2</i>	Elective
<i>Third Year Elective Courses</i>				
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

Code	Course Title	Credits	Semester	Status
<b>Fourth Year</b>				
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 Project I	8	1	Core
***	<i>Elective III</i>	8E	1	<i>Elective</i>
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
***	<i>Elective IV</i>	8E	2	<i>Elective</i>
<i>Fourth Year Elective Courses</i>				
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

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
DS 101	Development Perspectives I	12	1	Core
EE 111	Workshop Training I	4E	1	Core
EE 151	Fundamentals of Electrical Engineering I	8E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8E	1	Core
ME 101	Engineering Drawing	8	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
SC 121	Statics	12E	1	Core
DS 102	Development Perspectives II	12E	2	Core
EE 112	Workshop Training II	4E	2	Core
EE 131	Fundamentals of Electronics for Engineers	12E	2	Core
EE 152	Fundamentals of Electrical Engineering	8E	2	Core

Code	Course Title	Credits	Semester	Status
	II			
EE 153	Computer Aided Drafting for Electrical and Electronics Engineers	8	2	Core
EE 172	Computer Programming for Engineers	8E	2	Core
MT 171	One Variable Calculus and Differential Equation for Non-Majors	12E	2	Core
<b>Second Year</b>				
EE 221	High Voltage Engineering	12E	1	Core
EE 231	Electronics for Engineers I	8E	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
EE 222	Electrical Power Transmission and Distribution	12E	2	Core
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
<b>Third Year</b>				
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
	<i>Elective (Minimum 3.0 Units)</i>	<i>12E</i>	<i>1</i>	
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
	<i>Elective (Minimum 3.0 Units)</i>	<i>12E</i>	<i>2</i>	
<i>Elective courses for Third year of study</i>				
EE324	HVDC Transmission	12E	1	Elective
TE 311	Introduction to Analogue Telecommunication I	12E	1	Elective
CS 353	Microcomputer Systems I	10E	1	Elective

Code	Course Title	Credits	Semester	Status
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
<b>Fourth Year</b>				
EE 411	Electrical Machine III	12E	1	Core
EE 421	Electrical Power Plants	8E	1	Core
EE 422	Power System Operation & Control	12E	1	Core
IE 443	Industrial Safety and Maintenance	8E	1	Core
EE 498	Final Project I	8.0	1	Core
	<i>Elective (Minimum 3.0 Units)</i>	12E	1	
SC 430	General Engineering Procedures and Ethics	12E	2	Core
EE 423	Switchgear and Protection Engineering	12E	2	Core
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
	<i>Elective (Minimum 3.0 Units)</i>	12E	2	
<i>Elective courses for Fourth year of study</i>				
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 MINING ENGINEERING

### Bachelor of Science in Chemical and Process Engineering

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
CP 111	Workshop Training I	4	1	Core
CL 111	Communication Skills for Engineers	12E	1	Core
EE 151	Fundamentals of Electrical Engineering I	8E	1	Core
DS 101	Development Perspectives I	12E	1	Core
ME 101	Engineering Drawing	8	1	Core
SC 121	Statics	12E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8E	1	Core

CP 102	Fundamentals of Chemical and Biochemical Engineering	8E	2	Core
EE 172	Computer Programming for Engineers	8E	2	Core
CP 105	Materials and Energy Balance	12E	2	Core
DS 102	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 & Diff. Equations for Non-Majors	12E	2	Core
ME 103	Computer Aided Drafting	8.0	2	Core
<b>Second Year</b>				
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
<b>Third Year</b>				
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
	<i>Elective I (minimum)</i>	12	1	
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
	<i>Elective II (minimum)</i>	12	2	
<i>Third Year Elective Courses</i>				
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
<b>Fourth Year</b>				
CP 432	Unit Operations II	12E	1	Core
CP 425	Plant Design and Economics	12	1	Core
	<i>Elective I (minimum)</i>	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
	<i>Elective II (minimum)</i>	12	2	Elective
<i>Fourth Year Elective Courses</i>				
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

### Bachelor of Science in Metallurgy and Mineral Processing Engineering

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
EE 171	Introduction to Computer and Programming for Engineers	8E	1	Core
EE 151	Fundamentals of Electrical Engineering I	8E	1	Core
DS 101	Development Perspectives I	12	1	Core
ME 101	Engineering Drawing	8	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
SC 121	Statics	12E	1	Core
MP 111	Workshop Training I	4E	1	Core
MN 102	Introduction to Mining	8E	2	Core
MP 112	Workshop Training II	4E	2	Core
DS 102	Development Perspectives II	12	2	Core
MP 131	Mineral Processing I	8E	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12E	2	Core
ME 106	Strength of Materials I	8E	2	Core
ME 103	Computer Aided Drafting	8	2	Core
CP 105	Materials and Energy Balance	12E	2	Core



Code	Course Title	Credits	Semester	Status
<b>Second Year</b>				
GY 100	Introduction to Geology and Geological Processes	12E	1	Core
ME 218	Materials Technology I	12E	1	Core
CP 203	Engineering Thermodynamics	12E	1	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
CH 240	Physical Chemistry	12E	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12E	2	Core
CH 219	Systematic Inorganic Chemistry	8E	2	Core
CP 211	Chemical Engineering Fluid Mechanics	12E	2	Core
CH 271	Chemistry Practical for Mineral Processing	8	2	Core
MT 271	Statistics for Non-Majors	12E	2	Core
ME 219	Materials Technology II	12E	2	Core
MP 100	Practical Training I	8	2	Core
<b>Third Year</b>				
MP 331	Mineral Processing II	12E	1	Core
MP 332	Pyrometallurgy	12E	1	Core
MN 341	Mine Transportation and Materials Handling	12E	1	Core
MN 410	Mine safety and Environment	12E	1	Core
MP 335	Coal Processing and Utilization	12E	1	Core
***	<i>Electives I</i>	12	1	
MP 333	Hydrometallurgy	12E	2	Core
GY 311	Metallic Mineral Deposits	12E	2	Core
CP 327	Reaction Engineering	12E	2	Core
MP 334	Metallurgical Accounting	8E	2	Core
MP 350	Mineral Processing Laboratory I	8	2	Core
MP 200	Practical Training II	8	2	Core
***	<i>Electives II</i>	12	2	
<i>Third Year Elective Courses</i>				
MP 375	Gemology	8E	1	Elective
MP 377	Engineering Skills in Mining	8	1	Elective
MN 380	Operations research in Mining	12E	1	Elective
MN 327	Coal Mining	8E	1	Elective
MN 372	Introduction to Oil and Gas Mining	8	1	Elective
MN 377	Small-Scale Mining Techniques	12	1	Elective
ME 201	Design Methodology	8E	2	Elective
ME 206	Strength of Materials II	12E	2	Elective
ME 207	Mechanics of Machines	8E	2	Elective
ME 208	Dynamics	8E	2	Elective
CP 325	Process Plant Equipment	12E	2	Elective
CP 374	Design of Experiments	12	2	Elective

Code	Course Title	Credits	Semester	Status
Others	Any 300 series courses in CoET, Any 300 series course in Geology			
<b>Fourth Year</b>				
MN 480	Mineral Economics	12E	1	Core
MP 430	Electrometallurgy	8E	1	Core
MP 450	Mineral Processing Laboratory II	8	1	Core
MP 420	Design and Operation of Mineral Processes	12	1	Core
MP 498	Final Year Project I	8	1	Core
***	<i>Electives I</i>	12	1	
IE 445	Entrepreneurship for Engineers	12E	2	Core
MN 481	Mine Management	12E	2	Core
MP 499	Final Year Project II	12	2	Core
SC 430	General Engineering Procedures and Ethics	12E	2	Core
MP 300	Practical Training III	8	2	Core
***	<i>Electives II</i>	12	2	
<i>Fourth Year Elective Courses</i>				
MP 474	Health and Safety in Mineral Processing	8E	1	Elective
MP 476	Extractive Metallurgy of Gold	12E	1	Elective
MP 478	Gas Conditioning and Processing	12E	1	Elective
MP 479	Uranium Processing	8E	1	Elective
MN 478	Computer Simulation of Mining Systems	12	1	Elective
ME 201	Design Methodology	12E	2	Elective
ME 206	Strength of Materials II	12E	2	Elective
ME 207	Mechanics of Machines	8E	2	Elective
ME 208	Dynamics	8E	2	Elective
GY 402	Industrial Mineral and Rocks	12E	2	Elective
CP 426	Process Dynamics and Control	12	2	Elective
Others	Any 400 Series Courses in CoET			
	Any 400 Series Course in Geology			

### Bachelor of Science in Mining Engineering

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8E	1	Core
EE 151	Fundamentals of Electrical Engineering I	8E	1	Core
DS 101	Development Perspectives I	12	1	Core
ME 101	Engineering Drawing	8E	1	Core

MN 111	Workshop Training I	4	1	Core
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
SC 121	Statics	12E	1	Core
MN 112	Workshop Training II	4	2	Core
DS 102	Development Perspectives II	12E	2	Core
ME 106	Strength of Materials I	8E	2	Core
ME 103	Computer Aided Drafting	8	2	Core
MP 131	Mineral Processing I	8E	2	Core
MT 171	One Variable Calculus & Diff. Eq. for Non-Majors	12E	2	Core
MN 102	Introduction to Mining	8E	2	Core
MN 120	Mine Development	8E	2	Core
<b>Second Year</b>				
GY 100	Introduction to Geology and Geological Processes	12E	1	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
TR 111	Engineering Survey 1	8E	1	Core
MN 221	Drilling and Blasting	12E	1	Core
WR 211	Fluid Mechanics for Civil Engineers	12E	1	Core
CP 203	Engineering Thermodynamics	12E	1	Core
TR 112	Engineering Survey 2	8	2	Core
WR 213	Hydraulic Practicals	4	2	Core
MN 223	Rock Mechanics	12E	2	Core
GY 120	Earth Materials (Rocks and Minerals)	12E	2	Core
MT 271	Statistics for Non-Majors	12E	2	Core
MN 222	Mine Surveying	12E	2	Core
MN 100	Practical Training I	8	2	Core
<b>Third Year</b>				
GY 336	Introduction to Hydrogeology	8E	1	Core
MN 321	Surface Mining Methods	12E	1	Core
MN 327	Coal Mining	8E	1	Core
MN 341	Mine Transportation and Materials Handling	12E	1	Core
MN 380	Operations research in Mining	12E	1	Core
***	<i>Electives I</i>	<i>12</i>	<i>1</i>	<i>Elective</i>
MN 323	Mine Ventilation	12E	2	Core
MN 325	Geostatistics and Ore Reserve Estimation	12E	2	Core
MN 326	Underground Mining Methods	12E	2	Core
MN 350	Mining Engineering Laboratory I	8	2	Core
GY 311	Metallic Mineral Deposits	12E	2	Core
MN 200	Practical Training II	8	2	Core
***	<i>Electives II</i>	<i>12</i>	<i>2</i>	<i>Elective</i>
<i>Third Year Elective Courses</i>				
MP 375	Gemology	8E	1	Elective

MP 377	Engineering Skills in Mining	8	1	Elective
MN 372	Introduction to Oil and Gas Mining	8	1	Elective
MN 377	Small-Scale Mining Techniques	12	1	Elective
ME 201	Design Methodology	12E	1	Elective
ME 206	Strength of Materials II	12E	2	Elective
ME 207	Mechanics of Machines	8E	2	Elective
ME 208	Dynamics	8E	2	Elective
CP 325	Process Plant Equipment	12E	2	Elective
CP 374	Design of Experiments	12	2	Elective
Others	Any 300 series courses in CoET			Elective
	Any 300 series course in Geology			Elective
<b>Fourth Year</b>				
MN 480	Mineral Economics	12E	1	Core
MN 450	Mining Engineering Laboratory II	8	1	Core
MN 410	Mine Safety and Environment	12E	1	Core
MN 498	Final Year Project I	8	1	Core
***	<i>Electives I</i>	<i>12</i>	<i>1</i>	<i>Elective</i>
MN 481	Mine Management	12E	1	Core
SC 430	General Engineering Procedures and Ethics	12E	2	Core
MN 420	Fundamentals of Mine Design	12	2	Core
IE 445	Entrepreneurship for Engineers	12E	2	Core
MN 499	Final Year Project II	12	2	Core
MN 300	Practical Training III	8	2	Core
***	<i>Electives II</i>	<i>12</i>	<i>2</i>	<i>Elective</i>
<i>Fourth Year Elective Courses</i>				
MP 474	Health and Safety in Mineral Processing	8E	1	Elective
MP 476	Extractive Metallurgy of Gold	12E	1	Elective
MP 478	Gas Conditioning and Processing	12E	1	Elective
MP 479	Uranium Processing	8E	1	Elective
MN 475	Mining Machines and Equipment	12	2	Elective
MN 478	Computer Simulation of Mining Systems	12	2	Elective
GY 402	Industrial Mineral and Rocks	8E	2	Elective
CP 426	Process Dynamics and Control	12	2	Elective
Others	Any 400 series courses in CoET			
	Any 400 series course in Geology			

### **Bachelor of Science in Petroleum Engineering**

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
<b>First Year</b>				
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
CL 111	Communication Skills for Engineers	12E	1	Core
EE 151	Fundamentals of Electrical Engineering I	8E	1	Core
DS 101	Development Perspectives I	8E	1	Core

ME 101	Engineering Drawing	8	1	Core
SC 121	Statics	12E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8E	1	Core
OG 101	Introduction to Petroleum Engineering	12E	2	Core
CP 105	Materials and Energy Balance	12E	2	Core
DS 102	Development Perspectives II	8E	2	Core
OG 112	Workshop Training II	4E	2	Core
ME 106	Strength of Materials I	8E	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12E	2	Core
ME 103	Computer Aided Drafting	8	2	Core
<b>Second Year</b>				
CH 240	Physical Chemistry	12E	1	Core
CH 219	Systematic Inorganic Chemistry	8E	1	Core
CP 211	Chemical Engineering Fluid Mechanics	12E	1	Core
MT 261	Several Variable Calculus for Non-Majors	12E	1	Core
GY 100	Introduction to Geology and Geological Processes	12E	1	Core
CP 203	Engineering Thermodynamics	12E	1	Core
CH 117	Organic Chemistry	12E	2	Core
OG 260	Computer Application in Petroleum Engineering	12E	2	Core
OG 241	Reservoir Fluid Properties	12E	2	Core
CH 270	Chemistry Practical	8	2	Core
GY 230	Petroleum Geology I	8E	2	Core
MT 271	Statistics for Non-Majors	12E	2	Core
OG 100	Practical training I	8	2	Core
<b>Third Year</b>				
OG 320	Petroleum Engineering Systems	12E	1	Core
OG 321	Drilling 1	12E	1	Core
OG 334	Petroleum Production	12E	1	Core
OG 357	Reservoir Petrophysics	12E	1	Core
	<i>Electives I ( 12 credits minimum)</i>			
OG 330	Natural Gas Processing	12E	2	Core
OG 331	Drilling II	12E	2	Core
OG 310	Industrial Health, Safety and Environmental Protection	12E	2	Core
OG 341	Reservoir Engineering I	12E	2	Core
OG 351	Petroleum Engineering Laboratory I	8	2	Core

<i>Third Year Elective Courses</i>				
CP 340	Heat and Mass Transfer	12E		Elective
OG 373	Offshore Operations	12E		Elective
OG 374	Petroleum Engineering Thermodynamics	12E		Elective
OG 371	Petroleum Engineering Numerical Methods	12E		Elective
OG 370	Geostatistics for Petroleum Engineering	12E		Elective
CH 357	Fuel Chemistry and Technology	8E		Elective
GY 330	Petroleum Geology II	12E		Elective
Any Approved Course Modules at UDSM (24 credits minimum for the year)				
<b>Fourth Year</b>				
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	8.0	1	Core
SC 430	General Engineering Procedures and Ethics	12E	2	Core
OG 460	Computer Modelling and Simulation	12E	2	Core
	<i>Electives I (12 credits minimum)</i>			
OG 499	Final Project II	12	2	Core
IE 445	Entrepreneurship for Engineers	12E	2	Core
OG 300	Practical training III <i>Electives II (12 credits minimum)</i>	8	2	Core
<i>Fourth Year Elective Courses</i>				
CP 471	Introduction to Industrial Ecology	12E		Elective
CP 473	Risk Assessment and Management	12E		Elective
OG 476	Petroleum Transport and Marketing	12E		Elective
OG 477	Petroleum Refining Techniques	12E		Elective
OG 478	Well Logging, Analysis and Formation Evaluation	12E		Elective

## DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING

### Bachelor of Science in Mechanical Engineering

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CL 111	Communication Skills for Engineers	12E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8.0E	1	Core
DS 101	Development Perspectives I	12	1	Core
EE 151	Fundamentals of Electrical Engineering I	8.0E	1	Core
ME 101	Engineering Drawing	8.0	1	Core

Code	Course Title	Credits	Semester	Status
MT 161	Matrices and Basic Calculus for Non-Majors	12E	1	Core
SC 121	Statics	12E	1	Core
ME 111	Workshop Training I	4.0E	1	Core
DS 102	Development Perspectives II	12E	2	Core
EE 152	Fundamentals of Electrical Engineering II	8.0E	2	Core
ME 113	Workshop Training II	8.0E	2	Core
ME 103	Computer Aided Drafting	8.0	2	Core
ME 106	Strength of Materials I	8.0E	2	Core
MT 171	One Variable Calculus and Differential Equations for Non-Majors	12E	2	Core
EE 131	Fundamentals of Electronics for Engineers	12E	2	Core
<b>Second Year</b>				
ME 201	Design Methodology	8.0E	1	Core
ME 206	Strength of Materials II	12E	1	Core
ME 218	Materials Technology I	12E	1	Core
ME 228	Mechanics of Fluids	12E	1	Core
EE 243	Measurements and Instrumentation for Non-majors	8.0E	1	Core
MT 261	Several Variable Calculus for Non-majors	12E	1	Core
ME 202	Machine Elements and Design I	12E	2	Core
ME 208	Dynamics	8.0E	2	Core
ME 219	Materials Technology II	12E	2	Core
ME 226	Thermodynamics	12E	2	Core
ME 232	Manufacturing Technology I	12E	2	Core
MT 271	Statistics for Non-majors	12E	2	Core
ME 100	Practical Training I	8	2	Core
<b>Third Year</b>				
ME 302	Machine Elements and Design II	12E	1	Core
ME 303	Computer Aided Design	8.0E	1	Core
ME 324	Mechanical Control Systems	8.0E	1	Core
ME 332	Manufacturing Technology II	12E	1	Core
IE 340	Engineering Operations Management	12E	1	Core
	<i>Electives (minimum)</i>	<i>12</i>	<i>1</i>	<i>Elective</i>
ME 309	Design Project	8.0	2	Core
ME 325	Turbomachinery	8.0E	2	Core
ME 326	Combustion and Heat Transfer	12E	2	Core
ME 329	Internal Combustion Engines	8.0E	2	Core
ME 334	Computer Aided Manufacturing	8.0E	2	Core
IE 399	Research Methods for Engineers	8.0	2	Core
ME 200	Practical Training II	8.0	2	Core
	<i>Electives (minimum)</i>	<i>12</i>	<i>2</i>	<i>Elective</i>
<i>Third Year Elective Courses</i>				
ME 306	Solid Mechanics	12E	1	Elective
ME 308	Mechanical Vibration Analysis	8.0E	1	Elective
ME 317	Welding Metallurgy	8.0E	1	Elective

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
ME 322	Renewable Energy Technology	12E	2	Elective
ME 327	Industrial Energy Management	12E	2	Elective
<b>Fourth Year</b>				
ME 402	Material Handling Systems	8.0E	1	Core
ME 431	Industrial Automation	8.0E	1	Core
IE 440	Engineering Economics	8.0E	1	Core
IE 443	Industrial Safety and Maintenance	8.0E	1	Core
ME 428	Computational Fluid Dynamics	12E	1	Core
ME 498	Final Project I	8.0E	1	Core
	<i>Electives (minimum)</i>	<i>12</i>	<i>1</i>	<i>Elective</i>
ME 408	Noise and Vibration Control	12E	2	Core
IE 445	Entrepreneurship for Engineers	12E	2	Core
SC 430	General Engineering Procedures and Ethics	12E	2	Core
ME 499	Final Project II	12E	2	Core
ME 300	Practical Training III	8.0	2	Core
	<i>Electives (minimum)</i>	<i>12</i>	<i>2</i>	<i>Elective</i>
<i>Fourth Year Elective Courses</i>				
ME 426	Refrigeration and Air-conditioning	8.0E	1	Elective
ME 425	Power Plants	12E	1	Elective
IE 442	Operations Research	8.0E	1	Elective
ME 417	Introduction to Polymer and Composite Materials	8.0E	2	Elective
ME 429	Automotive Engineering	12E	2	Elective
IE 441	Human Resources Management for Engineers	8.0E	2	Elective
IE 446	Innovation Management	8.0E	2	Elective

### **Bachelor of Science in Industrial Engineering**

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
<b>First Year</b>				
IE 111	Workshop Training I	4.0E	1	Core
CL 111	Communication Skills for Engineers	12E	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8.0E	1	Core
DS 101	Development Perspectives I	12	1	Core
ME 101	Engineering Drawing	8.0	1	Core
EE 151	Fundamentals of Electrical Engineering I	8.0E	1	Core
SC 121	Statics	12E	1	Core
MT 161	Matrices and Basic Calculus for Non-majors	12E	1	Core
IE 112	Workshop Training II	8.0E	2	Core
DS 102	Development Perspectives II	12	2	Core
EE 152	Fundamentals of Electrical Engineering II	8.0E	2	Core
ME 103	Computer Aided Drafting	8.0	2	Core



<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
IE 120	Introduction to Industrial Engineering and Entrepreneurship	8.0E	2	Core
EE 172	Computer Programming for Engineers	8.0E	2	Core
MT 171	One Variable Calculus and Diff. Equations for Non majors	12E	2	Core
ME 106	Strength of Materials I	8.0E	2	Core
<b>Second Year</b>				
IE 201	Design of Work Systems	8.0E	1	Core
IE 220	Productivity and Business Competitiveness	8.0E	1	Core
ME 201	Design Methodology	8.0E	1	Core
CS 231	Computer Programming in Java	8.0E	1	Core
MT 261	Several Variable Calculus for Non-majors	12E	1	Core
IE 255	Industrial Information System	8.0E	1	Core
ME 206	Strength of Material II	12E	1	Core
ME 202	Machine Elements and Design I	12.0E	2	Core
MT 271	Statistics for Non-majors	12.0E	2	Core
IE 232	Human Factors Engineering	12.0E	2	Core
CS 232	Web Technologies	8.0E	2	Core
ME 226	Thermodynamics	12E	2	Core
IE 260	Product Design	8.0E	2	Core
IE 245	Industrial Logistics Engineering	8.0E	2	Core
EI 100	Practical Training I	8.0	2	Core
<b>Third Year</b>				
IE 340	Engineering Operations Management	12E	1	Core
IE 354	Engineering Project Management	12E	1	Core
ME 303	Computer Aided Design	8.0E	1	Core
IE 370	Decision Support System Engineering	8.0E	1	Core
IE 347	Industrial System Engineering	8.0E	1	Core
	<i>Electives (minimum)</i>	12	1	Elective
ME 326	Combustion and Heat Transfer	8.0E	2	Core
IE 355	Quality Engineering and Management	8.0E	2	Core
IE 365	Industrial Systems Simulation	12	2	Core
ME 334	Computer Aided Manufacturing	8.0E	2	Core
ME 327	Industrial Energy Management	12	2	Core
IE 399	Research Methods for Engineers	8.0E	2	Core
EI 200	Practical Training II	8.0	2	Core
	<i>Electives (minimum)</i>	12	2	Elective
<i>Electives</i>				
IE 366	Queuing Theory	8.0E	1	Elective
IE 350	Industrial Environmental Management	8.0E	1	Elective
ME 332	Manufacturing Technology II	12E	1	Elective
IE 344	Introduction to Strategic Management	8.0E	2	Elective
ME 322	Renewable Energy Technology	12E	2	Elective
<b>Fourth Year</b>				
ME 431	Industrial Automation	8.0E	1	Core

Code	Course Title	Credits	Semester	Status
IE 440	Engineering Economics	8.0E	1	Core
IE 442	Operations Research	8.0E	1	Core
IE 443	Industrial Safety and Maintenance	8.0E	1	Core
IE 446	Innovation Management	8.0E	1	Core
IE 498	Final Project I	8.0	1	Core
	<i>Electives</i>	<i>12</i>	<i>1</i>	<i>Elective</i>
SC 430	General Engineering Procedures and Ethics	12E	2	Core
IE 448	Database Design and Analysis	12E	2	Core
IE 445	Entrepreneurship for Engineers	12E	2	Core
IE 499	Final Project II	12	2	Core
EI 300	Practical Training III	8.0	2	Core
	<i>Electives (Minimum)</i>	<i>12</i>	<i>2</i>	<i>Elective</i>
<i>Electives</i>				
IE 441	Human Resource Management for Engineers	8.0E	1	Elective
ME 425	Power Plants	12E	1	Elective
IE 444	Advanced Operations Research	8.0E	2	Elective
IE 447	Reliability Engineering	8.0E	2	Elective
ME 334	Computer Aided Manufacturing	8.0E	2	Elective

### **Bachelor of Science in Textile Design and Technology**

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
TX 103	Basic Mathematics for Textile Design	12.0E	1	Core
CS 171	Introduction to Computers and Programming for Engineers	8.0E	1	Core
TX 106	3D Workshop	8.0E	1	Core
PD 100	Engineering Drawing	10.0	1	Core
CL 111	Communications Skills for Engineers	12E	1	Core
DS 101	Development Perspectives I	12E	1	Core
TX 101	Apparel Technology	12E	1	Core
TX 108	Mathematics for Textile Design	12E	2	Core
TX 107	Principles of Design	12E	2	Core
TX 105	Pattern Design and Development	12E	2	Core
PD 101	Computer Aided Drafting	8.0	2	Core
TX 102	Product Branding and Brand Management	12E	2	Core
DS 102	Development Perspective II	12.0E	2	Core
<b>Second Year</b>				
TX 203	Introduction to Textile Processes	12E	1	Core
TX 201	Fibre Physics	8.0E	1	Core
TX 205	Textile Design with Fabrics	12E	1	Core
TX 211	Fashion Design	12E	1	Core
TX 202	Basic Textile Chemistry	8.0E	1	Core
CH 117	Organic Chemistry I	12E	2	Core
TX 206	Creative Fashion Design	12E	2	Core

Code	Course Title	Credits	Semester	Status
TX 204	Textile Physics	8.0E	2	Core
TX 207	Textile Processes	8.0E	2	Core
TX 217	Textile Chemistry	8.0E	2	Core
TX 208	Garment Technology	12E	2	Core
TX 210	Surface Textile Design	12E	2	Core
TX 218	Introduction to Interior Design	8.0E	2	Core
PT 1	Practical Training I	8	2	Core
<b>Third Year</b>				
TX 301	Textile Design with Garments	12E	1	Core
TX 302	Distribution and Logistics	8.0E	1	Core
TX 315	Coloration and Finishing Technology	8.0E	1	Core
TX 305	Marketing in Textiles	8.0E	1	Core
MG 340	Engineering Operations Management I	8.0E	1	Core
TX 323	Interior Design Technology	8.0E	1	Core
	<i>Elective Minimum Units</i>	8.0E	1	Elective
MG 441	Human Resource and Management	8.0E	1	Elective
IM 205	Business Research Methods	12E	1	Elective
TX 324	Fabric Technology	8.0E	1	Elective
TX 307	Colour Science and Technology	12E	2	Core
TX 304	CAD/CAM for Textiles	8.0E	2	Core
TX 308	Product Analysis	8.0E	2	Core
TX 309	Garment Pattern and Sample Development	12E	2	Core
TX 310	Supply Chain Management	12E	2	Core
PT 2	Practical Training II	8.0	2	Core
	<i>Elective Minimum Units</i>	8.0	2	Elective
MK 202	Marketing Research	12E	2	Elective
TX 409	Polymeric Biomaterials Engineering	8.0E	2	Elective
TX 320	Pulp and Paper Technology	8.0E	2	Elective
<b>Fourth Year</b>				
TX 498	Final Project I	8.0	1	Core
TX 401	Textile and Fashion Product Development	12E	1	Core
TX 402	Textile and Fashion Retail Promotion	12E	1	Core
TX 406	Environmental Aspects in Textile and Allied Industries	8.0E	1	Core
TX 414	Textile Quality Improvement	12E	1	Core
	<i>Elective Minimum Units</i>	8.0	1	Elective
MG 443	Industrial Safety and Maintenance	8.0E	1	Elective
TX 408	Leather and Footwear Technology	8.0E	1	Elective
TX 314	Nonwoven Engineering Principles	8.0E	1	Elective
TX 499	Final Project II	16	2	Core
TX 404	Textile and Fashion Visualization	12E	2	Core
MG 445	Entrepreneurship for Engineers	12E	2	Core
PT 3	Practical Training III	8.0	2	Core
	<i>Elective Minimum Units</i>	8.0	2	Elective
EN 339	Principles of Industrial Energy and Environmental Management	8.0E	2	Elective

Code	Course Title	Credits	Semester	Status
TX 415	Textile Economics	12E	2	Elective
TM 400	Engineering Ethics and Professional Conduct	4.0E	2	Elective

### Bachelor of Science in Textile Engineering

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
MT 161	Matrices and Basic Calculus for Non-Majors	12.0E	1	Core
CS 171	Introduction to Computers and Programming for Engineers	8.0E	1	Core
PD 100	Engineering Drawing	8.0	1	Core
CL 111	Communications Skills for Engineers	12.0E	1	Core
SD 105	Statics	12.0E	1	Core
DP 171	Fundamentals of Electrical Engineering I	8.0E	1	Core
DS 101	Development Perspectives I	8.0E	1	Core
PD 101	Computer Aided Drafting	12	2	Core
DP 172	Fundamentals of Electrical Engineering II	8.0E	2	Core
MT 171	One Variable Calculus and Diff. Equations for Non Majors	12.0E	2	Core
TE 171	Introduction to Electronics Engineering	12.0E	2	Core
DS 102	Development Perspective II	12E	2	Core
EG 119	Workshop Training	12.0E	2	Core
<b>Second Year</b>				
MT 261	Several Variables Calculus for Non Majors	12.0E	1	Core
TX 203	Introduction to Textile Processes	12.0E	1	Core
TX 202	Basic Textile Chemistry	8.0E	1	Core
TX 201	Fibres Physics	8.0E	1	Core
CH 117	Organic Chemistry I	12.0E	1	Core
TX 214	Polymer Science	12.0E	1	Core
TX 227	Theory of Textile Structures	12.0E	2	Core
EN 226	Thermodynamics I	12.0E	2	Core
TX 204	Textile Physics	8.0E	2	Core
TX 217	Textile Chemistry	8.0E	2	Core
MT 271	Statistics for Non Majors	12.0E	2	Core
ME 207	Mechanics of Machines	8.0E	2	Core
TX 207	Textile Processes	8.0E	2	Core
PT 1	Practical Training I	8.0	2	Core
<b>Third Year</b>				
TX 311	Spinning Mechanics	1.02E	1	Core
TX 312	Weaving Mechanics	12.0E	1	Core
EN 326	Thermodynamics II	8.0E	1	Core
TX 313	Knitting Technology	8.0E	1	Core
TX 314	Nonwoven Engineering Principles	8.0E	1	Core
TX 315	Coloration and Finishing Technology	8.0E	1	Core
	<i>Electives Minimum Units</i>	8.0	1	Elective

Code	Course Title	Credits	Semester	Status
IM 205	Business Research Methods	12.0E	1	Elective
MG 441	Human Resource and Management	8.0E	1	Elective
TX 316	Yarn Design and Construction	8.0E	1	Elective
TX 304	CAD/CAM for Textiles	8.0E	2	Core
TX 322	Coloration of Textile Materials	12E	2	Core
MG 340	Engineering Operations Management I	8.0E	2	Core
TX 317	Textile Materials Testing	12.0E	2	Core
TX 318	Textile Machinery and Maintenance	12.0E	2	Core
PT 2	Practical Training II	8.0	2	Core
	<i>Elective Minimum Units</i>	8.0		
TX 409	Polymeric Biomaterials Engineering	8.0E	2	Elective
TX 320	Pulp and Paper Technology	8.0E	2	Elective
TX 321	Fabric Design and Construction	8.0E	2	Elective
<b>Fourth Year</b>				
TX 498	Final Project I	8.0	1	Core
TX 412	Spinning Engineering	12.0E	1	Core
TX 414	Textile Quality Improvement	12.0E	1	Core
TX 452	Colour Measurement	12.0E	1	Core
TX 450	Textile Composites	8.0E	1	Core
MG 443	Industrial Safety and Maintenance	8.0E	1	Core
	<i>Electives Minimum Units</i>	8.0	1	Elective
TX 406	Environmental Aspects in Textile and Allied Industries	8.0E	1	Elective
TX 408	Leather and Footwear Technology	8.0E	1	Elective
TX 417	Technical Textiles	8.0E	1	Elective
TX 499	Final Project II	16.0	2	Core
TX 413	Weaving Engineering	12.0E	2	Core
MG 445	Entrepreneurship for Engineers	12.0E	2	Core
TX 451	Knitting Structures	8.0E	2	Core
PT 3	Practical Training III	8.0	2	Core
	<i>Electives Minimum Units</i>	8.0	2	Elective
EN 339	Principles of Industrial Energy and Environmental Management	8.0E	2	Elective
PD 431	Automation and Robotics	12.0E	2	Elective
TX 415	Textile Economics	12.0E	2	Elective

### CoET PRINCIPAL ADDRESSES

Address	Telephone	Fax	E-Mail
Principal CoET P. O. Box 35131 Dar es Salaam	+255 - 22 2410753 +255 - 22 2410029 +255 - 22 2410752	+255 - 22-2410114	principalcoet@udsm.ac.tz
Deputy Principal CoET P. O. Box 35131 Dar es Salaam	+255 - 22 2410024 +255 - 22 2410029 +255 - 22 2410752	+255 - 22-2410114	dparc@udsm.ac.tz
Head of	+255 - 22 2410754	+255 - 22-2410114	dpe@udsm.ac.tz

<b>Address</b>	<b>Telephone</b>	<b>Fax</b>	<b>E-Mail</b>
Department Mechanical and Industrial Engineering (MIE) P. O. Box 35131 Dar es Salaam			
Head of Department Structural and Construction Engineering (SCE) P. O. Box 35131 Dar es Salaam	+255 - 22 2410752	+255 - 22-2410114	head-sce@udsm.ac.tz
Head of Department Transportation and Geotechnical Engineering (TGE) P. O. Box 35131 Dar es Salaam	+255 - 22 2410128	+255 - 22-2410114	head_tge@udsm.ac.tz
Head of Department Water Resources Engineering (WRE) P. O. Box 35131 Dar es Salaam	+255 - 22 2410129	+255 - 22-2410114	wrep@udsm.ac.tz
Head of Department Chemical and Mining Engineering (CME) P. O. Box 35131 Dar es Salaam	+255 - 22 2410368	+255 - 22-2410114	head-cme@udsm.ac.tz
Head of Department Electrical Engineering (EE) P. O. Box 35131 Dar es Salaam	+255 - 22 2410754	+255 - 22-2410114	head-ee@udsm.ac.tz
Manager Technology Development and Transfer Centre (TDC) P. O. Box 35075 Dar es Salaam	+255 - 22 2410376 +255 - 22 2410379	+255 - 22-2410376	tdtc@udsm.ac.tz
Manager	+255 - 22 2410113	+255 - 22-2410114	bico@udsm.ac.tz

Address	Telephone	Fax	E-Mail
Bureau for Industrial Cooperation (BICO) P. O. Box 35131 Dar es Salaam			

## CoET STAFF LIST

### Office of the Principal

*Associate Professor and Principal*

B. M. M. Mwinyiwiwa, BScEng (Dar), MEng (McGill), PhD (McGill)

*Senior Lecturer and Deputy Principal*

H. J. Bwire, BScEng, MSc, PhD (Dar)

*Senior Lecturer and Manager, Bureau for Industrial Co-operation (BICO)*

M. J. Manyahi, BScEng (Dar), MSc (Strathclyde), PhD (Uppsala)

*Senior Lecturer and Project Coordinator, Bureau for Industrial Cooperation (BICO)*

D. M. M. Mulungu, BScEng (Dar), MSc, PhD (Kyoto)

*Lecturer and Manager, Technology Development and Transfer Centre (TDTC)*

S. I. Marandu, BScEng, MScEng (Dar), PhD (Newcastle)

*Lecturer and Coordinator, Planning & Resource Mobilization and External Links*

V. E. Mahabi, BScEng (Dar), MSc (Loughborough), PhD (Florida State)

*Senior Lecturer and Coordinator, Research and Postgraduate Studies*

P. C. Ndumbaro, Dip. Ing. (Sofia), M.Sc. (MIT), Ph.D. (Imperial)

*Senior Lecturer and Coordinator, Undergraduate Studies*

J. H. Kihedu, BScEng, MScEng (Dar), PhD (Nagoya)

*Lecturer and Coordinator, Timetable*

E. E. Fungo, BScEng, MSc (Dar), PhD

*Lecturer and Coordinator of Quality Assurance*

M. C. Materego, BScEng (Dar), MScEng (Sheffield), PhD (Leeds)

*Lecturer and Deputy Manager, Technology Development and Transfer Centre (TD)*

E. E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)

*Lecturer and Deputy Manager, Technology Development and Transfer Centre (TT)*

J. J. Justo, BScEng (Dar), PhD (Dongguk)

*Lecturer and Coordinator, Gender*

D. Kaombe, BScEng (Dar), MSc. (Reading), PhD (Trondheim)

*Chief Laboratory Engineer I and Head, Central Technical Service*

J. L. Kamara, BScEng, MEM (Dar)

*Lecturer and Coordinator, Practical Training*

M. Mtebwa, BScEng (Dar), MSc, PhD (EPFL, Lausanne)

*Professor and Chief Editor, Tanzania Journal of Engineering and Technology (TJET)*

A. W. Mayo, BScEng Eng (Dar), MSc (Tampere), PhD (Tohoku)

*Administrative Officer I and Head, Human Resource Management and Administration (HRM&A)*

B. D. Mushi, BA PSPA International Relations (Hons) (Dar), MSc. HRM (Salford)

*Administrative Officers*

G. C. Ladislaus, BA MBA (Dar)

J. E. M. Bukuku, Dip Clin Med, MATC (Mbeya), BASO (Dar), MADemo (Dar)

M. A. Luziga, BA PSPA (Dar)

*College Accountant*

A. Hassan, CPA (T), MBA (Dar)

*Assistant Accountant*

G. J. Lihuluku, Dipl. (Accounts), Adv. Dipl. (Accounts) (CBE)

*Head, Procurement Management Unit*

A. N. Mcharo, MSc. PSCM (Mzumbe), CPSP (PSPTB), Adv. Diploma P&SM (CBE)

*Senior Ass. Supplies Officer*

V. Makero, ADPS (CBE), NSKC

*Administrative Assistants*

B. F. Msumba

A. A. Ndanshau

A. I. Kido

*Office Management Secretaries*

A. A. Ndanshau

R. M. Mwabba

J. O. Bakari

Z. H. Haji

*Higher Clerical Officer*

M. E. Shambwe

*Office Attendants*

D. S. Kilakala

D. S. Mwanakosa



## **DEPARTMENT OF CHEMICAL AND MINING ENGINEERING (CME)**

### *Senior Lecturer and Head*

A. J. Salama, BScEng (Dar), MScEng (Paris School of Mining), PhD (Lulea)

### *Professors*

S. V. Manyele, B.Sc. (Eng.), M.Sc. (Dar). Ph.D. (Western Ontario)

### *Associate Professors*

E. N. Elisante, BScEng (Dar), MScEng (Arizona), PhD (Tohoku)

A. K. Temu, BScEng (Dar), MSc, PhD (Trondheim)

### *Senior Lecturers*

A. J. M. Itika, BScEng (Dar), MScEng (Leeds), PhD (TU, Clausthal)

H. T. H. Kimweri, BScEng (Dar), MSc (Ottawa), PhD (British Columbia)

O. B. Kibazohi, BScEng (Dar), MSc, PhD (Waterloo)

R. J. A. Minja, BScEng (Dar), MAsc (Ottawa), PhD (NTNU)

S. J. E. Maronga, BScEng (Dar), MSc (Texas A&M), PhD (KTH, Stockholm)

### *Lecturers*

A. J. Salama, BScEng (Dar), MScEng (Paris School of Mining), PhD (Lulea)

A. W. Wikedzi, BScEng (Dar), MSc (Lulea), PhD (Freiberg)

D. D. Kaombe, BScEng (Dar), MSc (Reading, UK), PhD (Trondheim)

D. R. Mfanga, BScEng (Dar), MScEng (Laurentian), PhD (Aberdeen)

H. M. Hiji, BScEng, MScEnvEng, PhD (Dar)

K. K. Janga, BScEng (Dar); MSc (Dar), PhD (Trondheim)

K. R. Baruti, BScEngMN (Zambia), MScEnvMan (Australia), PhD (Dar)

\*\*\*M. D. Budeba, BScEng (Dar), MSc (Witswatersrand), PhD (Pretoria)

M. M. Said, BScEng, MSc (Dar), PhD (Dar)

N. O. Msuya, BScEng, MScEng (Dar), PhD (Dar)

R. J. Katemi, BScEng, MScEng (Dar), PhD (Bremen)

S. J. Mafwenga, BScEngMNSc (Zambia) MScMN (South Illinois), PhD (Dar)

Z. J. Katima, BScEng (Dar), MSc (Ghent), PhD (Tshwane)

O. J. Mkinga, BScEng (Dar), MScPE (NTNU), PhD (NTNU)

### *Assistant Lecturers*

M. S. Dotto, BScEng (Dar), MSc (Edmonton)

\*A. K. Isibika, BScEng, MScEng (Dar)

\*A. M. Sykilili, BScEng (Dar), MScPE (NTNU)

\*B. F. Giyani, BScEng (Dar), MSc (UBC)

\*D. L. Kaunga, BScEng (Dar), MScEng (Newcastle)

\*F. W. Andalu, BScEng (Dar), MScPE (NTNU)

F. M. Ngoroma, BScEng (Dar), MScMPE (UCT)

G. W. Mwaselela, BScEng (Dar), MSc (Exeter)

\*G. W. Kilasa, BScEng (Dar), MSc (UBC)

\*J. M. Jeremiah, BScEng, MScEng (Dar)

K. K. Izina, BScEng (Dar), MScEng (Laurentian)

\*P. S. Kaheshi, BScEng (Dar), MScEng (Exeter)

R. M. Mworira, BScEng (Dar), MScPE (NTNU)

\*S. M. Said, BScEng (Dar), MScCE (Newcastle)

N. B. Mjami, BScEng (Dar), MScOG (Aberdeen)  
A. B. Mkilindi, BScEng (Dar), MScPE (NTNU)  
F. S. Kaborogo, BScEng (Dar), MScPE (NTNU)  
A. N. Rweyemamu, BScEng (Dar), MScPE (NTNU)  
E. Malisa, BScEng (Dar), MScOG (Aberdeen)  
A. Maswi, BScEng (Dar), MScPE (NTNU)

*Tutorial Assistant*

N. Bernard, BScEng (Dar)  
\*D. S. Kalitenge, BScEng (Dar)  
M. B. Luc, BScEng (Dar)  
M. Luhasile, BScEng (Dar)

*Chief Laboratory Engineers*

J. L. Kamara, BScEng, MSc (Dar)

*Laboratory Engineer I*

M. Samki, BScEng (Dar)  
S. S. Nzogera, BScEng (Dar)

*Laboratory Engineer II*

S. D. Ikomeja, BScEng (Dar)

*Laboratory Engineer III*

G. Nsemwa, BScEng (Dar), MScPE (NTNU)

*Principal Technician II*

G. Mwakasege

*Laboratory Technician*

A. M. Kibegwa

*Foreman*

R. Komba  
F. F. Mkawe

*Office Management Secretary*

N. E. Jambo

*Secretary*

R. Kasongwa

*Office Attendant*

G. J. Ndyamukama

**DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING**

*Senior Lecturer and Head*

G. S. Mwaluko, BScEng (Dar), MScEng (Strathclyde), PhD (SA)

### *Associate Professors*

C. Z. M. Kimambo, BScEng (Dar), MScEng (Reading), PhD (City Univ. London)  
B. A. T. Kundi, BScEng (Dar), MScEng, PhD (Waterloo)  
B. B. Nyichomba, BScEng (Dar), MScEng, PhD (Birmingham)  
\*\*\*E. A. M. Mjema (M), BScEng (Dar), MScEng (Alberta), DrIng (Aachen)  
N. G. Nalitolela, BScEng (Dar), MScEng (Newcastle Upon Tyne), PhD (Aston)

### *Senior Lecturers*

\*\*\*T. E. Mwinuka, BScEng (Dar), MScEng (Dar), MSc (Warwick), PhD (Manchester)  
B. S. Ndazi, BScEng, MScEng, PhD (Dar)  
E. N. Elias, BScEng (Dar), MScEng (Newcastle Upon Tyne), PhD (Strathclyde)  
F. A. Chami, MSc (Moscow), PhD (Dar)  
G. S. Mwaluko, BScEng (Dar), MScEng (Strathclyde), PhD (SA)  
H. M. Rajabu, BScEng (Dar), MSc (Leeds), PhD (Dar)  
J. H. Kihedu, BScEng, MScEng (Dar), PhD (Nagoya)  
L. V. Haule, BScEng (Dar), MSc (Manchester), PhD (Manchester)  
M. I. Mgwatu, BScEng (Dar), MASc Eng (Ottawa), PhD (Dar)

### *Lecturers*

C. M. Kahabi, BA (Dar), MPhil (Manchester), PhD (Huddersfield)  
D. A. Mahwera, BScEng (Dar), MPhil (Manchester), PhD (Huddersfield)  
E. E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)  
I. J. Macha, BScEng (Dar), MSc (KTH), PhD (UTS, Sydney)  
J. M. Kafuku, BScEng (Dar), MEM (Dar), PhD (UTM)  
J. M. Matindana, BScEng (URP) (Dar), MEM, PhD (Dar)  
M. C. Materego, BScEng (Dar), MScEng (Sheffield), PhD (Leeds)  
M. H. Mrango, BScEng (Dar), MSc, PhD (Manchester)  
M. H. Mtebwa, BScEng (Dar), MSc, PhD (EPFL, Lausanne)  
N. E. Mushi, BScEng (Dar), MSc, PhD (KTH)  
P. B. Msemwa, BScEng, MScEng, PhD (Dar)  
P. M. Bulemo, BScEng (Dar), MScTXT (Manchester), PhD (KAIST)  
P. N. Bigambo, BScEng (Dar), MScTXT (Manchester), PhD (Leeds)  
S. I. Marandu, BScEng, MScEng (Dar), PhD (Newcastle)  
V. E. Mahabi, BScEng (Dar), MSc (Loughborough), PhD (Florida State)  
J. V. Machuve, BScEng (Dar), MEM (Dar), PhD (Dar)  
S. P. Ayeng'o, BScEng, MScEng (Dar), PhD (RWTH Aachen)

### *Assistant Lectures*

\*S. I. Shariffu, BScEng, MScEng (Dar)  
\*J. M. Ngowi, BScEng, MEM (Dar)  
\*M. John, BScEng, MScEng (Dar)  
\*T. V. Nyaketoleka, BScEng (Dar), MScTXT (Manchester)  
A. R. Kagwa, BScEng, MEM (Dar)  
L. R. Msalilwa, BScEng (Dar), MScEng (Niederrheim)  
J. M. Bidu, BScEng (Dar), MScEng (Niederrheim)  
A. M. Mwakibambo, BScEngPE (Dar), MScEng (Niederrheim)  
M. P. Nnko, BScEngEME (Dar), MEM (Dar)  
L. N. Mwenkitete, BScEngChem, MSc (Dar)  
\*F. V. Makonela, BScEng, MSc Eng (Dar)

\*I. W. R. Taifa, BScEng (IEM) (Dar), MSc. (India)  
J. M. Lutta, BA (ARU), MSc (DIA - Germany)  
M. S. Halinga, BScEng (ME) (Dar), MSc. (Rutgers)  
V. S. Jolly, BScEng (IEM) (Dar), MSc. (KAIST)  
F. J. Mweta, BScEng (ME) (Dar), MSc (KAIST)  
T. H. Alexander, BScEng (TXD) (Dar), MSc (India)  
\*E. W. Nshama, BScEng (ME) (Dar), MSc (Toyohashi)  
E. D. Nyanga, BScEng (ME) (Dar), MSc (Cranfield)

*Tutorial Assistants*

H. J. Nyobuya, BScEng (ME) (Dar)  
C. W. Nyaketoleka, BScEng (ME) (Dar)  
J. Mollel, BScEng (Dar)  
C. J. Joseph, BScEng (Dar)

*Chief Technicians*

K. M. Maswanya  
M. K. Wanchara

*Senior Technician II*

O. W. Hazali

*Laboratory Technician II*

L. Mwamakula

*Principal Laboratory Assistants I*

J. N. Tarimo

*Foreman*

E. D. Mbeleka

*Secretary II*

F. Katanga

**DEPARTMENT OF STRUCTURAL AND CONSTRUCTION ENGINEERING  
(SCE)**

*Lecturer and Head of Department*

F. K. Mohamed, BA (TIT-Tokyo), MA, PhD (Tokyo)

*Associate Professors*

N. M. Lema, BScEng (Dar), MSc, PhD, (Loughborough)  
I. A. Rubaratuka, MSc, PhD (Kiev)

*Senior Lecturers*

J. K. Makunza, BScEng, MSc (Dar), Dr. Ing (Dortmund)  
P. C. Ndumbo Dip.Ing (Sofia), MSc (MIT), PhD (London)  
L. M. Shirima, BScEng, MSc (Dar), Dr. Ing (Dortmund)

*Lecturers*

\*\*\*L. M. Chamuriho, BScEng (Dar), MSc (Illinois at Urbana-Champaign), PhD (Tokyo)  
H. M. Kiwelu, BScEng (Dar), MScEng (Brunswick), PhD (Brunswick)

F. K. Mohamed, BA, MA, PhD (Tokyo)

F. X. Momanyi, MSc, PhD (Bologna)

*Assistant Lecturers*

H. A. Mwambingu, BScEng, MScEng (Rostov)

\*E. Matemba, BScEng, MScEng

H. L. Kalenga, BScEng (Dar), MSc (Laurentian)

\*J. G. Kessy, BScEng (Dar), MSc (Cape Town)

\*E. L. Akonay, BScEng (Dar), MSc (Cape Town)

\*P. Z. Holela, BScEng, MScEng (Dar)

\*E. E. Moshi, BScEng, MScEng (Dar)

\*R. R. Mahundi, BScEng, MScEng (Dar)

\*D. A. Malyuta, BScEng (Dar), MScEng (Tennessee)

B. N. Lyakwipa, BA (Dar), MScArch (Polytechnic)

E. A. Mgumi, BA, MA(Russia)

S. B. Mwamanege, BA (India), MScArch (Italy)

F. A. Munishi, BScEng, MScEng (China)

G. Felician, BScEng, MSc (ARU)

\*M. M. Lubasa, BScEng, MSc (ARU)

\*Y. J. Myamba, BScEng, MSc (Dar)

M. B. Kilumile, BScEng (UDSM), Masters (Polytechnic University of Catalonia)

M. R. Sisila, BA (ARU), MSc. (Politecnico di Milano)

W. W. Mrema, BScEng (Dar), MSc (Dundee)

C. E. Kimaro, BA, MA(ARU)

C. J. Bhoke, BSc, MA(ARU)

J. S. Ntiyakunze, BSc, MSc (ARU)

\*W. Mmari, BScEng (Dar), MSc (Linnaeus)

\*A. T. Bakera, BScEng (Dar), MSc (Cape Town)

A. C. Behitsa, BA, MA (ARU)

C. E. Olomi, BA (ARU), MSc (Tianjin)

\*D. S. Augustino, BScEng (Dar), MSc (Linnaeus)

L. K. Kakuru, BA (ARU), MA (Nottingham)

S. S. Munisi, BA, MA (ARU)

H. J. Mtyana, Adv. Dipl. (DIT), PGD (Dar), MSc (Dar)

R. Mluzya, BSc, MSc (ARU)

*Tutorial Assistants*

\*R. F. Komba, BScEng (Dar)

\*R. G. Sanga, BA (ARU)

D. F. Msumba, BA (ARU)

A. Mwakyububu, BScEng (Dar)

M. Marco, BSc (ARU)

N. J. Lyimo, BScEng (Dar)

*Laboratory Engineer*

H. J. Mwanga

*Laboratory Technician I*

E. S. Mwendu

*Senior Technician*

R. Metta, FTC, BScEngIT, MIB (Dar)

*Office Management Secretary I*

G. F. Kiwia

**DEPARTMENT OF TRANSPORTATION AND GEOTECHNICAL  
ENGINEERING (TGE)**

*Lecturer and Head*

S. P. Rimoy, BScEng (Dar), MScEng, PhD (Imperial College)

*Professor*

D. A. Mfinanga, BScEng (Dar), MSc (Miyazaki), PhD (Kyushu)

*Associate Professors*

N. K. M. Mushule, BScEng (Dar), MSc (Calgary), PhD (Dar)

*Senior Lecturers*

E. N. Masaoe, BScEng (Dar), MSc (Strathclyde), PhD (Dar)

H. J. Bwire, BScEng, MSc, PhD (Dar)

\*\*\*P. M. S. Bujulu, BScEng (Dar), MScEng (Hanover), PhD (Trondheim)

*Lecturers*

E. E. Rwakarehe, BScEng, MSc (Dar), PhD (New Brunswick)

S. P. Rimoy, BScEng (Dar), MScEng, PhD (Imperial College)

E. Fungo, BScEng, MSc (Dar), PhD (Stellenbosch)

E. J. Elvis, BScEng (Dar), MSc, PhD (Nottingham)

A. P. Lubida, BScEng (Dar), MSc (SUA), PhD (Dar)

*Assistant Lecturers*

\*J. M. Ijumulana, BScEng, MSc (Netherlands)

\*F. K. Mutabazi, BScEng, MSc (Dar)

J. S. Masiko, BScEng (Dar), MSc (Nottingham)

\*E. R. Ruhazwe, BScEng (Dar) MEng (Tennessee)

\*J. E. Masaki, BScEng (Dar), MSc (Florida) J Mango,

N. C. Batakanwa, BScEng MSc (ARU)

B. A. Nzoshe, BScEng (UDSM), MSc (Tsukuba, Japan)

L. V. Kato, BScEng (ARU), MSc (Netherlands)

\*J. M. Mango, BScEng (ARU), MSc (Karadeniz)

\*M. F. Chiyanda, BScEng (Dar), MEng. (Tennessee-Chattanooga)

\*H. J. Haule, BScEng (Dar), MSc (UNF-Florida)

*Tutorial Assistants*

G. P. Mwaijande, BSc (ARU)

C. Bachwenkizi, BSc Geomatics (ARU)

*Laboratory Engineer I*

R. H. Maganga, BScEng (Dar) MSc (HE) (Dar)

F. O. Msafiri

*Laboratory Scientist I*

S. A. Muneja, BScEng (Dar) MSc (ARU)

*Laboratory Engineer III*

G. J. Nchimbi, BScEng (Dar) MSc (ARU)

*Chief Technician*

B. Eshiwakwe

M. M. Bisake

*Technician III*

L. E. Mwiganege

*Laboratory Technician I*

Y. J. Lusega

*Senior Office Attendant III*

J. W. Kalwani

*Secretary*

F. S. Mkomeni

**DEPARTMENT OF WATER RESOURCES ENGINEERING (WRE)**

*Lecturer and Head*

A.C. Alexander, BScEng, MSc (Dar), PhD (Tshwane)

*Professors*

F. W. Mtalo, BScEng, MSc (Dar), Dr. Ing (Munich)

A. W. Mayo, BScEng (Dar), MSc (Tampere), PhD (Tohoku)

*Associate Professor*

\*\*\*P. M. Ndomba, BScEng, MSc, PhD (Dar)

*Senior Lecturers*

J. N. Kirway, BScEng (Dar), MSc, PhD (Yokohama)

D. M. M. Mulungu, BScEng (Dar), MSc, PhD (Kyoto)

R. J. Kimwaga, BScEng, MSc, PhD (Dar)

*Lecturers*

A. C. Alexander, BScEng, MSc (Dar), PhD (Tshwane)

J. O. Mtamba, BScEng, MSc, PhD (Dar)

P. C. Valimba, BScEng, MSc (Dar), PhD (Grahams Town)

S. E. Munishi BScEng, MSc (Dar), PhD (Kwazulu Natal)

\*N. P. Shija, BSc (Dar), MSc (Brunswick)

*Assistant Lecturers*

F. J. Izdori, BScEng, MSc (Dar)

\*E. N. Richard, BScEng, MSc (Dar)

F. K. Shagega, BScEng, MSc (Dar)

N. T. Kashiya, BScEng (ARU), MSc (Dar)

*Principal Technician I*

A. S. Ullomi

*Secretary III*

S. L. Mlingi

**DEPARTMENT OF ELECTRICAL ENGINEERING**

*Head of Department*

S. L. Kihwele, BScEng, MScEng (Dar), PhD (Yonsei)

*Associate Professor*

B. M. M. Mwinyiwiwa, BScEng (Dar), MEng (McGill), PhD (McGill)

*Senior Lecturers*

M. J. Manyahi, BScEng (Dar), MSc (Strathclyde), PhD (Uppsala)

N. K. Lujara, BScEng (Dar), MEng (McGill), DrIng (Rand Afrikaans)

*Lecturers*

A. T. Mushi, BScEng, MScEng (Dar), PhD (Yokohama)

E. S. Matee, BScEng (Northumbria), MScEng (New Castle), PhD (Tennessee Tech)

F. A. Mwasilu, BScEng (Dar), PhD (Dongguk)

J. J. Justo, BScEng (Dar), PhD (Dongguk)

S. L. Kihwele, BScEng, MScEng (Dar), PhD (Yonsei)

*Assistant Lectures*

\*A. M. Salimu, BScEng (Dar), MScEng (Dongguk)

\*P. M. Makolo, BScEng (Dar), MScEng (Chalmers)

\*R. S. Mollel, BScEng (Vilnius), MScEng (Arkansas)

\*H. Y. Mkindu, BScEng (Wuhan), MSc (Dar)

\*G. W. Mhagama, BScEng, MSc (Dar)

I. A. Mwammenywa, BScEng (Dar), MScEng (Mandela)

\*M. R. Msukwa, BScEng (Dar), MSc (Toyohashi)

I. H. Masenge, BScEng, MSc (Dar)

\*R. H. Myovela, BScEng (Dar), MSc (Nagoya)

\*S. O. Kasinge, BScEng (Dar), MSc (Mandela)

J. Sisala, BScEng, MSc (Dar)

*Tutorial Assistants*

\*E. P. Mwaigaga, BScEng (Dar)

\*E. T. Marcel, BScEng (Dar)

P. Paul, BScEng (Dar)

\*A. K. Kahwa, BScEng (Dar)

*Chief Technician*

S. A. Kyomo, FTC

*Technician II*

M. M. Mkwai, Ord. Dipl

*Secretary III*

Z. A. Mchambe



## **TECHNOLOGY DEVELOPMENT AND TRANSFER CENTRE (TDTC)**

### *Lecturer and Manager*

S. I. Marandu, BScEng, MScEng (Dar), PhD (Newcastle)

### *Lecturer and Deputy Manager (Technology Development)*

E. E. Mbise, BScEng (Dar), MScTXT (Manchester) PhD (NTU)

### *Lecturer and Deputy Manager (Technology Transfer)*

J. J. Justo, BScEng (Dar), PhD (Dongguk)

### *Head of Workshop (TDTC)*

R. W. Mwaruka

### *Multidisciplinary Workshop*

#### *Foremen*

J. N. Mndeme

R. M. Ismail

Y. S. Mohamedi

S. M. Chambuso

W. Y. Mlacha

J. Mbolela

### *Senior Artisan I*

J. H. Mwanahumu

M. J. Lugenge

### *Artisan II*

A. C. Nyenyembe

### *Secretary*

Q. Mwalukunga

## **TRAINING WORKSHOPS (TWs)**

### *Senior Workshop Instructors I and Head*

M. S. Killo, FTC (DTC), ADE (DIT), PGD (Dar)

### *Laboratory Engineer III*

A. Mwaibambe

### *Chief Workshop Instructors*

M. P. Jahulula, FTC (TCA), ADE (DIT), PGD, MEM (Dar), MBA (Tumaini)

W. R. Mwaruka, BScEng, MSc (Dar)

A. A. Mchomvu, FTC (TCA), BScEng (OUT)

### *Principal Workshop Instructors II*

C. E. B. M. Amos, ADE (DIT), PGD, MSc (Dar)

### *Senior Workshop Instructors I*

M. S. Killo, FTC (DTC), ADE (DIT), PGD (Dar)

### *Workshop Instructor I*

F. R. Duduye, FTC (TCA), ADE (DIT), PGD (Dar)

G. P. Makusa, BScEng (Dar), MSc, PhD (Stokholm)  
J. S. Mnendo, BScEng (CSE), MSc (HE) (Dar)  
S. P. Kyabula, BScEng (CSE) (Dar)  
R. D. Kokushuliza, BScEng, MSc (Dar)

*Workshop Instructors II*

E. W. Mkenda, DipEng (ATC), BScEng (DIT)  
J. I. Kiyenzemale

*Principal Inspector of Works*

P. S. Asenga

*Principal Technician II*

R. J. Manota, FTC (DIT), ADE (MIST)

*Senior Technician I*

M. E. Msengi, CertPed (Germany), FTC (DIT)

*Senior Laboratory Assistant II*

D. R. Mutayoba, Trade Test Grade I (NVTC)

*Foreman*

S. J. Mhando

*Principal Artisan I*

H. Ndiale, Trade Test Grade I  
T. R. Mwanjala, Trade Test Grade I  
M. Ramadhani

*Principal Artisan II*

A. L. Kwembe, Trade Test Grade I  
C. C. Kalikera, Trade Test Grade I

*Senior Artisans I*

J. J. Msenji, Trade Test Grade I

*Artisan IV*

P. E. Buzoya  
F. F. Mtafya  
Y. O. Juma

*Secretary II*

Damali Lawrence Mataro

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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 of 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; the Centre for Communication Studies (CCS) and the 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:

CA:	Creative Arts	CL:	Communication Skills
CM:	Chinese Languages	LL:	Foreign Languages and Linguistics
HI:	History	LT:	Literature
AY:	Archaeology and Heritage Studies	PL:	Philosophy and Religious Studies
HM:	Heritage Management		

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 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 BA (Education) degree which is coordinated by the office of the Deputy Principal of the College.

Table 1: Degree programmes in the College of Humanities:

<b>Degree programme</b>	<b>Hosting Department</b>
1. BA (Language Studies)	Foreign Languages and Linguistics
2. BA (Literature)	Literature
3. BA (Art and Design)	Creative Arts
4. BA (Music)	Creative Arts
5. BA (Theatre Arts)	Creative Arts
6. BA (Film and Television Studies)	Creative Arts
7. BA (History)	History

8. BA (Diplomatic and Military History)	History
9. BA (History and Political Science)	History
10. BA (History, Cultural Heritage Management & Tourism)	History
11. BA (Archaeology)	Archaeology and Heritage Studies
12. BA (Heritage Management)	Archaeology and Heritage Studies
13. BA (Archaeology and Geography)	Archaeology and Heritage Studies
14. BA (Archaeology and History)	Archaeology and Heritage Studies
15. BA (Philosophy and Ethics)	Philosophy and Religious Studies
16. BA (Communication Studies)	Centre for Communication Studies
17. BA (Education) (CoHU)	Office of the Deputy Principal

Courses for any degree programme are classified as core, elective and college or university-wide. All degree programmes must comply with the 60 credits as minimum and a maximum of 72 credits per semester.

Table 2: College/University wide courses

Code	Title	Status
AS 102	Introduction to Social Science Research Methods (12 credits)	Core for all except BA (Education), BA (Language Studies), BA (Archaeology), BA (Archaeology and History), and BA (Archaeology and Geography) taking AY 214
AS103	Introduction to Quantitative Research Methods (12 credits)	Core for all except BA (Education), BA (Language Studies), BA (Archaeology), BA (Archaeology and History), and BA (Archaeology and Geography) taking AY 214
AS 217	Introduction to Computers (12 credits)	Elective for all
AS 220	Pan-African Thought and Practice I (12 credits)	Elective for all except where a Department decides otherwise
AS 221	Pan-African Thought and Practice II (12 credits)	Elective for all except where a Department decides otherwise
AS 299	Second Year CoHU Practical Training (formerly CASS PT) (12 credits)	Core for all except BA (Education), BA (Archaeology) BA (Archaeology and History), BA (Archaeology and Geography) taking AY 220 and BA (Heritage Management taking AY 230)*
CL106	Communication Skills for Humanities (12 credits)	Core for all except BA (Language Studies) and BA (Literature)
CL107	Communication Skills for Science	Elective for all except where the department decides otherwise
CL108	Business Communication	Core for all UDBS students
CL111	Communication Skills for Engineering	Core for all Engineering students
PL111	Introduction to Critical Thinking and Argumentation (12 credits)	Core for all except BA (Education)

DS112	Development Perspectives I (12 credits)	Core for all
DS113	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, AS 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:

#### **Literature**

At least two language courses one of which should be Literature at the ACSEE with a minimum of principal pass.

#### **Languages**

At least two language courses at the ACSEE with a minimum of principal pass.

#### **History**

At least two principal passes in arts subjects at the ACSEE level provided one of the principal passes is in History.

#### **Diplomatic and Military History**

At least two principal passes in arts subjects at the ACSEE level provided one of the principal passes is in History. Equivalent qualifications include an appropriate Diploma of not less than Second Class/Credit level or B grade obtained from a college which is approved by the UDSM Senate. For Diplomas that are further classified into Upper and Lower classes, the requirement shall be an Upper Second class or B+ average. Diploma programmes in the fields of history, military, diplomacy, war, security and strategic studies and related disciplines are most relevant to this programme.

#### **History, Cultural Heritage Management and Tourism**

At least two principal passes in arts subjects at the ACSEE level provided one of the principal passes is in History. Equivalent qualifications for this programme include an appropriate Diploma of not less than Second class/Credit level or B grade obtained from a college which is approved by the UDSM Senate. For Diplomas that are further classified into Upper and Lower classes, the requirement shall be an Upper Second class or B+ average. Diploma programmes in the fields of history, heritage management, tourism, hospitality, archives, museum, archaeology, and wildlife conservation, and related disciplines are most relevant to this programme. It should be noted that applicants who have graduated from the diploma programmes in heritage management and tour guidance offered by the University of Dar es Salaam and who have scored an upper second class or higher are qualified to join this programme.

#### **Archaeology**

At least two principal passes in arts and science subject combinations at the ACSEE level.

**Archaeology and Geography**

At least two principal passes in appropriate subjects one of which should be Geography.

**Archaeology and History**

At least two principal passes in appropriate subjects one of which should be History.

**Heritage Management**

At least two principal passes one of which should be History; or a good grade (GPA of 3.8 and above) of the UDSM Diploma in Heritage Management and Tour Guidance.

**Creative Arts**

At least 2 principal passes in arts subjects at the ACSEE level. Equivalent qualifications include:

- Diploma of Butimba Teachers' Training College, with an average of B+ or above.
- Diploma of Taasisi ya Sanaa na Utamaduni Bagamoyo (TaSUBa), formerly the Bagamoyo College of Arts, with an average of B+ or above.

**BA (Education)**

A minimum pass at the level of principal in two ACSEE social science subjects. Applicants with a minimum of one principal pass in arts subjects and another minimum of a principal pass in mathematics can also be admitted.

**BA Communication Studies**

At least five passes at O-level with at least C in English and Advanced Certificate of Secondary Education Examination (ACSEE) with two or more principal level passes.

- Equivalent Diploma with an overall grade of 'B' OR possession of a Diploma in Communication Studies or any other relevant field (such as Public relations, Education, Management, Tourism, Journalism and Mass communication) of not less than Second class/Credit or 'B' grade obtained from a recognised institution.

**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 BA (Art and Design), BA (Film and Television Studies), BA (Music) and BA (Theatre Arts), as well as those selected from the UDSM Diploma in Heritage Management and Tour Guidance for BA (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 must take and pass a minimum of 360 credits and a maximum of 432 credits.
- 3 Each student must take a minimum of 60 credits and a maximum of 72 credits per semester.

### **College Examination Regulations**

The regulations shall apply to all first, second and third year Bachelor of Arts examinations in the College.

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).

The University Examinations shall include the entire process of assessment, that is, coursework assignments and tests, practical and final examinations.

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.

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 %

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.

For purposes of degree computation, these grades shall have the values of:

A	=	5
B+	=	4
B	=	3
C	=	2
D	=	1
F	=	0

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.
- (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)

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.

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.

Special examinations given at the time of supplementary examinations will be treated as first sitting and graded as such.

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.

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.

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 programmes
AY 120	Field Training in Archaeology-Survey	Core	12	BA (Archaeology) BA (Archaeology and History) BA (Archaeology and Geography) BA (Heritage Management)

Duration: 8 weeks of long-vacation

First Year Teaching Practice for all BA (Education) Students

Code	Title	Status	Credits	Degree programmes
CT 101	First Year Teaching Practice	Core	12	BA (Education)

Duration: 8 weeks of long-vacation

N.B. CT 101 is administered by the School of Education

#### Second Year

Second Year Special Practical Training in the Department of Archaeology and Heritage Studies

Code	Title	Status	Credits	Degree programmes
AY 220	Field Training in Archaeology (Excavation)	Core	12	BA (Archaeology) BA (Archaeology and History) BA (Archaeology and Geography)
AY 230	Practical Training in Heritage Management	Core	12	BA (Heritage Management)

Duration: 8 weeks of long-vacation

### Second Year Teaching Practice (TP) for all BA (Education) Students

Code	Title	Status	Credits	Degree programmes
CT 202	Second Year Teaching Practice	Core	12	BA (Education)

Duration: 8 weeks of long-vacation

N.B.: CT 202 is administered by the School of Education.

### CoHU Practical Training (AS 299 or HI 299)

The College of Humanities organizes a practical training programme for all second year students except those who are taking BA (Archaeology), BA (Heritage Management), BA (Archaeology and Geography), BA (Archaeology and History) and BA(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.

### 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:

- To enable students apply or learn the practical applications of the theory they learn at the University in solving real-life problems.
- To minimize over-emphasis on theory and thus give some weight to practical work experience.
- 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.
- 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.
- 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 (AS 299)

Assessment of Practical Training is based on the following distribution of marks (Table 3):

Table 3: Practical Training (AS 299) Assessments

Training officer's assessment	10%
Student's logbook	20%
Supervisor's report	10%
Written report	60%
	100%

Note that students in BA (Diplomatic and Military History) and BA (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 no credit but a student must pass the course (AS 299 or HI 299) in order to graduate.

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	Credit	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, BA (Art and Design), BA (Music), BA (Theatre Arts) and BA (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 specialisation 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 (AS 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.

### Bachelor of Arts in Art and Design

Code	Title	Status	Credits
<b>First Year: Semester I</b>			
CA 100	Creative Arts and Society	Core	12
DS 112	Development Perspectives I	Core	12
AS 102	Social Science Research Methods I	Core	12
CL 106	Communication Skills	Core	12
CA 101	Fundamentals of Drawing	Core	12
CA 122	Introduction to Computer Aided Design	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
DS 113	Development Perspectives II	Core	12
AS 103	Social Science Research Methods II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
CA 121	Fundamentals of Painting	Core	12
CA 102	Fundamentals of Graphic Design	Core	12
CA 103	Fundamentals of Fashion Design	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
CA 200	Art Communication and Social Mobilization	Core	12
CA 201	Advanced Drawing	Core	12
CA 202	Advanced Graphic Design	Core	12
CA 242	Printmaking	Core	12

Code	Title	Status	Credits
<b>Total</b>			<b>60</b>
<i>A student may choose ONE or TWO of the following courses</i>			
CA 211	Sculpture	Core	12
CA 212	Visual Arts and Advertising	Core	12
CA 213	Jewellery Design	Core	12
CA 222	Applied Computer Aided Design	Core	12
<b>Second Year: Semester II</b>			
CA 221	Advanced Painting	Core	12
CA 241	Studies in African Art	Core	12
CA 223	Textile Patterns Design	Core	12
CA 203	Advanced Fashion Design	Core	12
<b>Total</b>			<b>72</b>
<i>A student may choose ONE or TWO of the following courses</i>			
CA 210	Creative Arts and Gender	Elective	12*
CA 252	Principles of Still Photography	Elective	12
CA 262	Principles of Animation	Elective	12
<b>Third Year: Semester I</b>			
CA 300	Management and Administration of the Creative Arts	Core	12
CA 320	Research in the Creative Arts	Core	12
CA 351	Contemporary African Art	Core	12
CA 303	Special Studies in Fashion Design	Core	12
<b>Total</b>			<b>72</b>
<i>A student should choose one or two of the following courses</i>			
CA 362	Special Studies in Computer Animation	Elective	12
CA 311	Special Studies in Sculpture	Elective	12
CA 313	African Traditional Jewry Design	Elective	12
<b>Third Year: Semester II</b>			
CA 341	History of World Art	Core	12
CA 361	Art Exhibition and Management	Core	12
CA 321	Special Studies in Painting	Core	12
CA 302	Special Studies in Graphic Design	Core	12
<b>Total</b>			<b>72</b>
<i>A student may choose one of the following courses</i>			
CA 323	Special Studies in Textile Design	Elective	12
CA 352	Special Studies in Photography	Elective	12
CA 310	Creative Arts and Tourism	Elective	12
MK 329	Social Marketing	Elective	12
MK 332	Advertising and Sales Promotion	Elective	12

### Bachelor of Arts in Music

<b>First Year: Semester I</b>			
Code	Title	Status	Credits
CA 100	Creative Arts and Society	Core	12
CA 104	Fundamentals of Music	Core	12
CA 105	Piano Instruction	Core	12
CL 106	Communication Skills	Core	12
DS 112	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Methods I	Core	12

<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
CA 114	Music Theory	Core	12
CA 115	Introduction to Instrumental Instruction (selected instrument)	Core	12
CA 124	Music Cultures of Tanzania	Core	12
DS 113	Development Perspectives II	Core	12
AS 103	Social Science Research Method II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
CA 200	Art Communication and Social Mobilization	Core*	12
CA 204	Advanced Music Theory	Core	12
CA 205	Music Cultures of Africa	Core	12
CA 215	Instrumental Instruction (selected instrument)	Core	12
<b>Total</b>			<b>72</b>
<i>A student may choose ONE or TWO of the following courses</i>			
CA 265	Music Technology and Production	Elective	12
CA 235	Ngoma Performance	Elective	12
CA 245	Choral Techniques	Elective	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester II</b>			
CA 214	Composition and Arranging	Core	12
CA 225	Intermediate Instrumental Instruction (selected instruments)	Core	12
CA 224	Music Cultures of the World	Core	12
CA 234	Ethnomusicology Theories	Core	12
<b>Total</b>			<b>72</b>
<i>A student may choose ONE of the following courses</i>			
CA 255	Advanced Choral Techniques	Elective	12
CA 210	Creative Arts	Elective*	12
AS 299	Practical Training (done during the long vacation)	Core	0
<b>Total</b>			<b>72</b>
<b>Third Year: Semester I</b>			
CA 300	Management and Administration of the Creative Arts	Core	12
CA 320	Research in the Creative Arts	Core	12
CA 315	Advanced Instrumental Instruction (selected Instrument)	Core	12
CA 304	Advanced Composition and Arranging	Core	12
<b>Total</b>			<b>72</b>
<i>A student may choose one or two of the following courses:</i>			
CA 325	Music Ensemble	Elective	12
AY 303	Cultural Heritage Management	Elective	12
PL 331	African Philosophy	Elective	12
<b>Third Year: Semester II</b>			
CA 345	Project in Music Performance	Core	12
CA 324	Applied Ethnomusicology	Core	12
CA 355	Documentation and Archiving	Core	12

CA 314	Composing Music for Film and Television	Core	12
<b>Total</b>			<b>72</b>
<i>A student may choose one or two of the following courses:</i>			
CA 310	Creative Arts and Tourism	Elective	12
AY 306	People and Culture in Africa	Elective	12
PL 312	African Philosophy	Elective	12
LT 326	Methodology and Practice of Oral Literature Research	Elective	12
<b>Total</b>			<b>72</b>

### Bachelor of Arts in Theatre Arts

<b>First Year: Semester I</b>			
Code	Title	Status	Credits
CA 100	Creative Arts and Society	Core	12
CA 149	Fundamentals of Acting	Core	12
CL 106	Communication Skills	Core	12
CA 109	Fundamentals of Theatre Arts	Core	12
DS 112	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Method I	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
CA 139	Introduction to Theatre Directing	Core	12
CA 119	Theatre Practices in Tanzania	Core	12
CA 108	Introduction to Creative Writing in Stage, Screen, and Radio	Core	12
DS 113	Development Perspectives II	Core	12
CA 129	African Theatre	Core	12
AS 103	Introduction to Social Science Research Method II	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
CA 200	Art Communication and Social Mobilization	Core	12
CA 219	World Theatre	Core	12
CA 249	Advanced Acting	Core	12
CA 269	Theatre Criticism and Dramaturgy	Core	12
<b>Total</b>			<b>48</b>
<i>A student may choose ONE or TWO of the following courses</i>			
CA 107	Introduction to Film and Television	Elective	12
CA 259	Production Design	Elective	12
CA 279	Fundamentals of Drama Therapy	Elective	12
AS 220	Pan-African Thought and Practice I	Elective	12
<b>Second Year: Semester II</b>			
CA 218	Play Writing	Core	12
CA 239	Advanced Play Directing	Core	12
CA 229	Theatre for Children and Youth	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
<b>Total</b>			<b>48</b>
<i>A student may choose ONE or TWO of the following courses</i>			
CA 207	African Cinema and Cinematic Practices	Elective	12

CA 210	Creative Arts and Gender	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12
CA 209	African Dance	Elective	12
AS 299	Practical Training (done during the long vacation)	Core	
<b>Total</b>			<b>48</b>
<b>Third Year: Semester I</b>			
CA 300	Management and Administration of the Creative Arts	Core	12
CA 320	Research in the Creative Arts	Core	12
CA 318	Advanced Play Writing	Core	12
CA 335	Theatre for Development	Core	12
<i>A student may choose ONE or TWO of the following courses</i>			
CA 357	Television Production for Children and Youth	Elective	12
CA 248	Radio Drama Production	Elective	12
CA 238	Film and Television Production	Elective	12
<b>Total</b>			<b>48</b>
<b>Third Year: Semester II</b>			
CA 349	Play Production	Core	12
CA 319	Acting for the Screen/Stage	Core	12
CA 309	Dance Choreography	Core	12
CA 359	Theatre in Education	Core	12
<b>Total</b>			<b>48</b>
<i>A student may choose one or two of the following courses</i>			
CA 329	Advanced Theatre for Children and Youth	Elective	12
CA 310	Creative Arts and Tourism	Elective	12
MK 332	Advertising and Sales Promotion	Elective	12

### Bachelor of Arts in Film and Television

<b>First Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
CA 100	Creative Arts and Society	Core	12
CA 107	Introduction to Film and Television	Core	12
CA 117	Film Practices in Tanzania	Core	12
CL 106	Communication Skills	Core	12
DS 112	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Method I	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
CA127	Film Theory	Core	12
CA 108	Introduction to Creative Writing in Stage, Screen, and Radio	Core	12
CA 137	Cinematography	Core	12
CA 149	Fundamentals of Acting	Core	12
DS 113	Development Perspectives II	Core	12
AS 103	Introduction to Social Science Research Method II	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
CA 200	Art Communication and Social Mobilization	Core	12
CA 207	African Cinema and Cinematic Practices	Core	12

CA 238	Film and Television Production	Core	12
CA 259	Production Design	Core	12
<b>Total</b>			<b>48</b>
<i>A student may choose ONE or TWO of the following courses</i>			
CA 249	Acting for Stage and Screen	Core	12
AS 220	Pan-African Thought and Practice I	Core	12
CA 279	Drama Therapy	Core	12
<b>Second Year: Semester II</b>			
CA 208	Screenplay Writing	Core	12
CA 217	Film Criticism	Core	12
CA 228	Film Directing	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
<b>Total</b>			<b>48</b>
<i>A student may choose ONE or TWO of the following courses</i>			
CA 210	Creative Arts and Gender	Elective	12*
CA 248	Radio Drama Production	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12
<b>Third Year: Semester I</b>			
CA 300	Management and Marketing of the Creative Arts	Core	12
CA 320	Research in Creative Arts	Core	12
CA 380	Advanced Screenplay Writing	Core	12
CA 307	Film Finance, Marketing and Distribution	Core	12
<b>Total</b>			<b>48</b>
<i>A student may choose one or two of the following courses</i>			
CA 347	Film Editing	Elective	12
CA 358	Television Drama	Elective	12
CA 357	Television Production for Children and Youth	Elective	12
<b>Third Year: Semester II</b>			
CA 337	Film Sound	Core	12
CA 317	Film for Development	Core	12
CA 328	Advanced Film Directing	Core	12
<b>Total</b>			<b>48</b>
<i>A student may choose one or two of the following courses</i>			
CA 310	Creative Arts and Tourism	Elective	12
CA 388	Documentary Film	Elective	12
MK 332	Advancing and Sales Promotion	Elective	12
Courses that have a field research component of three weeks and are specifically done during the inter-semester break of third year:			
CA 355	Documentation and Archiving	Core	12
CA 349	Play Production	Core	12
CA 323	Special Studies in Textile Design	Elective	12
CA 328	Advanced Film Directing	Core	12

Total minimum number of (core) credits for BA (Art and Design) programme: 376

Total minimum number of (core) credits for BA (Music) programme: 376

Total minimum number of (core) credits for BA (Theatre) programme: 376

Total minimum number of (core) credits for BA (Film and Television Studies) programme: 376



## DEPARTMENT OF FOREIGN LANGUAGES AND LINGUISTICS

The department offers one degree programme namely, Bachelor of Arts in Language Studies which is delivered in three specialisations: Specialisation I: English, Specialisation II: French and Specialisation III: Linguistics. Students must choose one specialization and maintain it throughout the three years' duration of the programme.

Students are required to take all core courses as indicated for each 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 BA (Language Studies) degree. A student may choose one additional elective course from the list provided under a relevant semester and not from elsewhere.

Compulsory second-year Practical Training (AS 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.

### Specialisation I: English

<b>First Year: Semester I</b>			
<i>French Sub-Stream</i>			
Code	Title	Status	Credits
LL 115	English Listening Skills	Core	12
LL 117	English Reading Skills	Core	12
LL 101	Introduction to Linguistic Structure	Core	12
DS 112	Development Perspectives I	Core	12
LL 180	French Communicative Competencies I	Core	12
LL 182	Oral Proficiency and Phonetics	Core	12
<b>Total</b>			<b>72</b>
<i>Linguistics Sub-Stream</i>			
LL 115	English Listening Skills	Core	12
LL 117	English Reading Skills	Core	12
LL 101	Introduction to Linguistic Structure	Core	12
DS 112	Development Perspectives I	Core	12
LL 104	Introduction to Sign Language	Core	12*
LL 105	Introduction to Contact Linguistics	Core	12*
<b>Total</b>			<b>72</b>
<i>Kiswahili Language Elective</i>			
LL 115	English Listening Skills	Core	12
LL 117	English Reading Skills	Core	12
LL 101	Introduction to Linguistic Structure	Core	12
DS 112	Development Perspectives I	Core	12
KF 102	Utangulizi wa Fasihi ya Kiswahili (Simulizi na Andishi)	Core	12
KI 107	Misingi ya Isimu ya Kiswahili	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
<i>French Sub-Stream</i>			
LL 116	English Speaking Skills	Core	12
LL 118	English Writing Skills	Core	12
DS 113	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12

LL 181	French Communicative Competencies II	Core	12
LL 183	Reading and Writing Proficiency I	Core	12
<b>Total</b>			<b>72</b>
<i>Linguistics Sub-Stream</i>			
LL 116	English Speaking Skills	Core	12
LL 118	English Writing Skills	Core	12
DS 113	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
LL 103	General Phonetics	Core	12
LL 106	Language Change	Core	12*
<b>Total</b>			<b>72</b>
<i>Kiswahili Language Electives</i>			
LL 116	English Speaking Skills	Core	12
LL 118	English Writing Skills	Core	12
DS 112	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi ya Kiswahili	Core	12
KI 109	Miundo ya Msingi ya Kiswahili	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
<i>French Sub-Stream</i>			
LL 203	Introduction to Semantics	Core	12
LL 219	Introductory English Phonetics & Phonology	Core	12
LL 221	Varieties of English	Core	12
LL 280	French Communicative Competencies III	Core	12
LL 274	Introduction to Translation	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12
LL 282	Oral Interactions	Elective	12
<i>Linguistics Sub-Stream</i>			
LL 203	Introduction to Semantics	Core	12
LL 219	Introductory English Phonetics & Phonology	Core	12
LL 221	Varieties of English	Core	12
LL 201	Linguistic Theory	Core	12
LL 208	Introduction to Dictionary Compilation	Core	12*
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12
LL 282	Oral Interactions	Elective	12
<i>Kiswahili Language Elective</i>			
LL 203	Introduction to Semantics	Core	12
LL 219	Introductory English Phonetics & Phonology	Core	12
LL 221	Varieties of English	Core	12
KI 213	Mitindo ya Kiswahili cha Mazungumzo	Core	12
KF 202	Fasihi-Andishi ya Kiswahili	Core	12
<b>Total</b>			<b>60</b>

<i>A student may choose one of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12
LL 282	Oral Interactions	Elective	12
<b>Second Year: Semester II</b>			
<i>French Sub-Stream</i>			
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 218	English Rhetoric	Core	12
LL 220	English Grammar	Core	12
LL 281	French Communicative Competency III	Core	12
LL 283	French Morphology and Syntax	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12
LL 217	English for Business Communication	Elective	12
LL 276	Functional French	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
<i>Linguistics Sub-stream</i>			
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 218	English Rhetoric	Core	12
LL 220	English Grammar	Core	12
LL 202	Morphology	Core	12
LL 205	Structure of a Non-Bantu Language	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12
LL 217	English for Business Communication	Elective	12
LL 276	Functional French	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
<i>Kiswahili Language Elective</i>			
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 218	English Rhetoric	Core	12
LL 220	English Grammar	Core	12
KI 212	Tafsiri ya Kiswahili-Kiingereza	Core	12
KF 203	Fasihi ya Watoto na Vijana	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12
LL 217	English for Business Communication	Elective	12
LL 276	Functional French	Elective	12
LL 273	French African Literature II	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
AS 299	Practical Training (done during the long vacation)	Core	12
<b>Third Year: Semester I</b>			
<i>French Sub-Stream</i>			
LL 317	Introduction English Pragmatics	Core	12
LL 330	Introduction to Translation Theory	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
LL 380	Reading and Writing Proficiency II	Core	12

LL 374	Translation I	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<i>Linguistics Sub-Stream</i>			
LL 317	Introduction English Pragmatics	Core	12
LL 330	Introduction to Translation Theory	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
LL 303	Historical and Comparative Linguistics	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<i>Kiswahili Language Sub-Stream</i>			
LL 317	Introduction English Pragmatics	Core	12
LL 330	Introduction to Translation Theory	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Core	12
KI 313	Leksikografia	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<b>Third Year: Semester II</b>			
<i>French Sub-stream</i>			
LL 331	Translation Methods and Practice	Core	12
LL 314	Second Language Acquisition	Core	12
LL 381	French Oral proficiency	Core	12
LL 382	Literature in French	Core	12
<i>+A student must choose one or two of the following courses</i>			
LL 318	The Study of Discourse	Elective	12
LL 375	Translation II	Elective	12
LL 399	Project** (By invitation only)	Elective	12
LL 384	Introduction to Consecutive Interpretation	Elective	12
LT 312	Language and Literature	Elective	12
CA 208	Advanced Writing for Stage, Screen and Radio	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
<b>Total</b>			<b>60</b>
<i>Linguistics Sub-stream</i>			
LL 331	Translation Methods and Practice	Core	12
LL 314	Second Language Acquisition	Core	12
LL 305	Bantu Language Structure	Core	12
LL 302	Sociolinguistics	Core	12
LL 304	Tanzanian Sign Language Structure	Core	12*
<i>+A student must choose one or two of the following courses</i>			

LL 318	The Study of Discourse	Elective	12
LL 375	Translation II	Elective	12
LL 399	Project** (By invitation only)	Elective	12
LL 384	Introduction to Consecutive Interpretation	Elective	12
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
<b>Total</b>			<b>60</b>
<i>Kiswahili Language Elective</i>			
LL 331	Translation Methods and Practice	Core	12
LL 314	Second Language Acquisition	Core	12
KF 303	Elimu Mitindo ya Fasihi ya Kiswahili	Core	12
KI 311	Semantiki na Pragmatiki ya Kiswahili	Core	12
<i>+A student must choose one or two of the following courses</i>			
LL 318	The Study of Discourse	Elective	12
LL 375	Translation II	Elective	12
LL 399	Project**	Elective	12
LL 384	Introduction to Consecutive Interpretation	Elective	12
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
<b>Total</b>			<b>60</b>

\*\*By invitation only

#### Specialisation II: French

<b>First Year: Semester I</b>			
<i>English Sub-Stream</i>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
LL 180	French Communicative Competencies I	Core	12
LL 182	Oral Proficiency and Phonetics	Core	12
LL 101	Introduction to Linguistic Structure	Core	12
DS 112	Development Perspectives I	Core	12
LL 115	English Listening Skills	Core	12
LL 117	English Reading Skills	Core	12
<b>Total</b>			<b>72</b>
<i>Linguistics Sub-Stream</i>			
LL 180	French Communicative Competencies I	Core	12
LL 182	Oral Proficiency and Phonetics	Core	12
LL 101	Introduction to Linguistic Structure	Core	12
DS 112	Development Perspectives I	Core	12
LL 104	Introduction to Sign Language	Core	12*
LL 105	Introduction to Contact Linguistics	Core	12*
<b>Total</b>			<b>72</b>
<i>Kiswahili Language Elective</i>			
LL 180	French Communicative Competencies I	Core	12
LL 182	Oral Proficiency and Phonetics	Core	12
LL 101	Introduction to Linguistic Structure	Core	12
DS 112	Development Perspectives I	Core	12
KF 102	Utangulizi wa Fasihi ya Kiswahili (Simulizi na Andishi)	Core	12

KI 107	Misingi ya Isimu ya Kiswahili	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
<i>English Sub-Stream</i>			
LL 181	French Communicative Competencies II	Core	12
LL 183	Reading and Writing Proficiency I	Core	12
DS 113	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
LL 116	English Speaking Skills	Core	12
LL 118	English Writing Skills	Core	12
<b>Total</b>			<b>72</b>
<i>Linguistics Sub-Stream</i>			
LL 181	French Communicative Competences II	Core	12
LL 183	Reading and Writing Proficiency I	Core	12
DS 113	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
LL 103	General Phonetics	Core	12
LL 106	Language Change	Core	12*
<b>Total</b>			<b>72</b>
<i>Kiswahili Language Elective</i>			
LL 181	French Communicative Competences II	Core	12
LL 183	Reading and Writing Proficiency I	Core	12
DS 113	Development Perspectives II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi ya Kiswahili	Core	12
KI 109	Miundo ya Misingi ya Kiswahili	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
<i>English Sub-Stream</i>			
LL 203	Introduction to Semantics	Core	12
LL 280	French Communicative Competencies III	Core	12
LL 274	Introduction to Translation	Core	12
LL 219	Introductory English Phonetics & Phonology	Core	12
LL 221	Varieties of English	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12
LL 282	French Communicative Competencies III	Elective	12
<i>Linguistics Sub-Stream</i>			
LL 203	Introduction to Semantics	Core	12
LL 280	French Communicative Competencies III	Core	12
LL 274	Introduction to Translation	Core	12
LL 201	Linguistic Theory	Core	12
LL 208	Introduction to Dictionary Compilation	Core	12*
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12

LL 282	Oral Interactions	Elective	12
<i>Kiswahili Language Elective</i>			
LL 203	Introduction to Semantics	Core	12
LL 280	French Communicative Competencies III	Core	12
LL 274	Introduction to Translation	Core	12
KI 213	Mitindo ya Kiswahili cha Mazungumzo	Core	12
KS 202	Fasihi-Andishi ya Kiswahili	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12
LL 282	Oral Interactions	Elective	12
<b>Second Year: Semester II</b>			
<i>English Sub-Stream</i>			
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 281	French Communicative Competences II	Core	12
LL 283	French Morphology and Syntax	Core	12
LL 218	English Rhetoric	Core	12
LL 220	English Grammar	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12
LL 217	English for Business Communication	Elective	12
LL 276	Functional French	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
<i>Linguistics Sub-Stream</i>			
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 281	French Communicative Competences II	Core	12
LL 283	French Morphology and Syntax	Core	12
LL 202	Morphology	Core	12
LL 205	Structure of a Non-Bantu Language	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12
LL 217	English for Business Communication	Elective	12
LL 276	Functional French	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
<i>Kiswahili Language Elective</i>			
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 281	French Communicative Competences II	Core	12
LL 283	French Morphology and Syntax	Core	12
KI 212	Tafsiri ya Kiswahili-Kiingereza	Core	12
KF 203	Fasihi ya Watoto na Vijana	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12
LL 217	English for Business Communication	Elective	12
LL 276	Functional French	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*

AS 299	Practical Training (done during the long vacation)	Core	12
<b>Third Year: Semester I</b>			
<i>English Sub-Stream</i>			
LL 380	Reading and Writing Proficiency II	Core	12
LL 374	Translation I	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
LL 317	Introduction English Pragmatics	Core	12
LL 330	Introduction to Translation Theory	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<i>Linguistics Sub-Stream</i>			
LL 380	Reading and Writing Proficiency II	Core	12
LL 374	Translation I	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
LL 303	Historical and Comparative Linguistics	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<i>Kiswahili Language Sub-Stream</i>			
LL 380	Reading and Writing Proficiency II	Core	12
LL 374	Translation I	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Core	12
KI 313	Leksikografia	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<b>Third Year: Semester II</b>			
<i>English Sub-stream</i>			
LL 314	Second Language Acquisition	Core	12*
LL 381	French Oral Proficiency	Core	12
LL 382	Literature in French	Core	12
LL 331	Translation Methods and Practice	Core	12
LL 318	The Study of Discourse	Core	12
LL 375	Translation II	Core	12
LL 384	Introduction to Consecutive Interpretation	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
<i>Linguistics Sub-stream</i>			



LL 314	Second Language Acquisition	Core	12*
LL 381	French Oral Proficiency	Core	12
LL 382	Literature in French	Core	12
LL 305	Bantu Language Structure	Core	12
LL 302	Sociolinguistics	Core	12
<i>A student must choose one or two of the following courses</i>			
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
LL 375	Translation II	Elective	12
LL 384	Introduction to Consecutive Interpretation	Elective	12
<b>Total</b>			<b>60</b>
<i>Kiswahili Language Elective</i>			
LL 314	Second Language Acquisition	Core	12*
LL 381	French Oral Proficiency	Core	12
LL 382	Literature in French	Core	12
KF 303	Elimu Mitindo ya Fasihi ya Kiswahili	Core	12
KI 311	Semantiki na Pragmatiki ya Kiswahili	Core	12
<b>Total</b>			<b>60</b>
<i>A student taking Linguistics must choose one of the following courses</i>			
LL 304	Tanzanian Sign Language Structure	Elective	12*
LL 375	Translation II	Elective	12
LL 390	Project**	Elective	12
LL 384	Introduction to Consecutive Interpretation	Elective	12
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12

\*\*By invitation only

### Specialisation III: Linguistics

<b>First Year: Semester I</b>			
<i>French Sub-stream</i>			
LL 101	Introduction to Linguistic Structure	Core	12
LL 104	Introduction to Sign Language	Core	12*
LL 105	Introduction to Contact Linguistics	Core	12*
DS 112	Development Perspectives I	Core	12
LL 180	French Communicative Competencies I	Core	12
LL 182	Oral Proficiency Phonetics	Core	12
<b>Total</b>			<b>72</b>
<i>English Sub-Stream</i>			
LL 101	Introduction to Linguistic Structure	Core	12
LL 104	Introduction to Sign Language	Core	12*
LL 105	Introduction to Contact Linguistics	Core	12*
DS 112	Development Perspectives I	Core	12
LL 115	English Listening Skills	Core	12
LL 117	English Reading Skills	Core	12
<b>Total</b>			<b>72</b>
<i>Kiswahili Language Elective</i>			

LL 101	Introduction to Linguistic Structure	Core	12
LL 104	Introduction to Sign Language	Core	12*
LL 105	Introduction to Contact Linguistics	Core	12*
DS 112	Development Perspectives I	Core	12
KF 102	Utangulizi wa Fasihi ya Kiswahili (Simulizi na Andishi)	Core	12
KI 107	Misingi ya Isimu ya Kiswahili	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
<i>French Sub-Stream</i>			
DS 113	Development Perspectives II	Core	12
LL 103	General Phonetics	Core	12
LL 106	Language Change	Core	12*
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
LL 181	French Communicative Competences II	Core	12
LL 183	Reading and Writing Proficiency I	Core	12
<b>Total</b>			<b>72</b>
<i>English Sub-Stream</i>			
DS 113	Development Perspectives II	Core	12
LL 103	General Phonetics	Core	12
LL 106	Language Change	Core	12*
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
LL 116	English Speaking Skills	Core	12
LL 118	English Writing Skills	Core	12
<b>Total</b>			<b>72</b>
<i>Kiswahili Language Elective</i>			
DS 113	Development Perspectives II	Core	12
LL 103	General Phonetics	Core	12
LL 106	Language Change	Core	12*
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
KF 103	Nadharia na Uhakiki wa Fasihi ya Kiswahili	Core	12
KI 109	Miundo ya Misingi ya Kiswahili	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
<i>French Sub-Stream</i>			
LL 201	Linguistic Theory	Core	12
LL 203	Introduction to Semantics	Core	12
LL 208	Introduction to Dictionary Compilation	Core	12*
LL 280	French Communicative Competencies III	Core	12
LL 274	Introduction to Translation	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 282	Oral Interactions	Elective	12
AS 217	Introduction to Computers	Elective	12
AS 220	Pan-African Thought and Practice I	Elective	12
<i>English Sub-Stream</i>			
LL 201	Linguistic Theory	Core	12
LL 203	Introduction to Semantics	Core	12
LL 208	Introduction to Dictionary Compilation	Core	12*
LL 219	Introductory English Phonetics & Phonology	Core	12

LL 221	Varieties of English	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 282	Oral Interactions	Elective	12
AS 217	Introduction to Computers	Elective	12
AS 220	Pan-African Thought and Practice I	Elective	12
<i>Kiswahili Language Elective</i>			
LL 201	Linguistic Theory	Core	12
LL 203	Introduction to Semantics	Core	12
LL 208	Introduction to Dictionary Compilation	Core	12*
KI 213	Mitindo ya Kiswahili cha Mazungumzo	Core	12
KF 202	Fasihi Andishi ya Kiswahili	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 282	Oral Interactions	Elective	12
AS 217	Introduction to Computers	Elective	12
AS 220	Pan-African Thought and Practice I	Elective	12
<b>Second Year: Semester II</b>			
<i>French Sub-Stream</i>			
LL 202	Morphology	Core	12
LL 205	Structure of a Non-Bantu Language	Core	12
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 281	French Communicative Competency III	Core	12
LL 283	French Morphology and Syntax	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 276	Functional French I	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
<i>English Sub-Stream</i>			
LL 202	Morphology	Core	12
LL 205	Structure of a Non-Bantu Language	Core	12
LL 222	Introduction to Research Methods in Language Studies	Core	12*
LL 218	English Rhetoric	Core	12
LL 220	English Grammar	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 276	Functional French I	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
<i>Kiswahili Language Elective</i>			
LL 202	Morphology	Core	12
LL 205	Structure of a Non-Bantu Language	Core	12
LL 222	Introduction to Research Methods in Language Studies	Core	12*
KI 212	Tafsiri ya Kiswahili-Kiingereza	Core	12
KF 203	Fasihi ya Watoto na Vijana	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 276	Functional French I	Elective	12

AS 221	Pan-African Thought and Practice II	Elective	12
LL 204	Introduction to Tanzanian Sign Language	Elective	12*
AS 299	Practical Training (done during the long vacation)	Core	12
<b>Total</b>			<b>60</b>
<b>Third Year: Semester I</b>			
<i>French Sub-stream</i>			
LL 303	Historical and Comparative Linguistics	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
LL 380	Reading and Writing Proficiency II	Core	12
LL 374	Translation I	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<i>English Sub-Stream</i>			
LL 303	Historical and Comparative Linguistics	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
LL 317	Introduction English Pragmatics	Core	12
LL 330	Introduction to Translation Theory	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<i>Kiswahili Language Sub-Stream</i>			
LL 303	Historical and Comparative Linguistics	Core	12
LL 332	Introduction to Editing and Proofreading	Core	12*
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Core	12
KI 313	Leksikografia	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
LL 316	English in the World	Elective	12
LT 311	Theory and Practice of Publishing	Elective	12
LL 376	Functional French II	Elective	12
<b>Third Year: Semester II</b>			
<i>French Sub-stream</i>			
LL 302	Sociolinguistics	Core	12
LL 305	Bantu Language Structure	Core	12
LL 331	Translation Methods and Practice	Core	12
LL 314	Second Language Acquisition	Core	12*
LL 381	French Oral Proficiency	Core	12
LL 382	Literature in French	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
<i>English Sub-Stream</i>			

LL 302	Sociolinguistics	Core	12
LL 305	Bantu Language Structure	Core	12
LL 331	Translation Methods and Practice	Core	12
LL 314	Second Language Acquisition	Core	12*
LL 318	The Study of Discourse	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
Kiswahili Language elective			
LL 302	Sociolinguistics	Core	12
LL 305	Bantu Language Structure	Core	12
LL 331	Translation Methods and Practice	Core	12
LL 314	Second Language Acquisition	Core	12*
KF 303	Elimu Mitindo ya Fasihi ya Kiswahili	Core	12
KI 311	Semantiki na Pragmatiki ya Kiswahili	Core	12
<b>Total</b>			<b>60</b>
<i>A student taking English sub-stream must choose one of the following courses</i>			
LL 375	Translation II	Elective	12
LL 384	Introduction to Consecutive Interpretation	Elective	12
LL 304	Tanzanian Sign Language Structure	Elective	12*
LT 312	Language and Literature	Elective	12
CA 208	Screenplay Writing	Elective	12
LL 313	Linguistics and Language Teaching	Elective	12
LL 390	Project (by invitation only)	Elective	12

Total minimum number of (core) units for BA (Language Studies) programme: 376

### CENTRE FOR COMMUNICATION STUDIES

The Centre for Communication Studies (CCS) offers one bachelor programme, BA 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 (CL223) 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 Table 7 below.

**Table 7: List of Courses for the Proposed BACS Programme**

Code	Course Title	Status	Credits
<b>First Year</b>			
<b>Semester I</b>			
CL120	Introduction to Communication	Core	12
CL121	Fundamentals of Oral Communication	Core	12
CL122	Intercultural Communication	Core	12
*PL111	Introduction to Critical Thinking and Argumentation	Core	12
*DS112	Development Perspectives I	Core	12
<i>A student should choose one of the following courses</i>			
CL123	Group Communication	Elective	12
CL124	Non-verbal Communication	Elective	12
<b>Total</b>			<b>72</b>

<b>Semester II</b>			
CL125	Interpersonal Communication	Core	12
CL126	Communication and Ethics	Core	12
CL127	Communication and Human Relations	Core	12
*DS113	Development Perspectives II	Core	12
<i>A student should choose two of the following courses</i>			
CL128	Message Design	Elective	12
CL129	Customer Service Communication	Elective	12
CL130	Introduction to Academic Debate	Elective	12
<b>Total</b>			<b>72</b>
<b>Second Year</b>			
<b>Semester I</b>			
CL210	Professional Writing	Core	12
CL211	Communication and Social Change	Core	12
CL212	Social Media Communication	Core	12
CL213	Public Speaking	Core	12
<i>A student should choose two of the following courses</i>			
CL214	Applied Communication for Social Issues	Elective	12
CL215	Gender Issues and Communication	Elective	12
CL216	Communication in Health Services Provision	Elective	12
<b>Total</b>			<b>72</b>
<b>Semester II</b>			
CL217	Communication Policy Design	Core	12
CL218	Organisational Communication	Core	12
CL219	Research Methods in Communication	Core	12
CL220	Business and Professional Communication	Core	12
**CL223	Practical Training	Core	12
<i>A student should choose one of the following courses</i>			
CL221	Communication and Disaster Mitigation	Elective	12
CL222	Leadership Communication	Elective	12
*LL218	English Rhetoric	Elective	12
<b>Total</b>			<b>72</b>
<b>Third Year</b>			
<b>Semester I</b>			
CL300	Communication in Public Management	Core	12
CL301	Strategic and Corporate Communication	Core	12
CL302	Environmental Communication	Core	12
CL303	Information Management for Communication Specialists	Core	12
<i>A student should choose two of the following courses</i>			
CL304	Communication and Virtual Organising	Elective	12
CL305	Political Communication	Elective	12
CL310	Communication and Labour Market	Elective	12
<b>Total</b>			<b>72</b>
<b>Semester II</b>			
CL306	Communication in Conflict Management	Core	12
CL307	Argumentative Communication and Advocacy	Core	12
CL308	International and Diplomatic Communication	Core	12
CL309	Marketing Communication	Core	12

*LL317	Introduction to English Pragmatics.	Core	12
<i>A student should choose one of the following courses</i>			
*PR311	Propaganda and Persuasion	Elective	12
LL332	Introduction to Editing and Proofreading	Elective	12
<b>Total</b>			<b>72</b>

Key: \*courses offered outside CCS

\*\* Practical training

The Centre also provides service courses for different programmes. The courses offered are as follows:

<b>First Year: Semester I</b>		
<b>Code</b>	<b>Title</b>	<b>Credit</b>
CL 106	Communication Skills for Arts and Social Sciences (NON-EDU)	12
CL 111	Communication Skills for Engineering Studies	12
<b>First Year: Semester II</b>		
CL 106	Communication Skills for Arts and Social Sciences (EDU ONLY)	12
CL 107	Communication Skills for Science	12
CL 108	Business Communication	12

The Centre also offers 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 four undergraduate degree programmes. These are;

### **Bachelor of Arts in History**

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.

Compulsory second-year Practical Training (AS 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>First Year: Semester I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credit</b>
HI 103	Capitalism and Imperialism in World History	Core	12
HI 104	Themes in African History	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 112	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Methods	Core	12
FP 100	Art and Society	Elective	12
<b>Total</b>			<b>72</b>

<b>First Year: Semester II</b>			
HI 101	Basic Concepts and Perspectives in History	Core	12
HI 102	Survey of World History to ca. 2500 A.D.	Core	12
HI 261	History of Tanzania	Core	12
DS 113	Development Perspectives II	Core	12
AS 103	Introduction to Social Science Methods II	Core	12
<i>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.</i>			
<i>A student <b>must</b> choose only one from the following</i>			
SO 115	Introduction to Culture and Society	Elective	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
HI 260	Philosophies and Methodologies of History	Core	12
HI 262	History of East Africa	Core	12
HI 270	Health, Disease and Healing in 19th and 20th Century Africa	Core	12
HI 269	Survey World History of Globalization	Core	12
<i>A student <b>must</b> choose one or two courses from the following:</i>			
HI 267	Survey World History of Science and Technology: Ancient to Medieval Times	Elective	12
AS 217	Introduction to Computers	Elective	12
AS 220	Pan-African Thought and Practice I	Elective	12
DS 201	Rural and Urban Development	Elective	12
<b>Total</b>			<b>60</b>
<b>Second Year: Semester II</b>			
HI 271	History of West Africa	Core	12
HI 265	Neo-Colonialism and Revolutionary Movements	Core	12
HI 266	War and Warfare in World History	Core	12
HI 263	History of Central Africa	Core	12
HI 362	History of South Africa	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one course from the following</i>			
HI 268	Survey World History of Science and Technology: Modern Societies	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12
AS 229	Practical Training (done during the long vacation)	core	0
<b>Third Year: Semester I</b>			
HI 360	Economic History of Tanzania	Core	12
HI 363	History of North Africa	Core	12
HI 365	Political Economy of the U.S.A.	Core	12
HI 366	Topics in African Environmental History	Core	12
HI 368	Oral Histories in Tanzania: Theory	Core	12
<b>Total</b>			<b>60</b>
<i>student may choose the following course</i>			
AY 302	Archaeology of Tanzania	Elective	12
<b>Third Year: Semester II</b>			
HI 264	Africa and World Religions	Core	12
HI 364	Industrialisation and the Rise of the Working Class in Britain	Core	12



HI 367	Population and Urban History of Tanzania	Core	12
AY 304	Basics in Archaeology	Core	12
HI 380	Ethnic Identities in Tanzania	Core	12
<i>A student may choose one or two courses from the following</i>			
HI 369	Economic History of Tanzania: Practical (by invitation only)	Elective	12
HI 379	Oral Histories in Tanzania: Practical (By invitation only)	Elective	12
HI 399	Dissertation ++	Elective	24
PS 347	Peace Making and Conflict Resolution	Elective	12
SO 371	Contemporary Social Change and Culture	Elective	12
<b>Total</b>			<b>60</b>

++HI 399 (Dissertation) is by invitation only.

Total minimum number of (core) credits for BA (History) is 376.

### **Bachelor of Arts in History and Political Science**

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.

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

#### **First Year Semester I**

<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credit</b>
HI 103	Capitalism and Imperialism in World History	Core	12
HI 104	Themes in African History	Core	12
PS 110	Introduction to Political Science 1	Core	12
CL 106	Communication Skills	Core	12
DS 112	Development Perspective 1	Core	12
AS 102	Introduction to Social Science Research Methods 1	Core	12
<b>Total</b>			<b>72</b>

#### **First Year: Semester II**

HI 101	Basic Concepts and Perspectives in Historical Scholarship	Core	12
PS 111	Introduction to Political Science II	Core	12
PS 113	Government and Politics in Tanzania	Core	12
DS 113	Development Perspectives II	Core	12
AS 103	Social Science Research Methods I	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
<b>Total</b>			<b>72</b>

**Second Year: Semester I**

HI 260	Philosophies and Methodologies of History	Core	12
HI 262	History of East Africa	Core	12
PS 220	Organization Theory	Core	12
PS 222	International Relations I	Core	12
<b>Total</b>			<b>48</b>

*A student must choose ONE or TWO of the following courses*

HI 269	Survey World History of Globalization	Elective	12
AS 230	Pan-African Thought and Practice I	Elective	12
PS 231	Contemporary Politics in East Africa	Elective	12
PS 233	Introduction to Public Policy	Elective	12

**Second Year: Semester II**

HI 261	History of Tanzania	Core	12
HI 265	Neo-colonialism and Revolutionary Movements	Core	12
PS 223	International Relations II	Core	12
PS 222	International Organizations	Core	12
<b>Total</b>			<b>48</b>

*A student must choose ONE or TWO of the following courses*

HI 266	War and Warfare in World History	Elective	12
HI 271	History of West Africa	Elective	12
PS 229	Basic Concepts in International Law	Elective	12
PS 224	Comparative Political Systems: Developing Area	Elective	12
HI 299	Practical Training in History and Political Science	Core	0

**Third Year: Semester I**

HI 360	Economic History of Tanzania	Core	12
HI 368	Oral Histories in Tanzania: Theory	Core	12
PS 332	Theory and Politics of Development	Core	12
PS 350	African International Relations and Foreign Policy	Core	12
<b>Total</b>			<b>48</b>

*A student must choose ONE or TWO of the following courses*

HI 363	History of North Africa	Elective	12
HI 365	Political Economy of the USA	Elective	12
PS 333	The Politics of North-South Relations	Elective	12
Ps 352	Public Human Resource Management	Elective	12

**Third Year: Semester II**

HI 264	Africa and World Religions: Islam and Christianity	Core	12
HI 380	Evolution of Ethnic Identities in Tanzania	Core	12
PS 347	Peace Making and Conflict Resolution	Core	12
PS 241	Public Administration in Tanzania	Core	12
<b>Total</b>			<b>48</b>

***A student must choose ONE or TWO of the following courses***

HI 367	Population and Urban History of Tanzania	Elective	12
HI 364	Industrialization and the Rise of the Working Class in Britain	Elective	12
PS 314	Public Finance Management	Elective	12
PS 361	Administrative Law	Elective	12

Total minimum number of (core) credits for BA (History and Political Science) is 328.

**Bachelor of Arts in Diplomatic and Military History**

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.

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

<b>First Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credit</b>
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 112	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Methods I	Core	12
<b>Total</b>			<b>72</b>

<b>First Year: Semester II</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credit</b>
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
DS 113	Development Perspectives II	Core	12
AS 103	Social Science Research Method II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
<b>Total</b>			<b>72</b>

<b>Second Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credit</b>
PS 222	International Relations I*	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	Core	12
<b>Total</b>			<b>60</b>

<i>A student may choose ONE of the following courses</i>			
HI 266	War and Warfare in World History	Elective	12
HI 227	Globalization and National Interests	Elective	12
HI 234	War in Tanzanian History	Elective	12
<b>Second Year: Semester II</b>			
Code	Title	Status	Credit
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
PS 223	International Relations II *	Core	12
PS 229	Basic Concepts in International Law*	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
HI 232	Colloquium on Military Strategy and Doctrines	Elective	12
HI 233	National Interests and Statecraft in History II	Elective	12
HI 235	Conference Diplomacy and International Organization	Elective	12
HI 299	Practical Training in Diplomatic and Military History	Core	0

<b>Third Year: Semester I</b>			
Code	Title	Status	Credit
HI 330	Ethics of War and Peace in Contemporary World	Core	12
HI 308	Theory and Practice in Archival Research	Core	12
HI 333	Introduction to Civil-Military Relations	Core	12
PS 350	African International Relations and Foreign Policy	Core	12
PS 346	Issues in International Law	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
HI 334	Evolution of Warfare in Contemporary Times	Elective	12
PS 347	Peace Making and Conflict Resolution	Elective	12
HI 335	The United Nations System	Elective	12
PS 333	The Politics of North-South Relations*	Elective	12
<b>Third Year: Semester II</b>			
Code	Title	Status	Credit
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 340	The Indian Ocean Geo-Political Security	Core	12
LWE 530	International Humanitarian Law	Core	12
HI 341	Diplomatic and Consular Practices in Historical Perspective II	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
HI 342	Wars and Militarism in History	Elective	12
HI 308	Theory and Practice in Archival Research	Elective	12
HI 344	History of Global Capitalism and Competitiveness	Elective	12

HI 339	Regional Security Dynamics and Area Studies	Elective	12
HI 331	Foreign and Defense Policy Analysis	Elective	12

Total minimum number of (core) credits for BA Diplomatic and Military History is 376.

### Bachelor of Arts in History, Cultural Heritage Management and Tourism

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.

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.

First Year: Semester I			
Code	Title	Status	Credit
HI 112	Basic Concepts in History, Cultural Heritage Management and Tourism	Core	12
HI 104	Themes in African History	Core	12
HI 150	History of Heritage Conservation	Core	12
CL 106	Communication Skills	Core	12
DS 112	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Methods I	Core	12
<b>Total</b>			<b>72</b>

First Year: Semester II			
Code	Title	Core	Credit
HI 113	Reconstructing History from Ethnographic Remains		12
HI 114	Historiography of Cultural Heritage Management and Tourism		12
HI 151	Tourism in African History		12
DS 113	Development Perspectives II		12
AS 103	Social Science Research Method I		12
PL 111	Introduction to Critical Thinking and Argumentation		12
<b>Total</b>			<b>72</b>

Second Year: Semester I			
Code	Title	Core	Credit
HI 260	Philosophies and Methodologies in History	Core	12
HI 262	History of East Africa	Core	12
HI 205	African Ethnography and the Politics of Archiving	Core	12
HI 213	Historical Interpretation of Cultural Heritage and Tourism	Core	12
AY 215	Principles of Cultural Tourism	Core	12
<b>Total</b>			<b>60</b>

<i>A student may choose ONE of the following courses</i>			
HI 211	Record Keeping and the Politics of Knowledge Creation	Elective	12
HI 206	<i>States</i> and Institutional Memories	Elective	12
AN 201	Ethnography as a Research Method	Elective	12
AY 221	Conservation and Curation of Fauna Materials	Elective	12
<b>Second Year: Semester II</b>			
Code	Title	Core	Credit
HI 261	History of Tanzania	Core	12
HI 264	Africa and World Religions: Islam and Christianity	Core	12
AY 224	Conservation and Curation of Ceramic Materials	Core	12
HI 212	Cultural Tour Guidance	Core	12
HI 224	Tanzania and the History of Liberation Struggles in Africa	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
HI 204	Creation and Maintenance of Public Archives	Elective	12
HI 222	War, Patriotism and Nationalism	Elective	12
AY 222	Conservation and Curation of Metal Materials	Elective	12
AY 223	Conservation and Curation of Lithic Materials	Elective	12
HI 299	Practical Training in History, Cultural Heritage Management and Tourism	Core	0

<b>Third Year: Semester I</b>			
Code	Title	Core	Credit
HI 360	Economic History of Tanzania	Core	12
HI 368	Oral Histories in Tanzania: Theory	Core	12
AY 301	Cultural Heritage Management	Core	12
AY 321	Heritage Laws	Core	12
HI 302	Government and Business Records Management	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
AY 303	Introduction to Museum Studies	Elective	12
HI 301	Collection, Conservation and Security of Archival Materials	Elective	12

<b>Third Year: Semester II</b>			
Code	Title	Status	Credit
HI 311	The History of Wildlife Conservation, Tourism and Leisure in Tanzania	Core	12
HI 380	Evolution of Ethnic identities in Tanzania	Core	12
HI 308	Theory and Practice in Archival Research	Core	12
AY 322	Ethics in Cultural Tourism	Core	12
AY 323	Intangible Heritage Resources in Tanzania	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose ONE of the following courses</i>			
HI 307	Introduction to Vital Registers	Elective	12

HI 263	History of Central Africa	Elective	12
HI 367	Population and Urban History of Tanzania	Elective	12

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; BA (Archaeology); BA (Heritage Management); BA (Archaeology and History) and BA (Archaeology and Geography).

Students are required to take all the core courses as indicated. Shaded totals represent the minimum required units per semester basing 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 (Dissertation) can be opted only by invitation, that is, with permission of the Department.

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.

#### **Bachelor of Arts in Archaeology**

<b>First Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
AY 100	Introduction to Archaeology	Core	12
AY 106	Survey of World Prehistory	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 112	Development Perspectives I	Core	12
<i>A student must choose one the following course</i>			
BT 130	Evolutionary Botany	Elective	12
AY 105	Introduction to Primatology	Elective	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
AY 101	Principles of Archaeology	Core	12
AY 102	Introduction to Anthropology	Core	12
AY 107	Basics in Dating Methods in Archaeology	Core	12
DS 113	Development Perspectives II	Core	12
HI 261	History of Tanzania	Core	12
<i>A student must choose one of the following courses</i>			
SO 115	Introduction to Culture and Society	Elective	12
SO 118	Introduction to Cultural Anthropology	Elective	12
GE 144	Surveying and Mapping Science	Elective	12
ZL 122	Chordate Zoology	Elective	8
<b>Total</b>			<b>72</b>
<i>First Special Practical Training during the long vacation (8 weeks)</i>			
AY 120	Field Training in Archaeology (Survey)	Core	12

<b>Second Year: Semester I</b>			
AY 211	Development of Archaeological Thoughts	Core	12
AY 203	African Civilizations	Core	12
HI 262	History of East Africa	Core	12
<i>A student must choose at least two of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AY 207	Ceramic Analysis in Archaeology	Elective	12
AY 213	Basics in Archaeometallurgy	Elective	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester II</b>			
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
<i>A student must choose at least two of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12
AY 204	Lithic Analysis in Archaeology	Elective	12
AY 212	Basics in Zooarchaeology	Elective	12
<b>Total</b>			<b>72</b>
<i>First Special Practical Training during the long vacation</i>			
AY 220	Field Training in Archaeology (Excavation)	Core	12
<b>Third Year: Semester I</b>			
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
<i>A student must choose at least one of the following courses</i>			
AY 309	Mortuary Archaeology	Elective	12
AY 306	People and Cultures in Africa	Elective	12
AY 321	Heritage Laws	Elective	12
<b>Total</b>			<b>72</b>
<b>Third Year: Semester II</b>			
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
<i>A student must choose one or two of the following courses</i>			
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
<b>Total</b>			<b>60</b>

++ 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.



## Bachelor of Arts in Heritage Management

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 choose one additional Elective course from the list provided under a relevant semester and *not* from elsewhere. HM 399 (Dissertation) can be opted only by invitation, that is, with permission of the Department.

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>First Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
HM 100	Introduction to Heritage Management	Core	12
AY 100	Introduction to Archaeology	Core	12
CA 100	Art and Society	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 112	Development Perspectives I	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
HM 101	Tourism Development in African History	Core	12
HM 102	Basics in Archival Heritage	Core	12
HM 103	Heritage Conservation in Africa	Core	12
AY 101	Principles of Archaeology	Core	12
DS 113	Development Perspectives II	Core	12
<i>A student must choose at least one of the following courses</i>			
HI 261	History of Tanzania	Elective	12
SO 115	Introduction to Culture and Society	Elective	12
<b>Total</b>			<b>72</b>
<i>First Special Practical Training during the long vacation</i>			
AY 120	Field Training in Archaeology (Survey)	Core	12
<b>Second Year: Semester I</b>			
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
<i>A student must choose at least two of the following courses</i>			
LL 160	Basic French I	Elective	12
LL180	Advanced French I	Elective	12
AS 220	Pan-African Thought and Practice I	Elective	12
HI 262	History of East Africa	Elective	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester II</b>			
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
<i>A student may choose one of the following courses</i>			
LL 161	Basic French II ≈	Elective	12
LL 181	Advanced French II ≈	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12
AY 209	Archaeological Methodology	Elective	12
<b>Total</b>			<b>72</b>
<i>Second Special Practical Training during the long vacation</i>			
AY 230	Practical Training in Heritage Management	Core	12
<b>Third Year: Semester I</b>			
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
<i>A student must choose at least one of the following courses</i>			
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
<b>Total</b>			<b>72</b>
<b>Third Year: Semester II</b>			
HM 303	Architecture in Archaeology	Core	12
HM 304	Intangible Cultural Heritage Resources	Core	12
AY 301	Cultural Heritage Management	Core	12
HM 306	Marketing Heritage Resources	Core	12
HM 307	Heritage Conservation Planning	Core	12
<i>A student must choose one of the following courses</i>			
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
<b>Total</b>			<b>72</b>
HM 399	Independent Project in Heritage Management (Dissertation) ++	Elective	24

++A student who is 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 and 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)

Total minimum number of (core) credits for BA (Heritage Management Studies) is 376.

## Bachelor of Arts in Archaeology and History

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 choose one additional Elective course from the list provided under a relevant semester and *not* from elsewhere. AY 399 (Dissertation) can be opted only by invitation, that is, with permission of the Department.

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.

<b>First Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
AY 100	Introduction to Archaeology	Core	12
AY 106	Survey of World Prehistory	Core	12
***CL 106	Communication Skills for Arts and Social Sciences	Core	12
***PL 111	Introduction to Critical Thinking and Argumentation	Core	12
***DS 112	Development Perspectives I	Core	12
<b>Total</b>			<b>60</b>
<b>First Year: Semester II</b>			
AY 101	Principles of Archaeology	Core	12
AY 102	Introduction to Anthropology	Core	12
*HI 102	Survey of World Prehistory up ca. 1500 AD.	Core	12
*HI 101	Basic Concepts and Perspectives in History	Core	12
*DS 113	Development Perspectives II	Core	12
<i>A student must choose <b>ONE</b> of the following courses</i>			
*SO 115	Introduction to Culture and Society	Elective	12
*SO 118	Introduction to Cultural Anthropology	Elective	12
<i>First Year Special Practical Training during the long vacation (8 weeks)</i>			
**AY 120	Field Training in Archaeology (Survey)	Core	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
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
<i>A student must choose <b>TWO</b> of the following courses</i>			
*AS 220	Pan-African Thought and Practice I	Elective	12
AY 207	Ceramic Analysis in Archaeology	Elective	12
AY 213	Basics in Archaeometallurgy	Elective	12

<b>Total</b>			<b>72</b>
<b>Second Year: Semester II</b>			
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
<i>Second Year Special Practical Training during the long vacation (8 weeks)</i>			
**AY 220	Field Training in Archaeology	Core	12
<i>A student must choose <b>ONE</b> of the following courses</i>			
AY 204	Lithic Analysis in Archaeology	Elective	12
AY 212	Basics in Zooarchaeology	Elective	12
AY 209	Archaeological Methodology	Elective	12
<b>Total</b>			<b>72</b>
<b>Third Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
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
<i>A student must choose <b>TWO</b> of the following courses</i>			
AY 309	Mortuary Archaeology	Elective	12
AY 306	People and Cultures in Africa	Elective	12
AY 321	Heritage Laws	Elective	12
<b>Total</b>			<b>72</b>
<b>Third Year: Semester II</b>			
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
<i>A student must choose <b>ONE OR TWO</b> of the following courses</i>			
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
<b>Total</b>			<b>60</b>

### Bachelor of Arts in Archaeology and Geography

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 choose one additional Elective course from the list provided under a relevant semester and *not* from elsewhere. AY 399 (Dissertation) can be opted only by invitation, that is, with permission of the Department.

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.

<b>First Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
AY 100	Introduction to Archaeology	Core	12
AY 106	Survey of World Prehistory	Core	12
GE 140	Introduction to Physical Geography	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS 112	Development Perspectives I	Core	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
AY 101	Principles of Archaeology	Core	12
AY 102	Introduction to Anthropology	Core	12
GE 145	Introduction to Environmental Education	Core	12
GE 143	Environment Resources and Food Security	Core	12
GE 141	Climatology	Core	12
DS 113	Development Perspectives II	Core	12
<b>Total</b>			<b>72</b>
<i>First Year Special Practical Training during the long vacation (8 weeks)</i>			
AY 120	Field Training in Archaeology (Survey)	Core	12
<b>Second Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
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
<i>A student should choose ONE of the following courses</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AY 207	Ceramic Analysis in Archaeology	Elective	12
AY 213	Basics in Archaeometallurgy	Elective	12
<b>Total</b>			<b>72</b>
<b>Second Year: Semester II</b>			
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
<i>Second Year Special Practical Training during the long vacation (8 weeks)</i>			
AY 220	Field Training in Archaeology (Excavation)	Core	12
<i>A student should choose ONE of the following courses</i>			
AS 221	Pan-African Thought and Practice II	Elective	12

AY 204	Lithic Analysis in Archaeology	Elective	12
AY 212	Basics in Zooarchaeology	Elective	12
<b>Total</b>			<b>72</b>
<b>Third Year: Semester I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
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
<i>A student may choose ONE of the following courses</i>			
AY 309	Mortuary Archaeology	Elective	12
AY 306	People and Cultures in Africa	Elective	12
HM 321	Heritage Laws	Elective	12
<b>Total</b>			<b>72</b>
<b>Third Year: Semester II</b>			
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
<i>A student should choose ONE or TWO of the following courses</i>			
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
<b>Total</b>			<b>72</b>

++ 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.

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 3.4.

## DEPARTMENT OF LITERATURE

The Department offers a BA Literature programme. Focus in this degree programme is on developing skills essential to the objective of the programme. In addition to completing required core course, students may select Elective courses suited to their particular interests or career goals. All entering students are required to have a background on language and literature.

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 (AS 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.

## Bachelor of Arts (Literature)

<b>First Year: Semester I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
LT 110	Introduction to Literary Theories	Core	12
LT 111	African Literature	Core	12
LT 112	Introduction to Literary Devices	Core	12
DS 112	Development Perspective I	Core	12
AS 102	Introduction to Social Science Research I	Core	12
<i>A student may choose only one from the following</i>			
LT 118	Popular Literature	Elective	12
LT 120	Introduction to Argumentative Writing	Elective	12
<b>Total</b>			<b>72</b>
<b>First Year: Semester II</b>			
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 113	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
<b>Total</b>			<b>72</b>
<b>Second Year: Semester I</b>			
LT 210	Poetry	Core	12
LT 212	Drama	Core	12
LT 213	Modern Literary Theories	Core	12
LT 220	African Drama	Core	12
LT 221	Literature and The Negritude Movement	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one courses from the following</i>			
LT 225	Studies in American Literature	Elective	12
AS 217	Introduction to Computers	Elective	12
AS 220	Pan-African Thought and Practice I	Elective	12
<b>Second Year: Semester II</b>			
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
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following</i>			
LT 218	Caribbean Literature	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12
AS 299	Practical Training (done during the long vacation)	Core	12

<b>Third Year: Semester I</b>			
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
<b>Total</b>			<b>60</b>
<i>A student may take the following course</i>			
LT 324	Cross-cultural studies	Elective	12
<b>Third Year: Semester II</b>			
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
<b>Total</b>			<b>60</b>
<i>A student may take the following course</i>			
LT 326	Methodology and Practice in Oral Literature Research (by Invitation)	Elective	12

Total minimum number of (core) credits for BA (Literature) is 376

### DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES

The Department of Philosophy and Religious Studies offers one degree programme namely Bachelor of Arts in Philosophy and Ethics. The department also provides service courses for different programmes.

#### BA (Philosophy and Ethics)

<b>First Year: Semester I</b>			
Code	Title	Status	Credits
PL 100	Introduction to Philosophical Analysis	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
DS 112	Development Perspectives I	Core	12
AS 102	Introduction to Social Science Research Methods I	Core	12
<b>Total</b>			<b>60</b>
<i>A student may take the following course</i>			
PL 121	Scientific Writing and Reading	Elective	12
<b>First Year: Semester II</b>			
PL 112	Formal Logic	Core	12
PL 122	Metaphysics	Core	12
PL 132	Theory of Knowledge	Core	12
DS 113	Development Perspectives II	Core	12
AS 103	Introduction to Social Science Research Methods II	Core	12
<b>Total</b>			<b>60</b>
<i>A student may take the following course</i>			
PL 142	Selective Readings of Philosophical Classics	Elective	12



<b>Second Year: Semester I</b>			
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
<b>Total</b>			<b>36</b>
<i>A student may take two to three of the following courses</i>			
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
<b>Total</b>			<b>48</b>
<b>Second Year: Semester II</b>			
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
<b>Total</b>			<b>36</b>
<i>A student may take two to three of the following courses</i>			
PL242	Applied Ethics	Elective	12
AS 221	Pan-Africanism, Thoughts and Practice II	Elective	12
DS 212	Globalization and Development	Elective	12
FP 100	Art and Society	Elective	12
<b>Total</b>			<b>48</b>
<b>Third Year: Semester I</b>			
PL 311	Professional and Civic Ethics	Core	12
PL 321	Philosophy of Law and Human Rights	Core	12
PL 331	African Philosophy	Core	12
<b>Total</b>			<b>36</b>
<i>A Student may take two to three of the following courses</i>			
PL 341	Philosophy of Religion	Elective	12
PL 351	Business Ethics	Elective	12
LT 312	Language and Literature	Elective	12
<b>Total</b>			<b>36</b>
<b>Third Year: Semester II</b>			
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
<b>Total</b>			<b>36</b>
<i>A Student may take TWO to THREE of the following courses</i>			
PL 342	Philosophy of Language	Elective	12
PL 352	Ethics of Leadership and Management	Elective	12
PL 362	Bioethics	Elective	12
<b>Total</b>			<b>36</b>

## **BACHELOR OF ARTS WITH EDUCATION**

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 or the Institute of Kiswahili Studies (for Kiswahili courses) and Education courses offered by the School of Education. A student must pick at least one of the two subjects – Teaching Subject #1 and Teaching Subject #2 - from the College.

The departments which offer courses to BA (Education) students are:

Creative Arts (CoHU)  
Foreign Languages and Linguistics (CoHU),  
History (CoHU),  
Literature (CoHU),  
Geography (CoSS),  
Economics (CoSS),  
Political Science and Public Administration (CoSS), as well as the  
Institute of Kiswahili Studies (IKS).

2. Compulsory University/College-wide courses  
For BA (Education) students the following are compulsory/college-wide courses:  
DS 112 Development Perspectives I 12 credits  
DS 113 Development Perspectives II 12 credits  
CL 106 Communication Skills 12 credits  
BA (Education) students are exempted from all other college-wide courses taken by CoHU students.
  3. The School of Education offers two teaching method courses: CT 106 for those taking language subjects such as English, French or Kiswahili and CT 107 for those taking non-language subjects such as History, Creative Arts, Geography, Political Science and Public Administration or Economics.
  4. The regulation that the number of credits per semester should lie between 60 and 72 per semester has to be adhered to. However, given the requirement to take college/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.
- 4.1 Following item No. 3 above, three scenarios are described, depending on the two Teaching Subjects combinations which a student may decide to take.  
Language BA (Education): Students choose teaching subjects 1 and 2 from language subjects. For the time being, these include English, French and Kiswahili.  
Non-language BA (Education): Students choose teaching subjects 1 and 2 from non-language subjects such as History, Geography, Creative Arts, Political Science and Public Administration or Economics.

Language + Non-language BA (Education) Students choose one language subject and one non-language subject. For instance, English and History; or French and Geography.

- 4.2 It is particularly important to take note of the implications of the choice a student makes according to 4.1 above. During Second Year-Semester I:

Language BA (Education), i.e. students will take CT 106 in addition to EP 101 (24 credits).

Non-Language BA (Education) students: Students will take CT 107 in addition to EP 101 (24 credits).

Students who combine language and non-language subjects must take both CT 106 and CT 107, in addition to EP 101 (36 credits).

Tables 6a guides the counting of credits and registration of courses for students who take two Languages as two Teaching Subjects (have to take CT 106 and EP 101) and those students who decide to take two non-language subjects as teaching subjects (taking CT 107 and EP 101) during Second Year-Semester I.

**Table 6 (a): Case of Two Languages or Two Non-language Subjects**

	Semester I		Semester II		Year Total
		Credits		Credits	
1st year	Teaching Subject 1(two courses)	24	Teaching Subject 1(two courses)	24	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2(one course)	12	
	EF 100	12	CT 100	12	
	DS 112	12	DS113	12	
			CL106	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
2nd Year	Teaching Subject 1(two courses)	24	Teaching Subject 1(two courses)	24	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2(two courses)	24	
	CT 106 or CT107	12	CT 200	12	
	EP 101	12	CT 201	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
3rd Year	Teaching Subject 1 (two courses)	24	Teaching Subject 1 (two courses)	24	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2 (two courses)	24	
	EA 300	12	EF 303	12	
	EP 306	12	EP 300	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
<b>Programme Total</b>					<b>432</b>

Table 6b shows the distribution of credits for students taking one language and one art subject as teaching subjects. These students have to take CT 106, CT 107 and EP 101.

**Table 6 (b): Case of One Language and One Non-language Subjects**

	Semester 1		Semester II		Year Total
		Credits		Credits	
1st year	Teaching Subject 1 (two courses)	24	Teaching Subject 1 (two courses)	24**	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2 (one course)	12**	
	EF 100	12	CT 100	12	
	DS112	12	DS13	12	
			CL106	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
2nd Year	Teaching Subject 1 (one course)	12**	Teaching Subject 1 (two courses)	24	
	Teaching Subject 2(two courses)	24**	Teaching Subject 2 (two courses)	24	
	CT 106	12	CT 200	12	
	CT107	12	CT 201	12	
	EP 101	12			
		<b>Sub-total</b>	<b>72</b>		
3rd Year	Teaching Subject 1 (two courses)	24	Teaching Subject 1(two courses)	24	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2 (two courses)	24	
	EA 300	12	EF 303	12	
	EP 306	12	EP 300	12	
		<b>Sub-total</b>	<b>72</b>		
<b>Programme Total</b>					<b>432</b>

First Year Semester I: limit is 72 credits.

\*\*First Year Semester II: Given the need to take DS 112, CL 106 and CT100 (accounting for 36 credits), students are needed to take fewer credits in one of the content courses. That is, students will take two courses from one Teaching Subject and one course from the other, to get 36 credits which, when added to the 62 credits sum up to 72 credits.

\*\*Second Year – Semester I: Given that students who combine language and non-language subjects must take CT 106, CT 107 and EP 101, they need, during second year, semester I, to take 36 credits instead of 48 from the content subjects. That is, students will take two courses from one Teaching Subject and one course from the other, to get 36 credits which, when added to the 36 credits sum up to 72 credits.

### 5. Teaching Practice

All BA (Education) students must register for two Teaching Practice ‘practical courses’ (TP) administered by the School of Education.

Teaching Practice 1 (CT 101) during the long vacation after Semester II of 1st year (core, 12 credits)

Teaching Practice II (CT 202) during the long vacation after Semester II of 2nd year (core, 12 credits)

**Note:** credits of these ‘practical courses’ are not counted in the 60-72 credits/semester bracket as they are offered outside the two class-room based semesters. Note that no one can graduate without passing both CT 101 and CT 202.

The course details are as follows:

## **BA (EDUCATION) COURSES BY OFFERING DEPARTMENT**

### **1. Department of Creative Arts**

**Important Note:** Students must choose and stick to only one of the following three sub-streams in the department: Music, Fine Arts and Theatre Arts for continuing student and four sub-streams for first year students, i.e. Music, Art and Design, Theatre Arts, and Film and Television. Crossing of sub-streams or degree programmes is not permitted.

<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
<b>Music Sub-Stream</b>			
<i>First Year: Semester I (Music)</i>			
CA 104	Fundamentals of Music	Core	12
CA 105	Piano Instruction	Core	12
<i>First Year: Semester II (Music)</i>			
CA 114	Music Theory	Core	12
CA 115	Introduction to Instrumental Instruction (selected instrument)	Core	12
<i>Second Year: Semester I (Music)</i>			
CA 204	Advance Music Theory	Core	12
CA 215	Instrumental Instruction	Core	12
<i>Second Year: Semester II (Music)</i>			
CA 214	Composition and Arranging	Core	12
CA 224	Music Cultures of the World	Core	12
<i>Third Year: Semester I (Music)</i>			
CA 320	Research in the Creative Arts	Core	12
CA 304	Advanced Composition and Arranging	Core	12
<i>Third Year: Semester II (Music)</i>			
CA 355	Documentation and Archiving	Core	12
CA 345	Project in Music Performance	Core	12
<b>Art and Design Sub-Stream</b>			
<i>First Year: Semester I (Art and Design)</i>			
CA 100	Creative Art and Society	Core	12
CA 101	Fundamentals of Drawing	Core	12

Code	Course Title	Status	Credits
<i>First Year: Semester II (Art and Design)</i>			
CA 102	Fundamentals of Graphic Design	Core	12
CA 121	Fundamentals of Painting	Core	12
<b>Fine Arts Sub-Stream</b>			
<i>Second Year: Semester I (Fine Arts)</i>			
CA 201	Advanced Drawing	Core	12
CA 242	Printmaking	Core	12
<i>Second Year: Semester II (Fine Arts)</i>			
CA 211	Advanced Painting	Core	12
CA 241	Studies in African Arts	Core	12
<i>Third Year: Semester I (Fine Arts)</i>			
CA 320	Research in the Creative Arts	Core	12
CA 303	Special studies in Fashion Design	Core	12
<i>Third Year: Semester II (Fine Arts)</i>			
CA 321	Special Studies in Painting	Core	12
CA 341	History of World Art	Core	12
<b>Theatre Arts Sub- stream</b>			
<i>First Year: Semester I (Theatre Arts)</i>			
CA 119	Theatre Practices in Tanzania	Core	12
CA 109	Introduction to African Dance	Core	12
<i>First Year: Semester II (Theatre Arts)</i>			
CA 129	African Theatre	Core	12
CA 149	Acting	Core	12
<i>Second Year: Semester I (Theatre Arts)</i>			
CA 200	Art Communication and Social Mobilization	Core	12
CA 249	Advanced Acting	Core	12
<i>Second Year: Semester II (Theatre Arts)</i>			
CA 218	Play Writing	Core	12
CA 229	Theatre for Children and Youth	Core	12
<i>Third Year: Semester I (Theatre Arts)</i>			
CA 320	Research in the Creative Arts	Core	12
CA 318	Advanced Play Writing	Core	12
<i>Third Year: Semester II (Theatre Arts)</i>			
CA 349	Play Production	Core	12
CA 359	Theatre in Education	Core	12

## 2. Department of Foreign Languages and Linguistics

Code	Course Title	Status	Credits
<b>English</b>			
<i>First Year: Semester I</i>			
LL 101	Introduction to Linguistic Structure	Core	12
LL 212	Introduction to English Structure and Function	Core	12
<i>First Year: Semester II</i>			
LL 114	English Language Practice	Core	12
LL 102	Social and Biological Aspects of Language	Core	12
<i>Second Year: Semester I</i>			
LL 215	Dialects of English	Core	12
LL 219	Introductory English Phonetics and Phonology	Core	12
<i>Second Year: Semester II</i>			
LL 214	English Structure	Core	12
LL 202	Morphology	Core	12
<i>Third Year: Semester I</i>			
LL 317	Introduction English Pragmatics	Core	12
LL 201	Linguistic Theory	Core	12
<i>Third Year: Semester II</i>			
LL 314	Second Language Acquisition	Core	12
LL 302	Sociolinguistics	Core	12
<b>French</b>			
<i>First Year: Semester I</i>			
LL 170	Advanced French I	Core	12
LL 172	Introduction to Francophone Literature	Core	12
<i>First Year: Semester II</i>			
LL 171	Advanced French II	Core	12
LL 173	French Oral Literature from Africa	Core	12
<i>Second Year: Semester I</i>			
LL 270	Advanced French III	Core	12
LL 274	Introduction to Translation	Core	12
<i>Second Year: Semester II</i>			
LL 271	Advanced French IV	Core	12
LL 277	French Phonetics and Phonology	Core	12
<i>Third Year: Semester I</i>			
LL 370	Advanced French V	Core	12

Code	Course Title	Status	Credits
LL 374	Translation I	Core	12
<i>Third Year: Semester II</i>			
LL 371	Advanced French VI	Core	12
LL 377	French Morphology and Syntax	Core	12

### 3. Department of History

Code	Course Title	Status	Credits
<i>First Year: Semester I</i>			
HI 103	Capitalism and Imperialism in World History	Core	12
HI 104	Themes in African History	Core	12
<i>First Year: Semester II</i>			
HI 102	Survey of World History to ca. 1500 A. D	Core	12
HI 261	History of Tanzania	Core	12
<i>Second Year: Semester I</i>			
HI 262	History of East Africa	Core	12
HI 260	Philosophies and Methodologies of History	Core	12
<i>Second Year: Semester II</i>			
HI 271	History of West Africa	Core	12
HI 263	History of Central Africa OR+	Core	12
HI 362	History of South Africa	Core	12
<i>Third Year: Semester I</i>			
HI 360	Economic History of Tanzania	Core	12
HI 368	Oral Histories in Tanzania: Theory	Core	12
<i>Third Year: Semester II</i>			
HI 364	Industrialization and the Rise of the Working Class in Britain	Core	12
AY 304	Basics in Archaeology	Core	12
+ In addition to West Africa (HI 271) a student will choose either Central Africa (HI 263) or South Africa (HI 362) to make a total of two courses for Semester II.			

### 4. Department of Literature

Code	Course Title	Status	Credits
<i>First Year: Semester I</i>			
LT 110	Introduction to Literary Theories	Core	3
LT 111	African Literature	Core	3
<i>First Year: Semester II</i>			



<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
LT 112	Introduction to Literary Devices	Core	3
LT 116	Literature and Society	Core	3
<i>Second Year: Semester I</i>			
LT 210	Poetry	Core	3
LT 212	Drama	Core	3
<i>Second Year: Semester II</i>			
LT 213	Modern Literary Theory	Core	3
LT 214	Development of the Novel	Core	3
<i>Third Year: Semester I</i>			
LT 310	African Women Writers	Core	3
LT 311	Theory and Practice of Publishing	Core	3
<i>Third Year: Semester II</i>			
LT 312	Language and Literature	Core	3
LT 315	African American Literature	Core	3

## 5. Department of Economics

<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
<i>First Year: Semester I</i>			
EC 116	Introductory Microeconomic Analysis I	Core	12
EC 117	Introductory Macroeconomic Analysis I	Core	12
<i>First Year: Semester II</i>			
EC 126	Introductory Microeconomic Analysis II	Core	12
EC 127	Introductory Macroeconomic Analysis II	Core	12
<i>Second Year: Semester I</i>			
EC 216	Intermediate Microeconomic Analysis I	Core	12
EC 217	Intermediate Macroeconomic Analysis I	Core	12
<i>Second Year: Semester II</i>			
EC 226	Intermediate Microeconomic Analysis II	Core	12
EC 227	Intermediate Macroeconomic Analysis II	Core	12
<i>Third Year: Semester I</i>			
EC 371	Monetary Economics I	Core	12
EC 373	International Economics I	Core	12
<i>Third Year: Semester II</i>			
EC 381	Monetary Economics II	Core	12
EC 383	International Economics II	Core	12

## 6. Department of Geography

Code	Course Title	Status	Credits
<i>First Year: Semester I</i>			
GE 140	Introduction to Physical Geography	Core	12
GE 142	Spatial Organisation	Core	12
<i>First Year: Semester II</i>			
GE 144	Surveying and mapping science	Core	12
GE 141	Spatial Organisation	core	12
<i>Second Year: Semester I</i>			
GE 244	Quantitative Methods in Geography	Core	12
GE 145	Environmental Education	Core	12
<i>Second Year: Semester II</i>			
GE 241	Biography	Core	12
GE 247	Population Studies	Core	12
<i>Third Year: Semester I</i>			
GE 343	Population and Development	Core	12
GE 352	Natural Resources Management	Core	12
<i>Third Year: Semester II</i>			
GE 341	Contemporary Geography in Africa	Core	12
GE 349	Agriculture and Rural Settlements	Core	12

## 7. Department of Political Science and Public Administration

Code	Course Title	Status	Credits
<i>First Year: Semester I</i>			
PS 110	Introduction to Political Science I	Core	12
PS 122	Political Thought I	Core	12
<i>First Year: Semester II</i>			
PS 111	Introduction to Political Science II	Core	12
PS 113	Governments and Politics in Tanzania	Elective	12
<i>Second Year: Semester I</i>			
PS 231	African Political Thought	Core	12
PS 233	Introduction to Public Policy	Core	
<i>Second Year: Semester II</i>			
PS 225	Local Government	Core	12
PS 226	Legislature and Legislative Processes	Core	12

Code	Course Title	Status	Credits
<i>Third Year: Semester I</i>			
PS 334	Human Rights: Theory and Practice	Core	12
PS 337	Civil Society and the State	Core	12
<i>Third Year: Semester II</i>			
PS 341	Public Administration in Tanzania	Core	12
PS 335	Democracy: Theory and Practice	Core	12

### 8. Institute of Kiswahili Studies (IKS) / Taasisi ya Taaluma za Kiswahili (TATAKI)

Msimbo	Jina la Kozi	Hadhi	Maksi
<i>Mwaka wa Kwanza: Semista ya Kwanza</i>			
KF 102	Utangulizi wa Fasihi (Simulizi na Andishi)	Lazima	12
KI 107	Misingi ya Isimu	Lazima	12
<i>Mwaka wa Kwanza: Semista ya Pili</i>			
KF 103	Nadharia na Uhakiki wa Fasihi	Lazima	12
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	Lazima	12
<i>Mwaka wa Pili: Semista ya Kwanza</i>			
KI 208	Fonolojia ya Kiswahili	Lazima	12
KF 202	Fasihi Andishi ya Kiswahili	Lazima	12
<i>Mwaka wa Pili: Semista ya Pili</i>			
KI 209	Mofolojia ya Kiswahili	Lazima	12
KF 203	Fasihi ya Watoto na Vijana	Lazima	12
<i>Mwaka wa Tatu: Semista ya Kwanza</i>			
KI 310	Sintaksia ya Kiswahili	Lazima	12
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Lazima	12
<i>Mwaka wa Tatu: Semista ya Pili</i>			
KI 311	Semantiki na Pragmatiki ya Kiswahili	Lazima	12
KF 303	Elimu-Mitindo ya Fasihi ya Kiswahili	Lazima	12

### 9. School of Education

Code	Course Title	Status	Credits
<i>First Year: Semester I</i>			
EF 100	Principles of Education	Core	12
<i>First Year: Semester II</i>			
CT 100	Introduction to Teaching	Core	12
CT 101	Teaching Practice (during long vacation)*	Core	12

Code	Course Title	Status	Credits
<i>Second Year: Semester I</i>			
CT 106	Secondary Education Language Methods**	Core	12
CT 107	Social Science Education Methods**	Core	12
EP 101	Introduction to Educational Psychology	Core	12
<i>Second Year: Semester II</i>			
CT 200	Principles of Curriculum Development and Teaching	Core	12
CT 201	Educational Media and Technology	Core	12
CT 202	Teaching Practice (during long vacation)*	Core	12
<i>Third Year: Semester I</i>			
EA 300	Management of Education and School administration	Core	12
EP 306	Counselling and Special Needs Education	Core	12
<i>Third Year: Semester II</i>			
EF 303	Professionalism and Ethics in Education	Core	12
EP 300	Educational Measurement and Evaluation	Core	12

\*Note: these are done during long vacation, i.e., outside the semester duration

\*\*CT 106 is for students doing Languages (English, French and Kiswahili). CT 107 is for students doing non-language subjects (Economics, Geography, History and Political Science) (for more guidance see Table 6a above). However, students whose teaching subjects include language and social science subjects (e.g. English/Kiswahili and History or Geography, or Political Sciences, etc.), must take both CT 106 and CT 107, in addition to EP 101 (for more guidance see Table 6b above).

#### PRINCIPAL ADDRESSES OF THE COLLEGE OF HUMANITIES

Address	Telephone	Ext.	E-Mail
Principal College of Humanities P. O. Box 35051 Dar es Salaam	+255 22 2410472	2294	pcohu@udsm.ac.tz
Deputy Principal College of Humanities P. O. Box 35051 Dar es Salaam	+255 22 2410092	2310	dpcohu @udsm.ac.tz
Coordinator Postgraduate Studies College of Humanities P. O. Box 35051 Dar es Salaam	NIL	2207	pgscohu@udsm.ac.tz
Coordinator Undergraduate Studies College of Humanities P. O. Box 35051	+255 22 2410475	2297	ugscohu@udsm.ac.tz

Dar es Salaam			
Coordinator Practical Training College of Humanities P. O. Box 35051 Dar es Salaam	NIL		ptcohu@udsm.ac.tz
Principal Administrative Officer College of Humanities P. O. Box 35051 Dar es Salaam	+255 22 2410247	2206	paocohu@udsm.ac.tz
Head Department of Creative Arts College of Humanities P. O. Box 35044 Dar es Salaam	+255-22- 2410471	2037	fpa@udsm.ac.tz
Head Department of Foreign Languages and Linguistics College of Humanities P. O. Box 35040 UDSM es Salaam	+255 22 2410749	2042	foreignlanguages@udsm.ac.tz
Head Department of History College of Humanities P. O. Box 35050 Dar es Salaam	+255 22 2410397	2217	history@udsm.ac.tz
Head Department of Literature College of Humanities P. O. Box 35041 Dar es Salaam	+255 22 2410500-8	2311	literature@udsm.ac.tz
Head Department of Archaeology and Heritage Studies College of Humanities Dar es Salaam	+255-222410500-8	2195	archaeology@udsm.ac.tz
Head Department of Philosophy and Religious Studies College of Humanities Dar es Salaam	NIL		philosophy@udsm.ac.tz
Director Centre for Communication Studies College of Humanities P.O. Box 35040 Dar es Salaam	+255-737944466	2291	comstudies@udsm.ac.tz

Director Humanities Research Centre College of Humanities P.O Box 35051 Dar es Salaam	NIL		hrc@udsm.ac.tz
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## COHU STAFF LIST

### THE OFFICE OF THE PRINCIPAL

#### **Principal of the College and Senior Lecturer**

R. A. Upor, BAEd (Hons), MA (Dar), PhD (Georgia)

#### **Deputy Principal and Senior Lecturer**

M. Y. M Silkiluwasha, BAEd MA, (Dar), PhD (Illinois)

#### **Coordinator, Postgraduate Studies**

D. Sanga, BA, (Dar), MA (The Hague), PhD (Bayreuth)

#### **Coordinator, Undergraduate Studies**

M. F. Lyakurwa, BA (Urbaniana Roma), MA (Dar), PhD (Stellenbosch)

#### **Coordinator, Research, Publication and Consultancy**

H. Kangalawe, BAEd, MA (Dar), PhD (Stellenbosch)

#### **Coordinator, Practical Training**

G. E. Kimambo, BAEd, MA (Dar), PhD (Stellenbosch)

#### **Coordinator, Quality Assurance**

P. C. Mdukula, BAEd, MA, PhD (Dar)

#### **Principal Administrative Officer**

A. M. Allen, BAPSPA, PGD Scientific Computing (Dar), PGD (Leadership and Governance) (TPSC), MBA (HRM) (Dar)

#### **Administrative Officer**

D. W. Semkwiji BA, MA (Dar)

#### **Senior Systems Administrator**

A. C. Moshi, BSc (Dar)

## DEPARTMENT OF CREATIVE ARTS

### **Head and Senior Lecturer**

K. Mapana, BA, MA (Dar), PhD (Washington)

### **Professor**

I. Sanga, BA, MA (Dar), PhD (University of KwaZulu-Natal)

**Senior Lecturers**

K. Mapana, BA, MA (Dar), PhD (Washington)  
L. C. Mwenesi, Dipl. Ed., BA (Dar), P.G. Dipl. Graphics (Glasgow), M.V.A. (Alberta), PhD (Edmonton)  
V. Shule, BA, MA (Dar), PhD (Johannes Gutenberg-Universität)  
M. Ndomondo, BA, MA (Dar), PhD (University of Texas at Austin)  
D. Sanga, BA, (Dar), MA (The Hague), PhD (Bayreuth)

**Lecturers**

M. Mwakalinga, BA, MA (Dar), PhD (University of Kansas)  
D. Enock, BA, MA, PhD (Dar)  
K. Mkallya, BA, MA, PhD (Dar)  
A. Mohammed, BA, MA (Dar), MA (West Virginia State University), PhD (Ohio)  
N. Kigombe, BA, MA (Dar), PhD (Berlin)  
G. D. Nahimiani, BA, MA, PhD (Dar)  
D. Njewe, BA, MA (Dar), MA (Witwatersrand), PhD (Dar)  
E. Mwakibete, BA, MA (Dar)  
\*K. Kilonzo, BFA (University of North Texas), MA (Dallas), PhD (Dar)

**Assistant Lecturers**

A. Shivji, BA (York Univ. Toronto)

**Tutorial Assistants**

\*A. Semiono, BA (Dar)  
\*G. Kamala, BA (Dar)

**Principal Studio Instructor I**

C. Kayoka, BA (Dar)

**Principal Studio Instructor II**

S. Ndibalema, BA, MA (Dar)  
S. M. Mungy, Dip (Dar), MA (Westminster)  
L. Sarakikya, BA (USIU), MA (ECU)

**Studio Instructor II**

E. Nyabwa, BA (Dar)

**Studio Instructor III**

\*O. Majembe, BA (UDOM)

**Principal Artist in Residence**

S. Kimbokota BA MA (Dar)

**Artist in Residence II**

M. Banyanka, BA (Makumila Univ. Arusha)  
C. S. Maembe, BA (Dar)

**NB:**

\* On study leave  
\*\* On Leave without pay

## DEPARTMENT OF FOREIGN LANGUAGES AND LINGUISTICS

### *Head and Lecturer*

A. D. Mallya, BAEd, MA (Dar), PhD (Stellenbosch)

### *Associate Professor*

G. C. Mapunda, BAEd, MA, PhD (Dar)

### *Senior Lecturers*

R. A. Upor, BAEd, MA (Dar), PhD (Georgia)

E. A. Msuya, BAEd, MAEd, PhD (Dar)

A. M. Keya, BA (Dar), MA (Birmingham), PhD (Dar)

N. B. Mtavangu, BAEd, MA (Dar), PhD (INALCO)

### *Lecturers*

A. A. Rubera, BA (Nur), MA, PhD (Paris XIII)

E. N. Shartiely, BAEd, MA (Dar), PhD (Stellenbosch)

\*A. F. Mulinda, BAEd, MA (Geneva)

A. D. Mallya, BEd, MA (Dar), PhD (Stellenbosch)

G. E. Kimambo, BAEd, MA (Dar), PhD (Stellenbosch)

N. N. Asheli, BAEd, MA, PhD (Dar)

J. J. Taji, BAEd, MA, PhD (Dar)

F. R. Rutechura, BAEd, MA, PhD (Dar)

D. D. Makanjila, BAEd, MA (Dar), PhD (Stellenbosch)

G. G. Mwombeki, BAEd, MA (Dar), PhD (Stellenbosch)

K. L. Mathayo, BAEd, MA, PhD (Dar)

### *Assistant Lecturers*

N. A. Ngoda, BA (Dar), MA (Buea)

G. M. Moses, BA, MA (Dar)

C. I. Kilangi, BAEd, MA (Dar)

F. K. Kristomus, BAEd, MA (Dar)

\*O. M. Mwampalile, BAEd, MA (Dar)

\*P. L. Lunyili, BAEd, MA (Dar)

\*E. M. Msambwa, BAEd, MA (Dar)

\*I. P. Mwambapa, BAEd, MA (Dar)

\*M. C. Ibrahim, BAEd, MA (Dar)

\*G. F. Muganda, BAEd, MA (Dar)

\*B.P. Msagalla, BAEd, MA (Dar)

\*L. P. Ngwasi, BAEd, MA (Dar)

\*L.V. Mwinuka, BAEd (MUCE), MA (Dar)

\*D. J. Nyakana, BAEd, MA (Dar)

\*\*C. P Bordereau, BA (Angers)

### *Tutorial Assistants*

I. Joseph BAEd (Dar)

\*S. Duwe BA (Dar)

### **NB:**

\* On study leave

\*\* On Leave without pay



## **DEPARTMENT OF LITERATURE**

### ***Head and Senior Lecturer***

E. S. Mwaifuge, BA (Dar), Cert in American Studies (W. Michigan), MA, PhD (Dar)

### ***Associate Professors***

M. Andindilile, BA, MA (Dar), MA (City), MPhil, PhD (Fordham)

E. S. Mwaifuge, BA (Dar), Cert in American Studies (W. Michigan), MA, PhD (Dar)

### ***Senior Lecturers***

Y. M. M. Silkiluwasha, BAEd, MA (Dar), PhD (Illinois)

J. X. Wakota, BEd, MA (Dar), PhD (Stellenbosch)

### ***Lecturers***

E. P. Lema, BAEd, MA, PhD (Dar)

Y. C. Ng'umbi, BAEd, MA (Dar), PhD (Stellenbosch)

D. Nyanda, BAEd, MA (Dar), PhD (Stellenbosch)

N. Eliphias, BAEd, MA (Dar), PhD (Stellenbosch)

### ***Assistant Lecturers***

B. Mgaya, BAEd, MA (Dar)

L. Herman, BAEd, MA (Dar)

O. Kanyawana, BAEd, MA (Dar)

S. Elias, BAEd (Dar), MA, (Airlangga)

\*E. Kweka, BEd, MA (Dar)

\*M. Musagasa, BAEd, MA (Dar)

\*H. Msilikale, BAEd, MA (Dar)

\*R. N. Nzegenuka, BAEd, MA (Dar)

\*I. Fedeo, BAEd, MA (Dar)

### ***Tutorial Assistant***

\*D. Mdugala, BAEd (Dar)

### **NB:**

\*On studies

## **DEPARTMENT OF HISTORY**

### ***Head and Lecturer***

M. Sadock, BAEd (Dar), MA (Iowa), PhD (Dar)

### ***Professor***

F. J. Kaijage, BA, MA, PhD (Warwick)

### ***Associate Professors***

Y. Q. Lawi, BEd, MA, (Dar), PhD (Boston)

### ***Senior Lecturer***

O. Masebo, BAEd, MA, (Dar), PhD (Minnesota)

### ***Lecturers***

M. Sadock, BAEd (Dar), MA (Iowa), PhD (Dar)  
G. Sumbai, BEd, MA, PhD (Dar)  
M. Chuhila, BAEd, MA (Dar), PhD (Warwick)  
G. Ambindwile, BAEd, MA, PhD (Dar)  
I. R. Magoti, BAEd, MA, PhD (Dar)  
J. Zotto, BAEd, MA, PhD (Dar)  
S. Nyanto, BA, MA (Dar), PhD (Iowa)  
H. Kangalawe, BAEd, MA (Dar), PhD (Stellenbosch)  
H. Ndomba, BAEd, MA (Dar), PhD (Stellenbosch)  
A. Onyiego, BAEd, MA, PhD (Dar)

### ***Assistant Lecturers***

\*R. Kirey, BAEd, MA (Dar)  
\*F. Edward, BA, MA (Dar)  
\*E. Mchome, BAEd, MA (Dar)  
\*Y. Komba, BAEd, MA (Dar)  
\*J. Marmo, BAEd, MA (Dar)  
\*A. Kifyasi, BAEd, MA (Dar), MA (Zhejiang)

### ***Tutorial Assistants***

B. Mtechura, BAEd (Dar)

### **NB:**

\*On study leave

## **DEPARTMENT OF ARCHAEOLOGY AND HERITAGE STUDIES**

### ***Acting Head and Senior Lecturer***

E. Mjema, BA, MA (Dar), PhD (Frankfurt)

### ***Professor***

F. A. Chami, BA (Dar), MA (Brown), PhD (Uppsala)

### ***Associate Professors***

A. Z. P. Mabula, BA (Dar), MA, PhD (Florida)

### ***Senior Lecturers***

E. T. Kessy, BA (Dar), MPhil. (Cambridge), PhD (Simon Fraser)  
P. M. Bushozi, BA, MA (Dar), PhD (Alberta)  
T. J. Biginagwa, BA, MA (Dar), PhD (York)  
E. C. Lyaya, BA, MA (Dar), PhD (London)  
E. Mjema, BA, MA (Dar), PhD (Frankfurt)  
E. Ichumbaki, BA, MA, PhD (Dar)  
\*\*N. Lwoga, BA (Makerere), MA (Dar), MA (OUT), PhD (Dar)

### ***Lecturers***

F. Masele, BA, MA (Dar), PhD (Alberta)  
P. Makarius, BA, MA (Dar), PhD (Calgary)  
R. Bigambo, BA, MA (Dar), PhD (Birmingham)

***Assistant Lecturers***

N. Rushohora, BA, MA (Dar)

\*S. Musa, BA, MA (Dar)

\*M. Bundala, BA, MA (Dar)

***Tutorial Assistant***

S. R. Mark, BA (Dar)

**NB:**

\* On study leave

\*\* On Leave without pay

**DEPARTMENT OF PHILOSOPHY AND RELIGIOUS STUDIES**

***Head and Senior Lecturer***

N. E. Mhando, BA, MA (Dar), PhD (London)

***Professors***

H. Lauer, BA (New York), BA (Accra), MA, PhD (New York)

***Senior Lecturers***

E. C. Magoti, BA, MA (Louvain), PhD (Birmingham)

N. E. Mhando, BA, MA (Dar), PhD (London)

***Lecturers***

A. S. Mihanjo, BA, MA, PhD (Manila)

M. F. Lyakurwa, BA (Urbaniana Roma) MA (Dar), PhD (Stellenbosch)

\*\*N. M. Masoud, BA, MA, PhD (Moscow)

***Assistant Lecturers***

J. J. Coy, BA (Jordan), MA (Dar)

S. Kuhumba, BA (Jordan), MA (Bangalore)

I. Kivinge, BA, MA, (Jordan)

\* P. J. Komu, BA (Jordan), MA (Dar)

\* P. Tumainimungu, BA, MA, (Dar)

\* E. Mgalula, BA (Nairobi), MA (Dar)

***Tutorial Assistants***

L. S. Kitula, BA (Dar)

V. W. Mujuni, BA (Rome)

**NB:**

\*On study leave

**CENTRE FOR COMMUNICATION STUDIES (CCS)**

***Director and Lecturer***

M. L. Karani, Cert. IIIA (Monduli TTC), BAEd, MA (Dar), PhD (Stellenbosch)

***Associate Professor***

M. A. S. Qorro, BA (Dar), MA (Banger), PhD (Dar)

***Senior Lecturers***

M. Y. Kadeghe, BA, MA, PhD (Dar)

***Lecturers***

M. L. Karani, Cert. IIIA (Monduli TTC), BAEd, MA (Dar), PhD (Stellenbosch)

P. C. Mdukula, BAEd, MA, PhD (Dar)

P. L. Joseph, BAEd, MA (Dar), PhD (Stellenbosch)

***Assistant Lecturers***

G. Y. Njiro, BAEd, MA (Dar)

J. J. Olomy, BAEd, MA (Dar)

J. A. Msuya, BA, MA (Dar)

Z. R. Geuza, BA (Dar), MSc (Moi)

S. L. Kayuni, BAEd (Dar), MA (UDOM)

\*Z. O. Saul, BA, MA (Dar)

***Tutorial Assistants***

\*R. K. Millambo, BA (Dar)

\*F. Mulinda, BA (Dar)

**NB:**

\*On study leave

## **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 training, research and consultancy in ICT at national and international levels. 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)
- (iv) University of Dar es Salaam ICT Incubator (UDICTI)

The College offers the following undergraduate programmes:

- (i) Bachelor of Science in Computer Science (BSc Comp. Sci.) (3 years)
- (ii) Bachelor of Science with Computer Science (BSc with Comp. Sci.) (3 years) with the following combinations:
  - a. Computer Science with Mathematics;
  - b. Computer Science with Physics and
  - c. Computer Science with Statistics
- (iii) Bachelor of Science in Business Information Technology (BScBIT) (3 years)
- (iv) Bachelor of Science in Electronics Science and Communication (BSc ES) (3 years)
- (v) Bachelor of Science in Computer Engineering and Information Technology (BSc CIT) (4 years)
- (vi) Bachelor of Science in Telecommunications Engineering (BSc Telecoms) (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 University of Dar es salaam and the transferred credits.
8. Student 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 course 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)**

33. 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 weeks 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.
4. 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.
5. 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.
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 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.
9. A student who fails in a supplementary PT and has a GPA of less than 2.0 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.
12. PT assessment will be based on the following items:

Employers Assessment	10%
Logbook	20%
Final Report	60%
Supervisor’s Report	10%
<b>TOTAL</b>	<b>100%</b>

- (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 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 conclusions 05%

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Bachelor of Science in Computer Science**

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
CL 111	Communication Skills for Engineers	8	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
<b>Second Year: Minimum Elective Credits per Semester is 8</b>				

CS 243	Computer Network Design and Administration	12	1	Core
CS 252	Computer Organization and Architecture II	12	1	Core
IS 274	Object Oriented Analysis and Design	8	1	Core
IS 237	Data Abstraction and Algorithms	12	1	Core
IS 264	Principles of Database Systems	12	1	Core
IS246	Principles of Computer Graphics	8	1	Core
IS 247	Game Theory and Applications	8	1	Elective
IS 248	Multimedia Systems	8	1	Elective
MT 278	Linear Programming	8	1	Elective
MT 249	Mathematical Logic and Formal Semantics	12	2	Core
IS 236	Structured Systems Analysis and Design	8	2	Core
CS 234	Object Oriented Programming in Java	12	2	Core
IS 238	Mobile Application Development	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
<b>Third Year (Double Major)</b>				
IS 344	Human Computer Interaction	12	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
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 with Computer Science

Code	Course Title	Credit	Semester	Status
<b>First Year (Single Major with IS and MT + ST or PH)</b>				

IS 142	Introduction to High Level Programming	12	1	Core
IS 161	Basic Computer Applications	12	1	Core
IS 139	Introduction to Computer Architecture	12	2	Elective
IS 136	Programming in C	12	2	Core
IS 137	Data Structures and Algorithms	12	2	Core
IS 243	Practical Training I	8	2	Core
MT 120	Functions of Single Variable	12	2	Elective
<b>Second Year (Single Major with IS and MT + ST or PH)</b>				
IS 271	Computer Networks	12	1	Core
IS 245	Operating Systems I	12	1	Core
IS 272	Software Development I	12	1	Core
EV200	Environmental Science I	8	1	Core
IS 258	PC Maintenance	8	1	Elective
IS 242	Introduction to Computer Graphics	8	1	Elective
IS 292	Object Oriented Programming	12	2	Core
IS 263	Database Concepts	12	2	Core
IS 343	Practical Training II	8	2	Core
IS 281	Network Design & Administration	12	2	Elective
IS 253	Introduction to GIS	8	2	Elective
IS 254	Operating System II	8	2	Elective
IS 282	Software Development II	12	2	Elective
<b>Third Year (Single Major with IS and MT + ST or PH)</b>				
IS 333	System Analysis and Design	12	1	Core
IS 335	Final Year Project I	8	1	Core
IS 381	Distributed Systems	8	1	Elective
IS 334	Organization and Management of Information Systems	8	1	Elective
IS 342	Management & Control of Software Project	12	1	Elective
IS 363	Introduction to Artificial Intelligence	8	1	Elective
IS 353	Implementation of Databases	12	2	Core
IS 383	Internet Application & Programming	8	2	Core
IS 335	Final Year Project II	8	2	Core
IS 364	IT Security	8	2	Elective
IS 373	Introduction to Computer Simulation and Modelling	8	2	Elective

### **Bachelor of Science in Computer Engineering and Information Technology**

<b>Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Semester</b>	<b>Status</b>
<b>First Year</b>				

CL 111	Communication Skills for Engineers	8	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-Major	12	1	Core
TE 172	Workshop Training	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-Major	12	2	Core
ES 171	Computer Aided Drafting and Design	8	2	Core
ES 110	Analogue Electronics I	8	2	Core
CS 175	Programming in Java	12	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
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
CS 252	Computer Organization and Architecture II	12	2	Core
IS 171	Introduction to Computer Networks	8	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

### Third Year

CS 353	Micro Computer Systems I	12	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 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	2	Elective

#### Fourth Year

SC 430	General Engineering Procedures and Ethics	12	1	Core
IE 445	Entrepreneurship for Engineers	12	1	Core
CS 421	Modern Control Systems Engineering	8	1	Core
CS 441	Wide Area Networking	8	1	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	2	Core
CS 498	Final Year Project I	8	2	Core
CS 499	Final Year Project II	16	2	Core

<i>Elective (minimum)12 credits for semester 1, and8 for semester 2</i>				
IE 443	Industrial Safety and Maintenance	8	1	Elective
IG 441	Human Resources Management	8	1	Elective
TE 414	Mobile Communication	8	1	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

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
CS 174	Programming in C	12	1	Core
DS 112	Development Perspectives I	12	1	Core
ST113	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
ST114	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
ST 119	Operations Research I	12	1	Core
CS 234	Object-Oriented Programming in Java	12	2	Core
IS 238	Mobile Application Development	12	2	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
	<i>Elective (minimum) 20 credits for semester 1 &amp; 8 for semester 2</i>			
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	2	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	1	Core
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 for semester 2*

CS 336	Trends and Social-Cultural Implications of Information Technology	8	1	Elective
IS 371	Systems Administration and Programming in Linux	8	1	Elective
IS 387	Environmental Management Information Systems	8	1	Elective
FN 302	Security Analysis and Portfolio Management	12	1	Elective
GM 300	Strategic Management	12	1	Elective
ST 318	Sampling Theory and Methodology	12	1	Elective
IS 337	Mobile Computing	8	2	Elective
IS 365	Artificial Intelligence	8	2	Elective
ST316	Statistical Quality Control	12	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 fifteen teaching weeks, as per University regulations. Since the Diploma programme is being proposed to run both as regular and evening programme, the following analysis will give the number of semester/weeks, which the evening program is supposed to cover.

Under semester system, there are fifteen teaching weeks, two weeks for examinations, and three weeks for holidays in the first semester.

#### Full-Time Diploma Students

On average, total number of lecture hours required for 12 courses is 16 per week. The practical hours required for seven courses which have practicals are 21 hours (3 hours per week per course) per week. On the average, a full time student requires  $(16 + 21) / 5 = 7.4$  hours/day.



**Part-Time Diploma Students Start time: 4:00 pm to 8: 00 pm Total time: 4hrs/day**

Week days (4x5): 20 hours

Saturdays: 8:00 am 1:00 pm = 5 hours Total time per week: 25 hours/week

Full time students require 37 hours/week; this implies that, part-time students require extra 12hours per week to accomplish the programme. For 30 weeks they will require  $12 \times 30 = 360$  hours.

Number of weeks required:  $360/25 = 14.4$  weeks.

Thus, for the part-time students, they will require five semesters to accomplish the Diploma Programme.

**Entry Qualifications and Regulations**

Certificate of Secondary Education Examination (CSEE) or East African Certificate of Education (EACA)-'O' level with at least D passes in three approved subjects including Mathematics is required.

AND

One of the following combinations of passes in the Advanced Level Secondary Education Examination or the East African Certificate of Education ('A' level) or Equivalent:

- (i) One Principal level pass in, Computer Science, Mathematics, Physics, Chemistry, Economics, Commerce, Geography, Accountancy, Biology and a subsidiary pass in any of these subjects
- (ii) One Principal level pass grade 'C' and above in any of the subjects listed in (i) above
- (iii) A Form VI certificate with at least three subsidiaries in the subjects listed in (i) above
- (iv) A Form VI certificate with at least two subsidiaries in the subjects listed in (i) above plus at least two years industrial experience
- (v) A Certificate in Computer Science (or IT) with an average GPA of at least 3.0 (Dar)
- (vi) An ordinary National Certificate or Diploma at a good standing or a qualification of an equivalent standard awarded by recognized bodies e.g. the National Board of Accountants and Auditors (NBAA), Business Education Council (BEC), NACTE, etc. or Certificate in computer science recognized by NACTE, and NECTA.

**Assessment**

Each course will be assessed by written examination of two hours duration. A candidate who fails in a subject can resit 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 80credits over two semesters. In order to graduate, a student must complete at least 200 credits.

The list below consists of courses in the Diploma in Computer Science Programme:

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
IS 076	Introduction to Computer Programming in C	12	1	Core
IS 075	Computer hardware and system maintenance	12	1	Core
IS 052	Office Automation	12	1	Core
IS 091	Computing Mathematics I	12	2	Core
IS 063	Professional Issues in Information Systems Practice	8	1	Core
IS 080	Communication skills II	8	1	Core
IS 067	Fundamentals of Computerized Accounting	12	2	Core
IS 060	Introduction to Data Structures and Algorithms	8	2	Core
IS 050	Web Technologies and Applications	12	2	Core
IS 070	Introduction to Information systems analysis and design	12	2	Core
IS 064	Introduction to Computer Architecture	8	1	Core
IS 078	Fundamentals of Computer Networks	8	2	Core
<b>Total Credits</b>		<b>124</b>		

### Second Year

IS 055	Design and implementation of Object Oriented Applications	12	1	Core
IS 057	Introduction to Database Systems	12	1	Core
IS 081	Introduction to Computer Networks Design and Administration	12	1	Core
IS 073	Introduction to System Security	12	2	Core
IS 092	Computing Mathematics II	12	1	Core
IS 079	Business Systems	8	2	Core
IS 068	Introduction to Project Management	8	1	Core

IS 074	Introduction to Mobile computing	12	2	Core
IS 056	Operating Systems and their configurations	12	2	Core
IS 098	Final Year Informatics Project	16	2	Core
<b>Total</b>		<b>116</b>		

## **Certificate in Computer Science**

### **Entrance Qualifications**

A candidate, before being admitted to the course, will be required to have obtained the School 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 of Secondary Education Examination (C.S.E.E) or East African Certificate of Education (E.A.C.A) – O-level with at least a pass in four approved subjects AND Certificate ordiploma from a recognized institution or ICT industrial experience of not less than 2 years thatdemonstrate the candidate’s ability to undertake the programs.

### **Assessment**

Each course will be assessed by written examination of three hours duration. A candidate whofails in a subject can re-sits 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 Classifications**

A candidate’s final standing in Certificate in Computer Science shall be determined by the Aggregate Gross Point Average (GPA) for all two semesters of study. The final Certificate classification shall be either pass or fail as follows:

<b>Diploma Class</b>	<b>GPA</b>
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 intwo (2) semesters each of 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
<b>First Year</b>				
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
<b>Total</b>		<b>120</b>		

## DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

### Bachelor of Science in Electronics Sciences and Communications

<b>Common Core Courses for all Students</b>				
Code	Course Title	Credit	Semester	Status
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
<b>Common Elective Courses for all Science Students</b>				
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 Scientist	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
<b>Second Year</b>				
ES 211	Analogue Electronics II	8	1	Core
ES 212	Analogue Electronics Practicals	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
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
<b>Third Year</b>				
ES 310	Electronics Instrumentation I	8	1	Core
ES 334	Signal Processing I	8	1	Core
ES 318	Electronics Control	12	1	Core
ES 399	Projects in Electronics I	8	1	Core

ES 399	Projects in Electronics II	8	2	Core
<b>Electronics stream</b>				
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
<b>Communication Stream</b>				
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
IS364	IT Security	8	2	Elective
IS383	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 Major	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 Major	12	2	Core
TE 101	Introduction to Telecommunication	8	2	Core
TE 172	Workshop Training	8	2	Core

**Second Year**

ES 213	Electronics 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
TE 371	Introduction to Research Methods	8	2	Core
ES 324	System Design and Implementation	8	2	Core
<i>Elective Courses (Minimum 24.0 Credits)</i>				
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
TE 498	Final Project I	8	1	Core
TM400	Engineering Ethics and Professional Conduct	4	2	Core
TM 330	General Engineering Procedures	8	2	Core
MG445	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 II	16	2	Core
<i>Elective Courses (Minimum 28.0 Credits)</i>				
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
MG440	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 Major	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 Major	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	Interfacing Techniques	8	1	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
ES 326	Microelectronics I	8	2	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 318	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 III	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
<i>Embedded Electronics Track</i>				
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
<i>Electronics Science Track</i>				
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
<i>Electives (both Electronics Science and Embedded Electronics Tracks)</i>				
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
CS 441	High Speed Network Technologies	8	2	Elective
TE 412	Mobile Communication	8	2	Elective
ES 418	Nuclear Electronics	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 Perspective I	12	1	Core
AC 100	Principles of Accounting I	8	1	Core
FN 100	Principles of Microeconomic Analysis	12	1	Core
ST 113	Basic Statistics	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 Perspective II	8	2	Core

### Second Year

CS 243	Computer Network Design and Administration	12	1	Elective
IS 237	Data Abstraction and Algorithms	12	1	Core
IS 247	Game Theory and Applications	8	1	Elective
IS 264	Principles of Database Systems	12	1	Core
IS 274	Object Oriented Analysis and Design	8	1	Core
FN 200	Principles of Finance	12	1	Elective
ST 119	Operations Research I	12	1	Core
CS 234	Object Oriented Programming in Java	12	2	Core
IS 236	Structured Systems Analysis and Design	8	2	Elective
IS 238	Mobile Application Development	8	2	Core
IS 265	Introduction to GIS	8	2	Elective
IS 283	Web Services and Technologies	12	2	Elective
IS 284	Business Process Management	8	2	Core
FN 202	Financial Management	12	2	Elective
GM 200	Business Law and Ethics	12	2	Core
IS 285	Programming in R	12	2	Core

### Third Year

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
IS 369	IT Audit and Controls	8	1	Core
IS 371	Systems Administration and Programming in Linux	8	1	Elective
IS 387	Environmental Management Information Systems	8	1	Elective
FN 302	Security Analysis and Portfolio Management	12	1	Elective
GM 300	Strategic Management	12	1	Elective
MK 301	Entrepreneurship	12	1	Core

ST 318	Sampling Theory and Methodology	12	1	Elective
IS 336	Principles of Systems Security	8	2	Core
IS 337	Mobile Computing	8	2	Elective
IS 365	Artificial Intelligence	8	2	Elective
IS 384	Software Project Management	8	2	Core
IS 385	Business Intelligence	12	2	Core
IS 386	Enterprise Systems	12	2	Core
IS 335	Final Year Project	16	2	Core
ST 316	Statistical Quality Control	12	2	Elective

## **CoICT STAFF LIST**

### **OFFICE OF THE PRINCIPAL**

*Senior Lecturer and College Principal*

M. M. Kissaka, BSc (Dar), PhD (Manchester)

*Lecturer and Deputy Principal*

E. A. Kalinga, BEng (Mysore-India), MSc, PhD (Dar)

*Procurement/Supplies Officers*

B. T. M. Mbughi, FTC (DIT), ADMA (IDM), CPSP (T)

*Administrative Staff*

A. Kessy, *Senior Administrative Officer*

D. Mariki, *Office Management Secretary II*

G.R. Mbalase, *Laboratory Scientist and College Maintenance Coordinator*

A. Msangi, *Accountant*

V. Kaduma, *Accountant*

C.M. Msocha, *Secretary III*

T.M. Philip, *Driver*

### **Department of Computer Science and Engineering**

*Senior Lecturer and Head*

H. C. Kimaro, BSc (Dar), MSc (Delft), PhD (Oslo)

*Professor*

N. H. Mvungi, BSc (Dar), MSc (Salford), PhD (Leeds) R Eng (T), AMSTS

*Senior Lecturers*

B. B. R. Bagile, BSc (Dar), MSc, PhD (Bradford)

H. C. Kimaro, BSc (Dar), MSc (Delft), PhD (Oslo)

J. Mtebe, BSc (Dar), MSc (Queensland), PhD (Tampere)

*Lecturers*

M. Mbise, BEng (Hons), PhD (Essex)

G. N. Justo, BSc (Dar), MSc (Zimbabwe), PhD (London)

J. Lungo, BSc (Dar), Msc, PhD (Oslo)  
K. Kapis, MEngSc. (Curtin) MSc (Odessa), PhD (OUT)  
E. A. Kalinga, BEng (Mysore-India), MSc, PhD (Dar)  
F. Simba BSc, MSc, PhD (Dar)  
N.Y. Hamisi, BEng (Mysore-India), MSc (Dar), PhD Dar)  
A. F. Ally, BSc, MSc (Dar), PhD. (Shanghai)  
H. Maziku, BSc (Dar), MSc, PhD (Tennessee)

*Assistant Lecturers*

\*M. Mahundi, BSc, MSc (Dar)  
\*K. Frank, BSc, MSc (Dar)  
\*J. Mbelwa, BSc, MSc (Dar)  
\*W. Senyoni, BSc, MSc (Dar)  
\*M. Mndeme, BSc, MSc (Dar)  
\*Y. Andengelile, BSc, MSc (Dar)  
\*D. Rwegasira, BSc (Dar), MSc (Joensuu)  
\*A. Kondoro, BSc (Dar), MSc (Stockholm)  
\*L. Peter, BSc (Dar), MSc (India)  
\*R. Kateule, BSc (Dar), MSc (India)  
H. Kalisti, BSc (Dar), MSc (Gothernburg)  
\*D. Mnyanghwalo, BSc, MSc (Dar)  
\*B. Mbwilo, BSc, MSc (Dar)  
A. Kigombola, BSc (Dar), MSc (Dar)  
H. Mwasita, BSc, MSc (Dar)  
Z. Kaijage, BSc, MSc (Dar)  
M. Tunga, BSc, MSc (Dar)  
B. Mussa, BSc (Dar), MSc (Arusha)  
H. Omary, BSc, MSc (Dar)  
H. S. Lema, BSc, MSc (Dar)  
F. Kawasa, BSc (Dar), MSc (Beijing)  
M. Sogorya, BSc (Dar), MSc (Beijing)  
A. M. Rashid, MSc (Wroclaw), Licenciate CEngS (Linköping)  
\*C. Joseph, BSc (Dar), MSc (Wuhan)  
\*J. Chambua, BSc, MSc (Dar)  
\*W. Nyamwihula, BSc, MSc (Dar)  
\*J. Damas, BSc, MSc (Dar)  
\*H. Machiwa, BSc (Dar), MSc (London)  
\*S. Maro, BSc (Dar), MSc (Gothernburg)

*Tutorial Assistants*

\*M. Marcelino, BSc (Dar)  
\*L. Mkonyi, Bsc (Dar)  
\*I. Koleleni, BSc (Dar)  
\*E. Damas, BSc (Dar)

*Technical Staff*

S. Lujara, *Principal Lab. Engineer, BEng (Mysore-India), MSc, PhD (Dar)*

S. Hilal, *Senior Systems Administrator BSc (Dar)*

*Administrative Staff*

M. B. Mutazamba, *Office Management Secretary III, Dip SS, MDEA I and II (TPSC)*

**Department of Electronics and Telecommunications Engineering**

*Lecturer and Head*

L. V. Massawe, *BSc (Dar), MSc (Ryukyu), PhD (Free State)*

*Professors*

H. R. Mgombelo, *MSc (Leningrad), PhD (Bradford)*

*Associate Professor*

H. N. Kundaali, *BSc (Dar), DipEE, MSc (Eindhoven), PhD (Dar)*

*Senior Lecturer*

M. M. Kissaka, *BSc (Dar), PhD (Manchester)*

A. N. J. Mwambela, *BSc (Dar), MSc (Durham), PhD (Dar)*

O. F. Hamad, *B.E., M.E. (BIT), PhD (Gwangju)*

*Lecturers*

L. V. Massawe, *BSc (Dar), MSc (Ryukyu), PhD (Free State)*

C. John, *BSc (Dar), MSc (Oita), PhD (Essex)*

K. S. Ibwe, *BSc (Dar), MSc (Gothernburg), PhD (Dar)*

H. U. Iddi, *BSc, MSc (Dar), PhD (Johor)*

S. Naiman, *BSc, MSc, PhD (Dar)*

B. M. Maiseli, *BSc (ES), MSc (Dar), PhD (China)*

J. P. Nombo, *BSc, MSc (Dar) PhD (Arusha)*

A. T. Abdalla, *BSc, MSc (Dar) PhD*

P. Mafole, *BSc (Dar), MSc (Trondheim) PhD (Kyushu)*

*Assistant Lecturers*

I. Mosses, *BSc, MSc (Dar)*

A. Misso, *BSc, MSc (Dar)*

H. Msuya, *BSc, MSc (Dar)*

M.J. Stephen, *BSc, MSc (Dar)*

E. Shayo, *BSc, MSc (Dar)*

G. Chugulu, *BSc, MSc (Dar)*

H. Mbembati, *BSc, MSc (Dar)*

S. Kawambwa, *BSc, MSc (Dar)*

N. Ally, *BSc MSc (Dar)*

\*G. G. Mruma, *BSc, MSc (Dar)*

\*I. Bulugu, *BSc (Dar), MSc (China)*

\*A. Chilwan, *BSc (Dar), MSc (Trondheim)*

\* K. Mkocho, *BSc, MSc (Dar)*

- \* C. Mwase, BSc (Bath), MSc (Bristol)
- \* M. K. Mohohamed, BSc (Dar), MSc (Trondheim)

*Tutorial Assistants*

- F. Mkemwa, BSc (Dar)
- R. Mwang'amba, BSc (Dar)
- J. Mng'ong'o, BSc (Dar)

*Principal Laboratory Scientist II*

- A. Aloyse, AdvDip(DIT)

Senior Laboratory Engineer I

- C. K. Raphael, AdvDip (DIT), PGEM (Dar), MEM(Dar)
- T. Sapula, AdvDip (DIT), MSc (Dar)

*Administrative Staff*

- H. Hyera, CertSS (TPSC), *Office Management Secretary III*
- A. Hussein, Office Attendant I

**Centre for Virtual Learning**

*Senior Lecturer and Director*

- J. S. Mtebe, BSc Comp. Sc (Dar), MSc (Queensland), PhD(Tampere)

*Senior Lecturer*

- J. S. Mtebe, BSc Comp. Sc (Dar), MSc (Queensland), PhD (Tampere)

*Assistant Lecturers*

- K. Frank, BSc (Dar), MSc (Dar)

*Technical Staff*

- O. D. Mashauri, BSc (Melbourne)
- S. M. Mgaiwa BSc MSc (Kiev), MEd-ID (Curtin)
- A. A. Kiluwasha, BSc (Dar), MSc (Kuala Lumpur)
- H. Haule, BSc (Dar)
- B. Saganda, Dipl Arts (Gagamoyo), BA (Dar), PGD-SC (Dar), MA(Dar)
- G. Nkwera, Adv. Journalism (Mwanza), Post. Diploma (Dar), MA (Eastern Cape)
- M. F. Makungu, FTC Elec. Eng. (DIT), Adv. Dipl. Eng. (DIT), PGD EIT (Dar)
- Z. Musabalala, FTC Elect & Telecom Eng., B. Eng. Elect & Telecom. (DIT), MEM(Dar)

*Administrative Staff*

- M. Mhando, *Secretary II*
- I. Mawenya, *Driver*

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\*On Study Leave

\*\*On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment



## **INTRODUCTION**

The College of Natural and Applied Sciences (CoNAS) comprises of the Departments of Botany, Chemistry, Geology, 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 Molecular Biology and Biotechnology (BScMolBioBTech)
- (v) Bachelor of Science in Applied Zoology (BScAppZoo)
- (vi) Bachelor of Science in Wildlife Science and Conservation (BScWSc)
- (vii) Bachelor of Science in Botanical Science (BScBotSc)
- (viii) Bachelor of Science in Microbiology (BScMicr)
- (ix) Bachelor of Science in Actuarial Sciences (BScActSc)
- (x) Bachelor of Science in Meteorology (BScMet)
- (xi) Bachelor of Science in Mathematics and Statistics (BScMatSt)
- (xii) Bachelor of Science in Chemistry and Physics (BScChemPhys)
- (xiii) Bachelor of Science in Applied Microbiology and Chemistry (BScAppMicChem)

The College also offers the following four-year undergraduate programmes leading to degrees:

- (i) Bachelor of Science in Geology (BScGeo)
- (ii) Bachelor of Science in Engineering Geology (BScGeo)
- (iii) Bachelor of Science with Geology (BSc-Geo)
- (iv) Bachelor of Science in Petroleum Geology (BScPGeo)
- (v) Bachelor of Science in Geophysics (BscGeophys)
- (vi) Bachelor of Science in Geology and Geothermal Energy (BScGeoGeothEn)

## **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 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 360 credits must be passed for the award of a 3-year degree (BScBotSc, BScMolBioBTech, BScChem, BScWSc, BScAppZoo, BScPetChem, BScMet, BScChemPhys and BScAppMicChem, 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 the award of a 4-year degree (BScPGeo, BScGeo, BScGeo, BSc-Geo, BScGeoPhys and BScGeoGeothEn), 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, BScGeo, BScGeo, BScPGeo, BScMolBioBTech, BScWSc, BScMet, 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 Geology, 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), Communication skills (100 series) and Environmental Science (200 series).
- 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 and BSc with Geology:
- 11.1 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
  - Mathematics and Chemistry
  - Physics and Chemistry
  - Physics and Mathematics
  - Mathematics and Geography
  - Mathematics and Economics
- 11.2 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.

- 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 360 credits for the BSc (Geol.) and BSc (Eng Geol.) degrees and 240 credits for the other 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 more than 360 credits in a three-year programme, or 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. 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 or 480 provided that regulations Nos. 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 the College of Science, 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 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. For students taking BScEd the two major subjects will be Science and Education i.e. the science major subject will comprise prescribed courses from two teaching disciplines/subjects. A student taking a Science subject as a double major must score an overall GPA of at least 1.8 in all core courses in that subject to qualify for supplementary examinations.

19.2 Any student who has failed a core course and does not qualify for a supplementary examination shall be discontinued.

19.3 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.

20 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. 19.1, 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).

21 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 a course is failed, the entire course must be repeated.

22 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.

23 A grade scored in the supplementary 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 supplementary examination in a core course in which he/she has enrolled twice shall be discontinued.
- 24.2 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.
- 25 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.
- 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 supplementary 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 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.
- 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 supplementary 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, BScGeo, BScGeo, BScPGeo, BScMolBioBTech, BScChem, BScWSc, BScMicr, BScPChem, BScMet, BScActSc BScMathStat 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:

Employers Assessment	10%
Logbook	20%
Final Report	60%
Presentation	10%

#### **2.1 Assessment by the Employer**

The Employer using an assessment forms 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:

- (i) Clear description of activities 10%
- (ii) 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%

- 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.
- 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.
- 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.

### Course Mapping

#### DEPARTMENT OF BOTANY

#### Bachelor of Science in Education

Code	Course Title	Credit	Semester	Status
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
DS 211	Entrepreneurship, Small Business and Development	8	1	Elective
SC 215	Scientific Methods	8	1	Elective
EV 300	Environmental Science II	8	2	Elective
<b>First Year</b>				
BL 111	Introductory Cell Biology and Genetics	12	1	Core
ZL 121	Invertebrate Zoology	8	1	Core
ZL 122	Chordate Zoology	8	2	Core
CH 113	Chemistry for Life Sciences Students	12	2	Core
<b>Second Year</b>				
BT I30	Evolutionary Botany	12	1	Core
ZL 210	Vertebrate Anatomy and Physiology I	8	1	Core
ZL 220	Vertebrate Anatomy and Physiology II	12	2	Core
BL 113	Ecology I	8	2	Core
BT 113	Introduction to Plant Physiology	8	2	Core
ZL 124	Developmental Biology	8	2	Elective
BT 218	Metabolic Physiology and Plant Growth	8	2	Elective
BT 225	Taxonomy of Higher Plants	12	1	Core

Code	Course Title	Credit	Semester	Status
<b>Third Year</b>				
ZL 236	Introductory Entomology and Parasitology	12	1	Core
ZL 302	Evolution	8	2	Core
BT 327	Anatomy of Angiosperm	8	2	Core
BL 215	Ecology II	12	1	Elective
BT 211	Fundamentals of Soil Science	8	1	Elective
BL 331	Cell Biology and Molecular Genetics	12	1	Elective

### Bachelor of Science in Botanical Sciences

Code	Course Title	Credit	Semester	Status
<b>Common Courses</b>				
DS112	Perspectives of Development	12	1	Core
DS 113	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
SC 215	Scientific Methods	8	1	Core
<b>First Year</b>				
BT 130	Evolutionary Botany	12	1	Core
BL 111	Introduction to Cell Biology and Genetics	12	1	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
MC 100	Fundamentals of Microbiology	12	1	Core
ZL 121	Invertebrate Zoology	8	1	Elective
AC 102	Fundamentals of Accounting for Non Business Majors	12	1	Elective
CH 113	Chemistry for Life Sciences Students	12	2	Core
BT 112	Principles of Plant Population Genetics	12	2	Core
BT 113	Introduction to Plant Physiology	8	2	Core
BL 113	Ecology I	8	2	Core
WS 101	Ecology and Utilisation of Natural Resources	8	2	Core
IS 131	Introduction to Informatics and Microcomputers	8	2	Core
BN 131	Biochemistry I	12	2	Core
CL 107	Communication Skills for Science	12	2	Elective
ZL 122	Chordate Zoology	8	2	Elective
<b>Second Year</b>				
BT 211	Fundamentals of Soil Science	8	1	Core
BT 224	Introduction to Plant Molecular Biology	12	1	Core
BT 225	Taxonomy of Higher Plants	12	1	Core
BL 215	Ecology II	12	1	Core
BT 223	Biometry for Plant Science	12	2	Core
BT 221	Management and Conservation of Soils	12	2	Core
BT 218	Metabolic Physiology and Plant Growth	8	2	Elective
BT 215	Introduction to mycology	8	2	Elective



Code	Course Title	Credit	Semester	Status
BT 217	Plant Genetics and Evolution	8	2	Elective
BL 210	Immunology for Life Scientists	12	2	Elective
BL 214	Biostatistics I	12	2	Elective
ZL 236	Introductory Entomology and Parasitology	12	2	Elective
<b>Third Year</b>				
BT 319	Practical Training	8	2	Core
BT 329	Plant Ecology and Phytogeography	12	1	Core
BT 349	Management and Monitoring of Fragile Ecosystems	12	1	Core
BL 390	Research Project	12	1	Core
BT 323	Algal Systematics and Ecology	12	2	Core
BT 327	Anatomy of Angiosperms	8	2	Core
BT 356	Plant Diversity and Conservation	12	2	Core
BT 352	Horticulture	8	1	Elective
BL 313	Biological Impact Assessment	8	1	Elective
GE 352	Natural Resource Management	12	1	Elective
BT 321	Applied Plant Physiology	8	1	Elective
BT 335	Plant Breeding and Genetic Manipulation	8	2	Elective
BT 341	Economic Botany	12	2	Elective
BT 350	Plant Systematics	12	2	Elective
BT 351	Watershed Management	12	2	Elective
BN 303	Agricultural Biotechnology	8	2	Elective
BT 333	Plant Pathology	8	2	Elective
BT 337	Plant Tissue Culture	8	2	Elective

## DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

### Bachelor of Science in Molecular Biology and Biotechnology

<b>Common Courses</b>				
DS112	Development Perspectives I	12	1	Core
DS113	Development Perspectives II	12	2	Core
EV200	Environmental Science I	8	1	Core
SC215	Scientific Methods	8	1	Core
<b>First Year</b>				
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
MC 100	Fundamentals of Microbiology	12	1	Core
MC 130	Methods and Safety in	12	1	Core
MC 131	Microbiology	12	1	Core
BL 111	Eukaryotic Microorganisms Introductory Cell Biology and Genetics	12	1	Core
MT111	Mathematics for Biological and Chemical Sciences	8	1	Core

BN 130	Molecular Biology	12	2	Core
BN 131	Biochemistry I	12	2	Core
BN 112	Immunology	12	2	Core
MC 132	Practicals in Eukaryotic Microorganisms	8	2	Core
PH 103	Applied Physics in Biology	12	2	Core
CH117	Organic Chemistry I	12	2	Elective
<b>Second Year</b>				
BN 230	Methods in Molecular Biology I	12	1	Core
BN 231	Bioinformatics I	12	1	Core
BN 235	Practicals in Molecular	8	1	Core
BN 238	Biology I	12	1	Core
BN 234	Biochemistry II	12	2	Core
BN 237	Molecular Virology	12	2	Core
BL 234	Immunology II	12	2	Core
BN 236	Biostatistics I	8	2	Core
BN 240	Practicals in Molecular	8	2	Core
MC234	Biology II Practical in Biochemistry Medical Bacteriology	12	1	Elective
MC 232	Food Microbiology and Processing	12	1	Elective
BN 232	Food Biotechnology	12	1	Elective
MC 236	Medical Mycology	12	2	Elective
MC 238	Practicals in Microbiology II	8	2	Elective
MC 233	Environmental Microbiology	12	2	Elective
BN 233	Forensic DNA Typing	12	2	Elective
BN 239	Molecular Developmental Biology	12	2	Elective
BT 218	Metabolic physiology and plant growth	12	2	Elective
BT 217	Plant Genetics and Evolution	8	2	Elective
<b>Third Year</b>				
BN 335	Bioinformatics II	12	1	Core
BL 390	Research Project	12	1	Core
BN 342	Methods in Molecular	12	1	Core
BN 340	Biology II	8	1	Core
BN 330	Practical Training	12	1	Core
BL 314	Environmental	8	2	Core
BN 338	Biosafety, Biopolicy and Bioethics	12	2	Core
BN 341	Immunology III	12	2	Core
BN 332	Industrial Biotechnology	12	2	Core
BN 336	Practicals in Biotechnology	8	2	Core
BN 331	Agricultural Biotechnology	12	2	Elective
BN 337	Practicals in Microbial Technology	8	1	Elective
BN 339	Biochemistry III	12	1	Elective
MC 330	Entrepreneurship Microorganisms	12	1	Elective
MC332	Agricultural	12	1	Elective
ZL 336	Microbiology	12	1	Elective

BN 333	Entomology Down Stream Processing	12	1	Elective
BN 334	Molecular Cell Biology	12	2	Elective
BN 343	Pharmaceutical Biotechnology	12	2	Elective
MC 333	Applied Mycology	12	2	Elective
MC 334	Medical Virology	12	2	Elective
BT 333	Plant Pathology	12	2	Elective
BT 337	Plant Tissue Culture	12	2	Elective
ZL 302	Evolution	12	2	Elective
ZL 338	Parasitology	12	2	Elective

### Bachelor of Science in Microbiology

Code	Course Title	Credit	Semester	Status
<b>Common Courses</b>				
DS112	Development Perspectives I	12	1	Core
DS113	Development Perspectives II	12	2	Core
SC215	Scientific Methods	8	1	Core
EV200	Environmental Science I	8	1	Core
<b>First Year</b>				
MC 130	Basic Methods and Safety in Microbiology	12	1	Core
BL 111	Introduction to Cell Biology and Genetics	12	1	Core
MC 100	Fundamentals of Microbiology	12	1	Core
MC 131	Eukaryotic Microorganisms	12	1	Core
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
MT 111	Mathematics for Biological & Chemical Sciences	8	1	Core
BN130	Molecular Biology	12	2	Core
BN 112	Immunology I	12	2	Core
MC 132	Practicals in Eukaryotic Microorganisms	8	2	Core
CH 117	Organic Chemistry I	12	2	Core
PH 103	PH 103 Applied Physics in Biology	12	2	Elective
ZL 121	Invertebrate Zoology	8	2	Elective
BL 113	113 Ecology I	8	2	Elective
<b>Second Year</b>				
MC 231	Microbial Nutrition and Metabolism	12	1	Core
MC232	Food Microbiology and Processing	12	1	Core
BN 231	Bioinformatics I	12	1	Core
MC 230	Microbial taxonomy	12	2	Core
MC 235	Microbial Ecology	12	2	Core
BL 234	Biostatistics I	12	2	Core
MC 233	Environmental Microbiology	12	2	Core
MC 237	Practicals in Microbiology I	8	2	Core
MC 234	Medical Bacteriology	12	1	Elective
BN 232	Food Biotechnology	12	1	Elective
BN 235	Practicals in Molecular Biology I	8	1	Elective
MC 238	Practicals in Microbiology II	8	2	Elective

Code	Course Title	Credit	Semester	Status
ZL 236	Introductory Entomology and Parasitology	12	2	Elective
MC 236	Medical Mycology	12	2	Elective
BN 237	Immunology II	12	2	Elective
<b>Third Year</b>				
BL 390	Research Projects	12	1	Core
MC 330	Entrepreneurship Microorganisms	12	1	Core
MC 331	Microbial Biotechnology	12	1	Core
MC 332	Agricultural Microbiology	12	1	Core
MC 340	Practical Training	8	1	Core
BL 314	Biostatistics II	8	2	Core
MC 333	Applied Mycology	12	2	Core
BN 338	Biosafety, Biopolicy and Bioethics	12	2	Core
BN 331	Agricultural Biotechnology	12	1	Elective
BN 330	Environmental Biotechnology	12	1	Elective
BN 337	Practicals in Microbial Technology	8	1	Elective
BT 337	Plant Tissue Culture	8	1	Elective
ZL 336	Entomology	12	1	Elective
MC 335	Practicals in Microbiology III	8	2	Elective
MC 334	Medical Virology	12	2	Elective
BN 341	Immunology III	12	2	Elective
BN 333	Downstream processing	12	2	Elective
ZL 338	Parasitology	12	2	Elective
EV 300	Environmental Science II	8	2	Elective
BT 333	Plant Pathology	8	2	Elective

## B. Sc Applied Microbiology and Chemistry Common Courses

DS112	Development Perspectives I	12	1	Core
DS113	Development Perspectives II	12	2	Core
EV200	Environmental Science I	8	1	Core
SC215	Scientific Methods	8	1	Core

## First Year

CH 118	Basic Analytical and Physical Chemistry	12	1	Core
MC100	Fundamentals of Microbiology	12	1	Core
MC130	Methods and Safety in Microbiology	12	1	Core
CH 121	Chemistry Practicals I	8	1	Core
CH 172	Chemical Separation	12	1	Core
MT111	Mathematics for Biological and Chemical Sciences	8	2	Core
CH 117	Organic Chemistry I	12	2	Core
CH 173	Introduction to Electronic Structure and Spectroscopy	12	2	Core
BN 111	Introduction to Molecular Biology	12	2	Core

IS 131	Introduction to Informatics and Microcomputers	8	1	Elective
ZL 121	Invertebrate Zoology	8	1	Elective
MC131	Eukaryotic Microorganisms	12	1	Elective
PH 103	Applied Physics in Biology	12	2	Elective
MC132	Practicals in Eukaryotic Microorganisms	8	2	Elective

### Second Year

CH 243	Organic Chemistry II	12	1	Core
MC231	Microbial Nutrition and Metabolism	12	1	Core
MC 232	Food Microbiology and Processing	12	1	Core
CH 299*	Practical Training	8	1	Core
CH 241	Chemistry Practical III	8	2	Core
CH 219	Systematic Inorganic Chemistry	12		Core
MC 230	Microbial Taxonomy	12	2	Core
MC 237	Practicals in Microbiology I	8	2	Core
BL 210	Immunology for Life Science	12	2	Core
CH 290	Chemical Kinetics and Electrochemistry	12	2	Core
CH 262	Analytical and Environmental Chemistry	12	1	Elective
BN 232	Food Biotechnology	12	1	Elective
BN 235	Practical in Molecular Biology I	8	1	Elective
MC234	Medical Bacteriology	12	1	Elective
BL 234	Biostatistics I	8	1	Elective
MC235	Microbial Ecology	12	1	Elective
CH 280	Organic Structure, Reactions and Mechanisms	12	2	Elective
DS 211	Entrepreneurship, Small Business and Development	8	2	Elective
MC238	Practicals in Microbiology II	8	2	Elective
MC 236	Medical Mycology	12	2	Elective
ZL 236	Introductory Entomology and Parasitology	12	2	Elective
MC 233	Environmental Microbiology	12	2	Elective

### Third Year

CH 248	Instrumental Methods in Analytical Chemistry	8	1	Core
CH 201	Chemical Thermodynamics	12	1	Core
CH 323	Organic Spectroscopy	8	1	Core
CH 341	Chemistry Practical VI	8	1	Core
CH 314**	Project work	12	1	Core
MC 330	Entrepreneurship Microbiology	12	1	Core
MC 340*:	Practical Training	8	1	Core
BL 390**:	Research Project	12	1	Core
CH 364	Coordination Chemistry	8	2	Core
MC 333	Applied Mycology	12	2	Core
BN 338	Biosafety, Bio-policy and Bioethics	12	2	Core
CH 353	Biochemistry	8	2	Core
MC 331	Microbial Biotechnology	12	1	Elective
MC 332	Agriculture Microbiology	12	1	Elective
BT 337	Plant Tissue Culture	8	1	Elective
ZI 336	Entomology	12	1	Elective

CH 303	Organic Synthesis	12	1	Elective
CH 308	Polymer Chemistry	8	1	Elective
CH 363	Chemical Waste Management	8	1	Elective
CH 318	Medicinal Chemistry	8	1	Elective
CH 377	Industrial Chemistry	12	1	Elective
CH 305	Chemistry of Natural Products	8	2	Elective
CH 335	Chemistry of Biofuels	12	2	Elective
CH 351	Forensic Chemistry	8	2	Elective
CH 374	Bio-Inorganic Chemistry	8	2	Elective
CH 379	Organometallic Chemistry	12	2	Elective
CH 381	Physical Organic Chemistry	8	2	Elective
CH 371	Quality Control and Assurance	8	2	Elective
MC 335	Practicals in Microbiology III	8	2	Elective
MC 334	Medical Virology	12	2	Elective
BN 332	Industrial Biotechnology	12	2	Elective
ZL 338	Parasitology	12	2	Elective
EV 300	Environmental Science II	8	2	Elective

### CHEMISTRY DEPARTMENT

Code	Course Title	Credit	Semester	Status
<b>Common Courses</b>				
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
IS 131	Introduction to Informatics and Microcomputers	8	1	Core
EV 200	Environmental Science	8	1	Core
SC 215	Scientific Methods	8	1	Elective
DS 211	Entrepreneurship, Small Business and Development	8	2	Elective

#### **Bachelor of Science with Education**

##### **First Year**

CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 121	Chemistry Practical I	8	1	Core
CH 117	Organic Chemistry I	12	2	Core

##### **Second Year**

CH 219	Systematic Inorganic Chemistry	12	2	Core
CH 241	Chemistry Practical III	8	2	Core
CH 243	Organic Chemistry II	12	1	Core
CH 244	Chemistry Practical IV	8	1	Elective
CH 262	Analytical and Environmental Chemistry	12	1	Elective
CH 280	Organic Structure, Reactions and Mechanisms	12	2	Elective

##### **Third Year**

CH 201	Chemical Thermodynamics	12	1	Core
CH 248	Instrumental Methods in Analytical Chemistry	8	1	Core
CH 341	Chemistry Practical VI	8	1	Core

CH 290	Chemical Kinetics and Electrochemistry	12	2	Core
CH 364	Coordination Chemistry	8	2	Core
CH 377	Industrial Chemistry	12	1	Elective
CH 323	Organic Spectroscopy	8	2	Elective

### Bachelor of Science in Chemistry

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
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 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

### 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	8	1	Core
CH 262	Analytical and Environmental Chemistry	12	1	Core
CH 219	Systematic Inorganic Chemistry	12	2	Core
CH 241	Chemistry Practical III	8	2	Core
CH 245	Chemistry Practical V	8	2	Core
CH 280	Organic Structure, Reactions and Mechanisms	12	2	Core
CH 290	Chemical Kinetics and Electrochemistry	12	2	Core
CH 299	Practical Training	8	2	Core
SC 215	Scientific Methods	8	1	Elective
PH 249	Fundamentals of Materials Science	8	2	Elective

### Third Year

CH 314	Project Work	12(6)	1	Core
CH 303	Organic Synthesis	12	1	Core
CH 341	Chemistry Practical VI	8	1	Core
CH 377	Industrial Chemistry	12	1	Core
CH 314	Project Work	12(6)	2	Core
CH 323	Organic Spectroscopy	8	2	Core
CH 364	Coordination Chemistry	8	2	Core
CH 394	Fundamentals of Theoretical Chemistry	12	2	Core
CH 379	Organometallic Chemistry	12	2	Core
CH 399	Practical Training	8	2	Core
CH 315	Surface and Colloidal Chemistry	8	1	Elective
CH 371	Quality Control and Assurance	8	1	Elective
CH 308	Polymer Chemistry	8	1	Elective
CH 353	Biochemistry	8	1	Elective
CH 357	Fuel Chemistry and Technology	8	2	Elective
CH 363	Chemical Waste Management	8	1	Elective

CH 391	Advanced Electrochemistry	8	2	Elective
CH 305	Chemistry of Natural Products	8	2	Elective
CH 351	Forensic Chemistry	8	2	Elective
CH 374	Bio-Inorganic Chemistry	8	2	Elective

### Bachelor of Science in Petroleum Chemistry

Code	Course Title	Credit	Semester	Status
<b>First year</b>				
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
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
GY 100	Introduction to Geology and Geological Processes	12	1	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
IS 131	Introduction to Informatics & Microcomputers	8	2	Elective
GY 120	Earth Materials (Rocks and Minerals)	12	2	Elective
OG 101	Introduction to Petroleum Engineering	12	2	Elective

### Second Year

CH 201	Chemical Thermodynamics	12	1	Core
CH 243	Organic Chemistry II	12	1	Core
CH 251	Formation and Composition of Petroleum	12	1	Core
CH 248	Instrumental Methods in Analytical Chemistry	8	1	Core
CH 254	Petroleum Chemistry Practical I	12	1	Core
CH 262	Analytical and Environmental Chemistry	12	1	Core
CH 252	Chemistry of Coal	12	2	Core
CH 253	Surface Chemistry for Petroleum Industry	12	2	Core
CH 255	Petroleum Chemistry Practical II	12	2	Core
CH 245	Chemistry Practical V	8	2	Elective
CH 280	Organic Structure, Reactions and Mechanisms	12	2	Elective
PH 249	Fundamentals of Materials Science	8	2	Elective

### Third Year

CH 336	Petroleum Refining and Petrochemicals	12	1	Core
CH 337	Petroleum Chemistry practical's III	12	1	Core
CH 338	Corrosion and its Control in the Petroleum Industry	12	1	Core
CH 341	Chemistry practical VI	8	1	Core
OG 310	Industrial Health Safety and Environmental Protection in Petroleum Engineering	12	2	Core



CH 323	Organic Spectroscopy	8	2	Core
CH 339	Petroleum Chemistry Practical IV	12	2	Core
OG 477	Petroleum Refining Techniques	12	2	Core
CH 399	Practical Training	8	2	Core
CH 308	Polymer Chemistry	8	1	Elective
CH 314	Project Work	12	1	Elective
CH 331	Chemometrics	8	1	Elective
CH 334	Fuel Cells	12	1	Elective
CH 363	Chemical Waste Management	8	1	Elective
CH 377	Industrial Chemistry	12	1	Elective
CP 473	Risk Assessment and Management	12	1	Elective
GM 100	Principles and Practice of Management	12	1	Elective
CH 314	Project Work	12	2	Elective
GY 445	Oil and Gas Policy and Environmental Law	12	2	Elective
CH 335	Chemistry of Biofuels	12	2	Elective

### Bachelor of Science in Chemistry and Physics

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
CH 121	Chemistry practical I	8	1	Core
CH 172	Chemical Separatio	12	1	Core
PH 122	Classical Mechanics	8	1	Core
PH 124	Optics	8	1	Core
PH 133	Vibrations and Waves	8	1	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	Analogy Electronics	8	2	Core
IS 131	Introduction to Informatics and Microcomputers	8	1	Elective
CH 174	Scientific Methods in Chemistry	12	2	Elective

### Second Year

EV 200	Environmental Science I	8	1	Core
CH 243	Organic Chemistry II	12	1	Core
CH 248	Instrumental Methods in Analytical Chemistry	8	1	Core
PH 204	Mathematical Methods for Physics	12	1	Core
PH 210	Physics Practical Training I	8	1	Core
PH 224	Digital Electronics	8	1	Core
PH 247	Experimental Methods of Physics II	8	1	Core
CH 219	Systematic Inorganic 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

Code	Course Title	Credit	Semester	Status
PH 220	Statistical Thermodynamics	12	2	Core
PH 229	Computational Physics	8	2	Core
CH 262	Analytical and Environmental Chemistry	12	1	Elective
PH 222	Advanced Mechanics	8	1	Elective
CH 280	Organic Structure, Reactions and Mechanisms	12	2	Elective
PH 249	Fundamentals of Materials Science	12	2	Elective

### Third Year

CH 201	Chemical Thermodynamics	12	1	Core
CH 314 /PH 346	Project Work	12(6)/8	1	Core
CH 323	Organic Spectroscopy	8	1	Core
CH 341	Chemistry Practical VI	8	1	Core
CH 399	Chemistry Practical Training II	8	1	Core
PH 320	Atomic Physics	12	1	Core
CH 364	Coordination Chemistry	8	2	Core
CH 394	Fundamentals of Theoretical Chemistry	12	2	Core
PH 326	Nuclear Physics and Applications	12	2	Core
PH 332	Solid State Physics	8	2	Core
PH 347	Electromagnetism	8	2	Core
PH 359	Astrophysics	8	2	Core
CH 303	Organic Synthesis	12	1	Elective
CH 308	Polymer Chemistry	8	1	Elective
CH 318	Medicinal Chemistry	8	1	Elective
CH 363	Chemical Waste Management	8	1	Elective
CH 371	Quality Control and Assurance	8	1	Elective
PH 317	Fundamentals of Electrodynamics	8	1	Elective
PH 319	Fundamentals of Atmospheric Physics	8	1	Elective
PH 334	Energy and Environment	8	1	Elective
CH 305	Chemistry of Natural Products	8	2	Elective
CH 335	Chemistry of Biofuels	12	2	Elective
CH 351	Forensic Chemistry	8	2	Elective
CH 374	Bio-Inorganic chemistry	8	2	Elective
CH 379	Organometallic Chemistry	12	2	Elective
CH 381	Physical Organic Chemistry	8	2	Elective
PH 364	The Earth-Atmosphere System	8	2	Elective

## DEPARTMENT OF MATHEMATICS

### Bachelor of Science in Education

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
MT 100	Foundations of Analysis	12	1	Core
MT 127	Linear Algebra 1	12	1	Core
MT 136	Ordinary Differential Equation I	8	2	Core
MT 120	Analysis 1: Functions of a Single Variable	12	2	Core

Code	Course Title	Credit	Semester	Status
MT 114*	Computer Programming	12	1	Elective
MT 147	Discrete Mathematics	12	2	Elective

\* Should not be taken by Computer Science students.

### Second Year

MT 200	Analysis 2: Functions of Several Variables	12	1	Core
MT 233	Mathematical Statistics	12	1	Core
MT 278	Linear Programming	12	2	Core
MT 227	Linear Algebra II	8	2	Elective
MT 274	Numerical Analysis I	12	2	Elective

### Third Year

MT 357	Abstract Algebra	12	1	Core
MT 310	Analysis 3: Complex Analysis I	12	2	Core
MT 360	Functional Analysis	12	2	Core
MT 378	Queuing Theory and Inventory Models	12	1	Elective
MT 389	Mathematics Project	8	2	Elective
MT 348	Integer and Non-Linear Programming	12	1	Elective
MT 358	Graphs and Network Optimization	12	2	Elective
MT 374	Numerical Analysis II	8	2	Elective

### Bachelor of Science in Mathematics and Statistics

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
MT 100	Foundations of Analysis	12	1	Core
MT 127	Linear Algebra I	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 I	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

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
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	1	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 PHYSICS

### Bachelor of Science in Education

Code	Course Title	Credit	Semester	Status
<b>Common Courses</b>				
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core

### First Year

PH 127	Vibrations, Waves and Optics	12	1	Core
PH 116	Experimental Methods of Physics I	8	2	Core
PH 122	Classical Mechanics	8	1	Core
PH 128	Electromagnetism	12	2	Core

### Second Year

PH 217	Quantum Physics	12	2	Core
PH 247	Experimental Methods of Physics II	8	1	Core
PH 220	Statistical Thermodynamics	8	2	Core

PH 204	Mathematical Methods of Physics	12	1	Elective
PH 222	Advance Mechanics	8	1	Elective
PH 249	Fundamentals of Materials Science	8	2	Elective

### Third Year

PH 319	Fundamentals of Atmospheric Physics	8	1	Elective
PH 339	Electronics	12	1	Core
PH 346	Physics Project	8(1)	1	Core
PH 351	Physics of the Atom	12	2	Core
PH 346	Physics Project	8(1)	2	Core
PH 364	Earth-Atmosphere System	8	2	Elective
PH 334	Energy in the Environment	8	1	Elective
PH 312	Elementary Particles	8	1	Elective
PH 317	Fundamentals of Electrodynamics	8	1	Elective
PH 359	Astrophysics	8	2	Elective
PH 373	The Basics of NMR Spectroscopy	8	2	Elective
PH 332	Solid State Physics	8	2	Elective

### Bachelor of Science in Meteorology

Code	Course Title	Credit	Semester	Status
<b>First Year</b>				
PH 122	Classical Mechanics	8	1	Core
PH 127	Vibrations, Waves and Optics	12	1	Core
PH 128	Electromagnetism	12	2	Core
PH 129	Atmospheric Thermodynamics	12	2	Core
MT 100	Foundations of Analysis 3 Units	12	1	Core
MT 127	Linear Algebra	12	1	Core
MT 120	Functions of a Single Variable	8	2	Core
MT 136	Ordinary Differential Equations	8	2	Core
MR 101	Introduction to Meteorology	12	1	Core
MR 102	Meteorological Instrumentation and Observations	12	2	Core
<b>Second Year</b>				
MT 114	Computer Programming	12	1	Core
MT 200	Calculus of Several Variables	12	1	Core
MT 233	Mathematical Statistics	12	1	Core
MT 346	Fluid Mechanics	12	2	Core
MT 226	Partial Differential Equations	8	1	Core
SC 215	Scientific Methods	8	1	Core
MR 201	Synoptic Meteorology	12	2	Core
MR 202	Climatology	12	2	Core
MR 203	Dynamic Meteorology	12	2	Core
MT 274	Numerical Analysis I	12	2	Core
MR 204	Physical Meteorology	12	2	Core
MR 210	Practical Training	12	2	Core

<b>Third Year</b>				
MR 306	Numerical Weather Prediction	12	1	Core
MR 302	Principles and Applications of Remote Sensing	12	1	Core
MR 303	Tropical Meteorology	8	1	Core
MR 301	Weather Analysis and Forecasting	12	1	Core
MR 305	Boundary-Layer and Micro-meteorology	12	1	Core
MR 308	Climate Monitoring and Prediction	12	1	Core
MR 307	Short-term Weather Prediction	12	2	Core
MR 314	Project in Meteorology	12	2	Core
MR 309	Mesoscale Meteorology	12	2	Core
MR 310	Climate Change	8	2	Core
MR 313	Air Pollution Meteorology	8	2	Core
MR 304	Maritime Meteorology	12	1	Elective
MR 308	Climate Monitoring and Prediction	12	1	Elective
MR 311	Aviation Meteorology	8	2	Elective
MR 312	Agricultural Meteorology	12	2	Elective

### DEPARTMENT OF ZOOLOGY AND WILDLIFE CONSERVATION

#### Bachelor of Science in Wildlife Science and Conservation

Code	Course Title	Credits	Semester	Status
<b>Common Courses</b>				
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
<b>First Year</b>				
AC 102	Fundamentals of Accounting for Non business majors	12	1	Core
ZL 121	Invertebrate Zoology	8	1	Core
BT 130	Evolutionary Botany	12	1	Core
MT 111	Mathematics for Biological and Chemical Sciences	8	1	Core
BL 111	Introduction to Cell Biology and Genetics	12	1	Core
WS 101	Ecology and Utilisation of Natural Resources	8	2	Core
CH 113	Chemistry for Life Sciences	12	2	Core
ZL 122	Chordate Zoology	8	2	Core
BL 113	Ecology I	8	2	Core
EC 116	Introductory Microeconomic Analysis	12	1	Elective
IS 131	Introduction to Informatics and Microcomputers	8	1	Elective
MC 100	Fundamentals of Microbiology	12	1	Elective
CL 107	Communication Skills for Science	12	2	Elective
ZL 124	Developmental Biology	8	2	Elective
<b>Second Year</b>				

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
<b>Third Year</b>				
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 Applied Zoology

Code	Course Title	Credits	Semester	Status
<b>Common Courses</b>				
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 & Pathology**	8	2	Core
ZL 300	Practical Training II	8	2	Core

Code	Course Title	Credits	Semester	Status
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 & Parasitology Stream only				

### Third Year

#### Environmental Zoology Stream

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 & 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 Virology	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 & Parasitology stream				

Code	Course Title	Credits	Semester	Status
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### 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
ZL 324	Principles of Biosystematics	12	1	Elective
BM 100	Principles of Management and Administration	12	1	Elective
BN 234	Molecular Virology	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 & Parasitology stream

## DEPARTMENT OF GEOLOGY

### Bachelor of Science in Geology

Code	Course Title	Credits	Semester	Status
<b>Common Courses</b>				
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
<b>First Year</b>				
GY 100	Introduction to Geology and	12	1	Core

Code	Course Title	Credits	Semester	Status
	Geological Processes			
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
MT 161	Matrices and Basic Calculus for Non Majors	12	1	Core
PH 122	Classical Mechanics	8	1	Core
PH 127	Vibration, Waves and Optics	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 128	Electromagnetism	12	2	Core
MT 114	Computer Programming	12	1	Elective
CH 117	Organic Chemistry I	12	2	Elective
ST 118	Time Series and Index Numbers	12	2	Elective
IS 131	Introduction to Informatics and Microcomputers	12	2	Elective
GY 265	Geological Mapping I	4		Core

### Second Year

GY 201	Optical Mineralogy	12	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
GY 250	Mineralogy and Crystallography	12	1	Core
GY 252	Fundamentals of Engineering Geology	12	1	Core
GY 243	Structural Geology	12	2	Core
GY 245	Remote Sensing and GIS	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GY 263	Fundamentals of Geophysics	12	2	Core
MT 271	Statistics for Mathematics Non Majors	12	2	Core
GY 355	Geological Mapping II	4		Core
GY 230	Petroleum Geology I	8	1	Elective
GY 333	Applied Geophysics	12	1	Elective
MT 114	Computers and Programming	12	1	Elective
MT 161	Matrices and Basic Calculus For Non-Major	12	1	Elective
SC 215	Scientific Methods	8	1	Elective
CL 108	Communication Skills for Commerce and Management	12	2	Elective
DS 200	Development Studies I	8	2	Elective

### Third Year

GY 310	Principles of Stratigraphy and Palaeontology	12	1	Core
GY 336	Introduction to Hydrogeology	12	1	Core

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
GY 361	Magmatic Petrology	12	1	Core
GY 371	Geotectonics	12	1	Core
GY 311	Metallic Mineral Deposits	12	2	Core
GY 344	Geomorphology and Soils	12	2	Core
GY 362	Metamorphic Petrology	12	2	Core
GY 363	Integrated Prospecting Methods	12	2	Core
GY 485	Practical Training	8	1	Core
GY 312	Palaeontology	12	1	Elective
GY 333	Applied Geophysics	12	1	Elective
GY 338	Petroleum Geophysics	12	1	Elective
EV 200	Environmental Science I	8	2	Elective
EV 300	Environmental Science II	8	2	Elective
ST 118	Time Series and Index Numbers	12	2	Elective
MT 171	One Variable Calculus for Non Majors	12	2	Elective
GY 260	Sedimentology and Sedimentary Petrology	12	2	Elective
GY 301	Petroleum Geology II	12	2	Elective
GY 351	Fundamentals of Seismology	8	2	Elective
GY 352	Marine Geology	8	2	Elective
GY 356	Applied Geochemistry	12	2	Elective
<b>Fourth Year</b>				
GY 402	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
GY 413	Mining Geology	12	1	Core
MM 405	Mineral Economics	8	1	Core
MK 100	Introduction to Business	12	2	Core
GM 100	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 310	Principles of Stratigraphy and Palaeontology	12	1	Elective
GY 406	Petroleum Geology	12	1	Elective
MT 161	Matrices and Basic Calculus for Non Majors	12	1	Elective
SC 215	Scientific Methods	8	1	Elective
MN 480	Mineral Economics	12	1	Elective
GY 351	Fundamentals of Seismology	8	2	Elective
GY 404	Mineral Processing	8	2	Elective
GY 408	Basement Analysis	8	2	Elective
GY 410	Advanced Hydrogeology	8	2	Elective
GY 424	Rock Excavation and Support	8	2	Elective

Code	Course Title	Credits	Semester	Status
GY 445	Oil and Gas Policy and Environmental Law	12	2	Elective
GY 457	Isotope Geology	8	2	Elective
MM 343	Geostatistics	8	2	Elective

### Bachelor of Science in Engineering Geology

Code	Course Title	Credits	Semester	Status
<b>Common Courses</b>				
DS 112	Development Perspectives I	12	2	Core
DS 113	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
<b>First Year</b>				
GY 100	Introduction to Geology and Geological Processes	12	1	Core
EG 100	Workshop Training	12	1	Core
ME 101	Engineering Drawing	8	1	Core
MT 161	Matrices and Basic Calculus for Non Majors	12	1	Core
CS 171	Introduction to Computer Programming	8	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
MT 171	One Variable Calculus for Non Majors	12	2	Core
SD 101	Civil Engineering Drawing	8	2	Core
SD 211	Civil Engineering Materials I	12	2	Core
GY 125	Introduction to Mapping and Surveying	12	2	Core
CS 172	Computer Programming in Pascal	8	2	Elective
GY 265	Geological Mapping I	4	2	Elective
<b>Second Year</b>				
GY 201	Optical Mineralogy	12	1	Core
GY 252	Fundamentals of Engineering Geology	12	1	Core
MT 261	Several Variable Calculus for Non Majors	12	1	Core
TR 111	Engineering Surveying	8	1	Core
TR 231	Geology for Civil Engineers	8	1	Core
MT 271	Statistics for Mathematics Non-Major	12	2	Core
GY 243	Structural Geology	12	2	Core
GY 245	Remote Sensing and GIS	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
TR 112	Engineering Surveying II	8	2	Core
TR 232	Soil Mechanics	12	2	Core

Code	Course Title	Credits	Semester	Status
GY 355	Geological Mapping II	4	2	Core
MT 114	Computer Programming	12	1	Elective
SC 215	Scientific Methods	8	1	Elective
GY 229	Introduction to Geochemistry	12	1	Elective
GY 263	Fundamentals of Geophysics	12	2	Elective
CL 108	Communication Skills for Commerce and Management	12	2	Elective
DS 200	Development Studies I	8	2	Elective
<b>Third Year</b>				
GY 250	Mineralogy and Crystallography	12	1	Core
GY 336	Introduction to Hydrogeology	12	1	Core
GY 361	Magmatic Petrology	12	1	Core
SD 212	Civil Engineering Materials II	12	1	Core
GY 310	Principles of Stratigraphy and Palaeontology	12	1	Core
TR 334	Foundation Engineering I	8	1	Core
GY 355	Geological Mapping II	12	2	Core
GY 423	Applied Rock mechanics	12	2	Core
GY 362	Metamorphic Petrology	12	2	Core
TR 324	Pavement Design and Maintenance	12	2	Core
TR 335	Foundation Engineering	8	2	Core
GY 485	Practical Training	8	1	Core
GY 333	Applied Geophysics	12	1	Elective
GY 338	Petroleum Geophysics	12	1	Elective
MT 210	Several Variable Calculus for Non-Major	12	1	Elective
GY 260	Sedimentology and Sedimentary Petrology	12	2	Elective
GY 263	Fundamentals of Geophysics	12	2	Elective
GY 311	Metallic Mineral Deposits	12	2	Elective
GY 344	Soil and Geomorphology	12	2	Elective
GY 351	Fundamental of Seismology	8	2	Elective
GY 352	Marine Geology	8	2	Elective
GY 356	Applied Geochemistry	12	2	Elective
GY 364	Metallic Mineral Deposits and Ore Microscope	12	2	Elective
EV 300	Environmental Science II	8	2	Elective
ST 116	Mathematics II	12	2	Elective
ST 118	Time Series and Index Numbers	12	2	Elective
MT 120	Analysis I: Functions of a Single Variable	12	2	Elective
MT 171	One Variable Calculus for Non Majors	12	2	Elective
<b>Fourth Year</b>				
GY 411	Geology and Mineral Resources of	12	1	Core

Code	Course Title	Credits	Semester	Status
	Tanzania			
GY 431	Dam Geology	8	1	Core
SC 430	General Engineering Procedures and Ethics	12	2	Core
TR 430	Pavement Maintenance	12	2	Core
GY 424	Rock Excavation and Support	8	2	Core
GY 363	Integrated Prospecting Methods	12	2	Core
GY 405	Independent Project	12	2	Core
IE 445	Entrepreneurship for Engineers	12	2	Core
GY 333	Applied Geophysics	12	1	Elective
GY 402	Industrial Minerals and Rocks	12	1	Elective
GY 403	Mining Geology and Ore Evaluation	12	1	Elective
GY 406	Petroleum Geology	12	1	Elective
GY 412	Ore Microscope	8	1	Elective
GY 413	Mining Geology	12	1	Elective
MK 100	Introduction to Business	12	1	Elective
ST 120	Basic Mathematics I	12	1	Elective
MT 127	Linear Algebra	12	1	Elective
TR 331	Highway Materials	12	1	Elective
MN 480	Mineral Economics	12	1	Elective
GY 344	Geomorphology and Soils	12	2	Elective
GY 349	Data Analysis Methods in Petroleum Geology	12	2	Elective
GY 351	Fundamental of Seismology	8	2	Elective
GY 355	Geological Mapping II	12	2	Elective
GY 356	Applied Geochemistry	12	2	Elective
GY 401	History of the Earth	8	2	Elective
GY 410	Advanced Hydrogeology	8	2	Elective
GY 446	Environmental Geology	8	2	Elective
TR 212	Foundation Engineering	12	2	Elective
TR 324	Pavement Design and Maintenance	12	2	Elective
TM 400	Engineering Ethics and Professional Conduct	8	2	Elective

### Bachelor of Science with Geology

Code	Course Title	Credits	Semester	Status
<b>Common Courses</b>				
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
<b>First Year</b>				
GY 100	Introduction to Geology and Geological Processes	3	1	Core
GY 120	Earth Materials (Rocks and Minerals)	12	2	Core
GY 125	Introduction to Mapping and	12	2	Core



Code	Course Title	Credits	Semester	Status
	Surveying			
GY 265	Geological Mapping I	4		Core
AC 102	Fundamentals of Accounting for Non Business majors	12	1	Elective
IS 161	Basic Computer Applications	12	1	Elective
MT 114	Computer Programming	12	1	Elective
<b>Second Year</b>				
GY 201	Optical Mineralogy	3	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
GY 250	Mineralogy and Crystallography	12	1	Core
GY 243	Structural Geology	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GY 263	Fundamentals of Geophysics	12	2	Core
GY 355	Geological Mapping II	8		Core
MT 114	Computer Programming	12	1	Elective
SC 215	Scientific Methods	8	1	Elective
GY 252	Fundamentals of Engineering Geology	12	1	Elective
MT 100	Foundations of Analysis	12	1	Elective
MT 114	Computer Programming	12	1	Elective
DS 207	Population Environment and Development	12	1	Elective
GY 230	Petroleum Geology I	8	1	Elective
GY 245	Remote Sensing and GIS Application	12	2	Elective
MT 136	Ordinary Differential Equations 1	8	2	Elective
<b>Third Year</b>				
GY 310	Principles of Stratigraphy and Paleontology	12	1	Core
GY 336	Introduction to Hydrogeology	12	1	Core
GY 361	Magmatic Petrology	12	1	Core
GY 245	Remote Sensing and GIS	12	2	Core
GY 311	Metallic Mineral Deposits	12	2	Core
GY 362	Metamorphic Petrology	12	2	Core
GY312	Palaeontology	12	1	Elective
GY 333	Applied Geophysics	12	1	Elective
GY 371	Geotectonics	12	1	Elective
EV 300	Environmental Science II	8	2	Elective
CH 305	Chemistry of Natural Products	12	2	Elective
GY 260	Sedimentology and Sedimentary Petrology	12	2	Elective
GY 301	Petroleum Geology II	12	2	Elective
GY 344	Geomorphology and Soil	12	2	Elective
GY 351	Fundamental of Seismology	8	2	Elective
GY 352	Marine Geology	12	2	Elective

Code	Course Title	Credits	Semester	Status
GY 356	Applied Geochemistry	12	2	Elective
GY 372	Coal Geology	12	2	Elective
GY 485	Practical Training	8	2	Elective
<b>Fourth Year</b>				
GY 401	History of the Earth	8	1	Core
GY 402	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
GY 413	Mining Geology	12	1	Core
MM 405	Mineral Economics	8	1	Core
GY 363	Integrated Prospecting Methods	12	2	Core
GY 405	Independent Project	12	2	Core
GY 446	Environmental Geology	8	2	Core
GY 310	Principles of stratigraphy and Palaeontology	12	1	Elective
GY 406	Petroleum Geology	12	1	Elective
GY 431	Dam Geology	8	1	Elective
MK 100	Introduction to Business	12	1	Elective
MN 480	Mineral Economics	12	1	Elective
GY 260	Sedimentology and Sedimentary Petrology	12	2	Elective
GM 100	Principles and Practice of Management	12	2	Elective
AS 103	Introduction to Quantitative Research Methods	12	2	Elective
CL 108	Business Communication	12	2	Elective
GY 311	Metallic Mineral Deposits	12	2	Elective
GY 344	Geomorphology and Soil	12	2	Elective
GY 352	Marine Geology	8	2	Elective
GY 356	Applied Geochemistry	12	2	Elective
GY 362	Metamorphic Petrology	12	2	Elective
GY 404	Mineral Processing	8	2	Elective
GY 410	Advanced Hydrogeology	8	2	Elective
GY 423	Applied Rock Mechanics	12	2	Elective
GY 424	Rocks Excavation and Support	8	2	Elective

### Bachelor of Science in Petroleum Geology

Code	Course Title	Credits	Semester	Status
<b>Common Courses</b>				
DS 112	Development Perspectives I	12	1	Core
DS 113	Development Perspectives II	12	2	Core
EV 200	Environmental Science I	8	1	Core
<b>First Year</b>				

<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
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 122	Classical Mechanics	8	1	Core
PH 127	Vibration, Waves and Optics	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
PH 128	Electromagnetism	12	2	Core
GY 265	Geological Mapping I	4		Core
GY 333	Applied Geophysics	12	1	Elective
MT 104	Computers and programming	12	2	Elective
IS 131	Introduction to Informatics and Microcomputers	12	2	Elective
<b>Second Year</b>				
GY 201	Optical Mineralogy	12	1	Core
GY 229	Introduction to Geochemistry	12	1	Core
GY 230	Petroleum Geology I	8	1	Core
GY 250	Crystallography and Mineralogy	12	1	Core
MT 261	Several Variable Calculus for Non Major	12	1	Core
MT 271	Statistics for Mathematics Non Majors	12	2	Core
GY 243	Structural Geology	12	2	Core
GY 245	Remote Sensing and GIS	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GY 263	Fundamentals of Geophysics	12	2	Core
GY 355	Geological mapping II	4		Core
SC 215	Scientific Methods	8	1	Elective
GY 252	Fundamental of Engineering Geology	8	1	Elective
OG 101	Introduction to Petroleum Engineering	12	2	Elective
<b>Third Year</b>				
GY 310	Principles of Stratigraphy and Paleontology	12	1	Core
GY 314	Igneous and Metamorphic Petrology	12	1	Core
GY 336	Introduction to Hydrogeology	12	1	Core
GY 338	Petroleum Geophysics	12	1	Core
GY 301	Petroleum Geology II	12	2	Core

Code	Course Title	Credits	Semester	Status
GY 313	Biostratigraphy	12	2	Core
GY 323	Petroleum Geochemistry	8	2	Core
GY 349	Data Analysis Methods in Petroleum Geology	12	2	Core
GY 352	Marine Geology	8	2	Core
GY 333	Applied Geophysics	12	1	Elective
GY 371	Geotectonics	12	1	Elective
GY 344	Geomorphology and Soils	12	2	Elective
GY 311	Metallic Mineral Deposits	12	2	Elective
GY 351	Fundamental of Seismology	8	2	Elective
GY 356	Applied Geochemistry	12	2	Elective
GY 363	Integrated Prospecting Methods	12	2	Elective
GY 372	Coal Geology	12	2	Elective
GY 485	Practical Training	8	1	Elective
<b>Fourth Year</b>				
GY 411	Geology and Mineral Resources of Tanzania	12	1	Core
GY 418	Sedimentary Basins and Petroleum Systems	12	1	Core
GY 449	Technology Review	12	1	Core
GY 479	Reservoir Characterization	8	1	Core
GY 405	Independent Project	12	2	Core
GY 440	Production Geology	12	2	Core
GY 444	Petroleum Geology Review	12	2	Core
GY 450	Prospect Assessment, Evaluation and Petroleum Economics	12	2	Core
GY 402	Industrial Minerals and Rocks	12	1	Elective
CH 252	Chemistry of Coal	12	2	Elective
GY 446	Environmental Geology	8	2	Elective
GY 401	History of the Earth	8	2	Elective
*Students pursuing BT/ZL, BL 215, BL113, units will be counted in Botany				
**For ZL/AQ majors will take ZL206 Molluscan Biology (8 Credits) instead of AQ 201 & AQ 218				
*** Students pursuing ZL/WE will not take BL 303 Terrestrial Biology Field course				

## Bachelor of Science in Geophysics

### Common Courses

Code	Course Title	Credits	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
<b>First Year</b>				
GY100	Introduction to Geology and Geological Processes	12	1	Core

MT 127	Linear Algebra	12	1	Core
MT100	Foundations of Analysis	12	1	Core
PH122	Classical Mechanics	8	1	Core
PH 133	Vibration and Waves	8	1	Core
GY120	Earth Materials (Rocks and Minerals)	12	2	Core
GY125	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
PH121	Electricity and Magnetism	8	2	Core
<b>Second Year</b>				
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
GP 265	Geophysical Field School I	8	1	Core
GY 252	Fundamentals of Engineering Geology	8	1	Core
GY 243	Structural Geology	12	2	Core
GP 221	Nuclear Geophysics	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GY229	Introduction to Geochemistry	12	1	Elective
GY250	Mineralogy and Crystallography	12	1	Elective
GY245	Remote Sensing and GIS	12	1	Elective
GY 230	Petroleum Geology 1	12	1	Elective
GY 250	Crystallography and Mineralogy	12	1	Elective
CL107	Communication Skills for Science	12	2	Elective
<b>Third Year</b>				
GY310	Principles of Stratigraphy and Palaeontology	12	1	Core
GY 314	Igneous and Metamorphic Petrology	12	1	
GP 311	Gravity and Magnetic Method	12	1	Core
GP 312	Seismology	12	1	Core
GY311	Metallic Mineral Deposits	12	1	Core
GP 321	Exploration Seismology	12	2	Core
GP 322	Electrical and Electromagnetic Methods	12	2	Core
GP313	Geophysical Time Series Analysis	12	2	Core
PH 204	Mathematical Methods for Physics	12	1	Elective
GY 371	Geotectonics	12	1	Elective

GY 326	Introduction to Hydrogeology	12	2	Elective
GY 301	Petroleum Geology II	12	2	Elective
GP 335	Practical Training	8		Core
<b>Fourth Year</b>				
GY411	Geology and Mineral Resources of Tanzania	12	1	Core
GP401	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 455	Geophysical Field School II	8	1	Core
MK 100	Principles of Management and Administration	12	2	Core
GP 412	Borehole Geophysics	12	2	Core
GM 102	Introduction to Business	12	2	Core
GP 435	Geophysical Independent Project	12	2	Core
GY 479	Reservoir Characterization	8	1	Elective
GY 418	Sedimentary Basin and Petroleum Systems	12	1	Elective
GP 413	Mining Geophysics	8	1	Elective
GY 402	Industrial Minerals and Rocks	12	1	Elective
GP 402	Seismic Hazard Analysis	12	2	Elective
GY 401	History of the Earth	8	2	Elective
GY 446	Environmental Geology	8	2	Elective

## Bachelor of Science in Geology and Geothermal Energy

### Common Courses

Code	Course Title	Credits	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
<b>First Year</b>				
CH 118	Basic Analytical and Physical Chemistry	12	1	Core
GY100	Introduction to Geology and Geological Processes	12	1	Core
MT161	Matrices and Basic Calculus for Non Majors	12	1	Core
PH 133	Vibration and Waves	12	1	Core
EE 171	Introduction to Computers and Programming for Engineers	8	1	Core

PH 122	Classical Mechanics	8	1	Core
GY120	Earth Materials (Rocks and Minerals)	12	2	Core
GY125	Introduction to Survey and Mapping	12	2	Core
MT171	One Variable Calculus for Non Majors	12	2	Core
PH121	Electricity and Magnetism	12	2	Core
PH 129	Atmospheric Thermodynamics	12	2	Core
GY265	Geological Mapping I	4	2	Core
<b>Second Year</b>				
GY201	Optical Mineralogy	12	1	Core
GY229	Introduction to Geochemistry	12	1	Core
GY250	Mineralogy and Crystallography	12	1	Core
*GR 201	Volcanology	8	1	Core
CH 201	Chemical Thermodynamics	8	1	Core
GY243	Structural Geology	12	2	Core
GY245	Remote Sensing and GIS	12	2	Core
GR 204	Geothermal Systems	12	2	Core
GY 260	Sedimentology and Sedimentary Petrology	12	2	Core
GY263	Fundamentals of Geophysics	12	2	Core
SC 215	Scientific Methods	8	1	Elective
GY 252	Fundamentals of Engineering Geology	12	1	Elective
MT 271	Statistics for Mathematics Non Major	12	2	Elective
GE 246	Hydrometeorology	12	2	Elective
GY355	Geological mapping II	4	2	Core
<b>Third Year</b>				
GY310	Principles of Stratigraphy and Palaeontology	12	1	Core
GY336	Introduction to Hydrogeology	12	1	Core
GY 314	Igneous and Metamorphic Petrology	12	1	Core
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 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
GY 351	Fundamentals of Seismology	8	2	Elective
ME 228	Mechanics of Fluids	12	1	Elective
CH 290	Chemical Kinetics and Electrochemistry	8	2	Elective

GY 356	Applied Geochemistry	12	2	Elective
GY 363	Integrated Prospecting Methods	12	2	Elective
GY 485	Practical Training	8	1	Core
<b>Fourth Year</b>				
GY411	Geology and Mineral Resources of Tanzania	12	1	Core
MN 480	Mineral Economics	12	1	Core
GY 410	Advanced Hydrogeology	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 401	History of the Earth	8	2	Core
GM 100	Principles and Practice of Management	12	2	Core
ME 322	Renewable Energy Technology	12	2	Core
GR 403	Geothermal Utilization	8	2	Core
GY 402	Industrial Minerals and Rocks	12	1	Elective
GY 446	Environmental Geology	8	2	Elective
GY405	Independent Project	12	2	Core

## CoNAS STAFF LIST

### OFFICE OF THE PRINCIPAL

*Associate Professor and Principal*

T. J. Lyimo, BSc, MSc, PhD (Dar)

*Senior Lecturer and Deputy Principal*

S. S. Nyandoro, BSc Ed, MSc, PhD (Dar)

*Principal Administrative Officer II*

O. Sawuka, BCom. (Dar), MBA (Bot), MSc (Frankfurt)

### Department of Botany

*Lecturer and Head*

E. F. Mvungi, BSc, MSc (Dar), PhD (Stockholm)

*Senior Lecturers*

H. J. Ndangalasi, DipEd (Dar), BScEd, MSc, PhD (Dar)

C. Mligo, BScEd, MSc, PhD (Dar)

A. S. Buriyo, BSc, MSc, PhD (Dar)

*Lecturers*

\*\*\*F. I. Tibazarwa, BScEd, MSc (Dar), PhD (Nijmegen)

E. F. Mvungi BSc, MSc (Dar), PhD (Stockholm)

G. F. Kimaro, BScEd, MSc, PhD (Dar)



G. M. Sangu, BScEd, MSc, PhD (Dar)  
H. M. Mangosongo, BScEd (Dar), MSc (Kent), PhD (Dar)  
S. Nnungu, BSc, MSc (Dar), PhD (Nsukka)  
C. A. Joseph, BSc (SUA), MSc, PhD (Huazhon)  
H. N. Moshi, BScEd, MSc, PhD (Dar)  
S. A. Mwansasu, BSc, MSc (Pina Sel Rio) PhD (Stockholm)  
E. M. Sangu, BScEd, MSc (Dar), PhD (CAAS)

*Assistant Lecturers*

I. Yangaza BSc, MSc (Dar)  
D. C. Simiyu, BSc (Mwenge), MSc (Dar)  
E. M. Kiwonde, BSc (Morogoro), MSc (Jerusalem)

*Tutorial Assistants*

S. M. Sanga, BSc (Dar)  
F. M. Joachim, BSc (Dar)  
D. A. Mwaikambo, BSc (Dar)  
C. Nassoro, BSc (Dar)

*Secretary*

E. P. Bigere

*Chief Technician*

F. M. Mbago, Cert.For (Olmotonyi), Int.Dip. in Herbarium Tech. (RBG Kew). Cert in Herbarium Curation (MSB)

*Principal Technician II*

C. Kweyunga, Higher Diploma (London), Laboratory Instr. (UK), Cert. in Chemical Analysis (Sweden)  
A. P. Kuratha, BScEd, MSc (Ed), MSc, (Dar)  
B. A. Manumbu, Cert. Lab. Tech. (DIT)

*Senior Laboratory Technician II*

E. Alphonse, BSc, MSc (Dar)

*Senior Laboratory Technician III*

P. B. Fidelis, Cert.Instr (DIT)

*Laboratory Technician I*

W. K. Kalugasha Cert. Lab. Tech. (DIT)

*Laboratory Assistant II*

B. Haule, Cert. Lab. Tech. (Dar)

\*\*\*On leave without pay

**Chemistry Department**

*Senior Lecturer and Head*

K. F. Kilulya, BScEd, MSc (Dar), PhD (Johannesburg)

*Professor Emeritus*

M. H. H. Nkunya, BSc, MSc, PhD (Dar),

### *Associate Professors*

G. S. Mhinzi, BSc, MSc (Dar), PhD (Salford)  
E. H. J. Lugwisha, BScEd (Dar), MSc, PhD (East Anglia)  
\*\*\*J. E. G. Mdoe, BScEd, MSc (Dar), PhD (York)  
J. Buchweishaija, DipEd (Mkwawa), BSc (Dar), MSc, PhD (Trondheim)  
J. A. M. Mahugija, BScEd, MSc, PhD (Dar)

### *Senior Lecturers*

F. N. Ngassapa, MSc, PhD (Moscow)  
Y. M. M. Makame, BSc (Dar), MSc, PhD (Trondheim)  
S. S. Nyandoro, BScEd, MSc, PhD (Dar)  
Q. A. Mgani, BScEd, MSc (Dar), PhD (New Mexico)  
A. S. Mwakaboko, BSc, MSc (Dar), PhD (Nijmegen)  
J. Y. N. Phillip, DipEd (Mkwawa), BEd (Sc.), MSc (Dar), Lic. Eng. (Lund) PhD (Dar)  
\*\*\*C. C. Joseph, BScEd, MSc (Dar), PhD (Nijmegen)  
\*\*\*L. D. Akwilapo, DipEd (Mkwawa) BScEd, MSc (Dar), PhD (Trondheim)  
G. Kinunda, BScEd, MSc (Dar), PhD (Kwa Zulu Natal)  
K. F. Kilulya, BScEd, MSc (Dar), PhD (Johannesburg)  
J. J. E. Munissi, BSc, MSc, PhD (Dar)

### *Lecturers*

C. A. Mgina, BSc, MSc (Dar), PhD (Nijmegen)  
R. Peter, BSc (Dar), MSc (Gaborone), PhD (New Mexico)  
M. M. Ndoile, BScEd, MSc (Dar), PhD (KwaZulu Natal)  
F. Lyatuu, BSc (Dar), MSc (Newcastle), PhD (Marburg)  
F. Jacob, BScEd (Dar), MSc (Abuja), PhD (Arusha)  
E. Mapunda BSc, MSc (Dar), PhD (Pretoria)  
N. R. Komba, DipEd (Monduli), BScEd, MSc (Dar), PhD (Quebec)

### *Assistant Lecturers*

\*G. Deogratus, BScEd, MSc (Dar)  
\*M. M. Madirisha BScEd (Dar), MSc (Nairobi)  
\*G. B. Shombe, BSc, MSc (Dar)  
\*E. Xwaymay, BSc, MSc (Dar), MSc (Aberdeen)  
\*H. Kahimbi, BScEd (Iringa), MSc (KNU)  
\*N. A. Kasimu, BScEd (Dar), MSc (Aberdeen)

### *Tutorial Assistant*

E. T. Mahambo BSc (Dar)

### *Chief Laboratory Scientists*

F. Sung'hwa, FTC (DIT), BSc, MSc (Dar), PhD (Nijmegen)  
L. Mwamtobe, DipEd (Mkwawa), BScEd, MSc (Dar)  
S. Masoud, BSc, MSc (Moscow)  
L. Illomo, DipEd (Mkwawa), BSc, MSc, PhD (Dar)

### *Principal Laboratory Scientist*

G. S. Malisa, (C&G, London), AdvDipAnalChem (Manchester), PGDScComp (Dar)

*Laboratory Scientist I*

P. Godfrey, BScEd, MSc (Dar)

\*R. Irunde, BScEd, MSc (Dar)

E. Wantahe, BSc (UDSM)

*Laboratory Scientist III*

H. Tosha BSc (Dar)

*Chief Technicians*

B. Sindatuma, FTC (Dar)

J. Peter, FTC (Dar)

*Principal Technician I*

E. D. Fredrick, FTC (Dar)

*Laboratory Assistants I*

T. R. Mlawa, Laboratory Assistant Grade I

S. Zuberi, Laboratory Assistant Grade I

\*\*\*On leave of absence (secondment)

\*On study leave

**Department of Geology**

*Lecturer and Head*

E. E. Mshiu, BSc, MSc (Dar), PhD (Martin Luther)

*Professors*

M. A. H. Maboko, BSc, MSc (Dar), PhD (ANU)

J. R. Ikingura, BSc (Dar), MSc, PhD (Carleton)

\*\*\*S. Many, BSc, MSc, PhD (Dar)

*Associate Professors*

E. I. Mbede, BSc (Dar), MSc (London), Dr. rer. nat. (Berlin)

H. H. Nkotagu, BSc (Dar), MSc (London), MPhil, Dr. rer. nat. (Berlin)

N. Boniface, BSc, MSc (Dar), PhD (Kiel)

*Senior Lecturers*

K. Charles, BSc, MSc (Dar), PhD (Cape Town)

*Lecturers*

F. W. Richard, BSc, MSc (Dar), PhD (Uppsala)

G. D. Mulibo BSc, MSc (Dar), PhD (Penny)

E. O. Kazimoto, BSc, MSc (Dar), PhD (Kiel)

E. E. Mshiu, BSc, MSc (Dar), PhD (Martin Luther)

C. Mtelega, BSc, MSc (Dar), PhD (JCU)

R. J. Massawe, BSc (Dar), MSc (Acadia), PhD (UNB)

K. Lupogo, BSc (Dar), MSc (Delft), PhD (SFU)

S. R. Melchior, BSc, MSc (Rorkee), PhD (Dar)

R. L. Gama, BSc (Dar), MSc (IUEM, UBO), PhD (Brest)

O. S. Lemna, BSc (Dar), MSc (LMU, TMU). PhD (Aberdeen)

J. J. Saroni, BSc , MSc (Dar), PhD (Aberdeen)  
E. B. Kiswaka, BSc (Dar), MSc, PhD (NTNU)

*Assistant Lecturers*

\*E. Mulaya, BSc (Dar), MSc (NTNU)  
\*J. W. Gama, BSc (Dar), MSc (IFP School)  
M. C. Moshi, BSc (Dar), MSc (UU)

*Tutorial Assistants*

E. Abdalla, BSc (Dar), MSc (UNESCO-IHE), MSc (Dar)  
\*\*\*C. Lugangizya, BSc (Dar), MSc (NTNU)  
\*N. D. Kobare, BSc (Dodoma)  
\*S. Magohe, BSc (Dar)  
W. A. Mremi, BSc (Dar)  
\*C. N. Kimani, BSc (Dar)  
\*K. M. Mtili, BSc (Dar)  
J. N. Fungo, BSc (Dodoma)  
N. M. Ngabia, BSc (Dar)

*Chief Laboratory Scientist*

J. K. Mujumba, BSc (Dar), MSc (La Trobe), PhD (Dar)

*Principal Laboratory Scientist I*

C. W. Messo, BSc, MSc (Dar), PhD (Okoyama)

*Principal Laboratory Scientist II*

P. Machibya, NSC, NDMM (DSA), BScEd, MEM (Dar),

*Senior Laboratory Scientist I*

\*S. Ngassala, BSc, MSc (Dar)

*Chief Technician*

M. A. M. Songo, FTC,  
BSc (OUT, MSc (Dar)

*Laboratory Scientist I*

C. John, BSc (Dar)

*Laboratory Engineer I*

E. M. Lugano BSc (Dar)

*Technician I*

J. Edmund, DipScLabTech, BSc (DIT)

*Technician II*

A. Haule, FTC (MRI, Dodoma), BSc (Dar)

**Department of Mathematics**

*Associate Professor and Head*

E. W. Mureithi, BEd (Sci), MSc (Nairobi), PhD (Sydney)

*Associate Professors*

A. R. Mushi, BScEd (Dar), MMS, PhD (Dublin)  
S. Kumar, BSc, MSc (Agra), PhD (Aligarh)  
E. W. Mureithi, BEd (Sci), MSc (Kenya), PhD (Sydney)

*Senior Lecturers*

E. Mujuni, BSc (Dar), MSc (Harare), PhD (Dar)  
N. Shaban, BEd (Sc.), MSc, PhD (Dar)  
S. E. Rugeihyamu, BScEd (Dar), DipMath, MSc (Dublin), PhD (Cork)

*Lecturers*

M. Mwanzalima, BScEd (Dar), MMath (Makerere), PhD (Dar)  
H. Rwezaula, BScEd, MSc (Dar), PhD (Dublin)  
T. Marijani, BSc (Dar), MSc, PhD (Stellenbosch)  
\*\*S. I. Mbalawata, BSc(Dar), MSc, PhD (Lappeenranta )  
S. Sima, BScEd, MSc (Dar), PhD (Witwatersrand)  
D. Koloseni, BScEd, MSc(Dar), PhD (Lappeenranta)  
M. Mpimbo, BScEd, MSc (Dar), PhD (Ohio)  
M. Mkandawile, BScEd (Kampala), MSc, PhD (Dar)  
M. Rashid, BSc, MSc, PhD (Dar)  
G. Mlay, BscEd (Dar), MSc (Lappeenranta), PhD (Arusha)  
J. Makungu, BSc (Dar), MSc (Lappeenranta) , PhD (Arusha)  
I. Amour, BscEd (Dar), MSc, PhD (Lappeenranta)  
A. Isdory, BScEd (Dar), MSc (Zimbabwe), PhD (Dar)  
E. Evarast, BScEd, MSc , PhD (Dar)  
J. Andongwisye, BScEd, MSc, PhD (Dar)

*Assistant Lecturers*

\*S. Pitos, BScEd (Dar), MSc (Lappeenranta),  
\*W. Levens BScEd, MSc (Dar)  
\*S. Suleiman BScEd, MSc (Dar)  
\*U. Ngulo, BSc (Ed), MSc (Dar)  
\*D. Kabuche, BSc (Dar), MSc (Aberdeen)  
L. Shilingi, BSc (Dar), MSc (India)  
A. Mandia, BSc (Dar), MSc (India)  
E. Mrema, Bed, MSc (Dar)  
I. Maduhu, BSc (Dar), MSc (India)  
S. Kessy, BSc (Dar), MSc (AIMS)

*Tutorial Assistants*

S.I. Makwaru BScEd (Dar)  
F.B. Janes, BScEd (Dar)

*Principal Technician II*

W. Lwiza, AdvDipEng, (DIT), PGDEEICT (Dar)

\*\*\*On leave of absence (secondment)

\*\*On leave of absence

\*On study leave

## **Department of Molecular Biology and Biotechnology**

### *Lecturer and Head*

S. A. A. Kassuwi, BSc (Dar), MSc (Turku), PhD (Dar)

### *Professor Emerita*

A. K. Kivaisi, BSc (Dar), MSc (Stockholm), PhD (Dar)

### *Professors*

\*\*\*G. Y. S. Mtui, BSc (Dar), MSc, PhD (Kanazawa)

\*\*\*A. M. Mshandete, Dip Ed (Mkwawa), BSc(Ed), MSc, PhD (Dar)

### *Associate Professors*

T. J. Lyimo, BSc, MSc, PhD (Dar)

S. L. Lyantagaye, BSc, MSc (Dar), PhD (Western Cape)

D. D. Tibuhwa, BSc, MSc, PhD (Dar)

### *Senior Lecturers*

\*\*\*K. M. M. Hosea, BScEd, MSc, PhD (Dar)

L. A. Namkinga, MSc (Pharmacy) (Kharkov), PhD (Dar)

### *Lecturers*

A. V. Makene, BSc, MSc, PhD (Dar)

R. Masalu, BSc, MSc, PhD (Dar)

D. G. Maeda BSc (Dar), MSc (Heidelberg), PhD (Hannover)

S. A. A. Kassuwi, BSc (Dar), MSc (Turku), PhD (Dar)

G. E. Temu, BSc, MSc, PhD (Dar)

A. Mahadhy, BSc (Dar), MSc, PhD (Lund),

M. D. Nkungu, BSc, MSc (Dar), PhD (Braunschweig)

C. B. Mpinda, BSc (Dar), MSc (Dar), PhD (Dar)

### *Assistant Lecturers*

\*S. Hamad, BSc, MSc (Dar)

\* J. H. Mahamoud B. Sc, MSc (Dar)

\*F. N. Mpenda B.Sc (Dar), MSc (Arusha)

\*A. D. Mwakilili, B.Sc, MSc (Dar)

H. H. Myovela, BSc (Dar)

### *Principal Laboratory Scientist II*

E. M. Sosovele, BSc (Dar), MSc, PhD (Dar)

### *Senior Laboratory Scientist I*

P. Raymond, BSc, MSc, PhD (Dar)

### *Senior Laboratory Scientist II*

F. Patrick Kisoka BSc, MSc (Dar)

C. Misanga. BSc (Dar), MSc (Wageningen)

L. Mwangoka, BSc, MSc (Dar)

### *Senior Laboratory Scientist III*

W. E. Kimaro, BSc, MSc (Dar)

*Chief Technicians*

W. P. Shimba, FTC (DIT, Dar), BSc (Morogoro)

*Senior Laboratory Technician III*

S. Shamte, FTC, B Sc (DIT, Dar)

J. S. Sulle, FTC (DIT, Dar), BBA (Dar)

*Laboratory Technician I*

M. Henry, DipLabTech (DIT Dar)

K. Shitindi, DipLabTech (WDML, Dar)

A. A. Mlwiswa DipLabTech (DIT, Dar), BSc (Morogoro)

\*\*\*On leave of absence (secondment)

\*\*On leave of absence

\*On study leave

**Department of Physics**

*Senior Lecturer and Head*

N. R. Mlyuka, BSc, MSc, PhD (Dar)

*Senior Lecturers*

I. N. Makundi, BSc, MSc (Dar), PhD (Tokyo)

M. E. Samiji, BScEd, MSc (Dar), PhD (Port Elizabeth)

N. R. Mlyuka, BSc, MSc, PhD (Dar)

*Lecturers*

A. B. Malisa, BSc (Dar), MSc, PhD (Gothernburg)

M. Mazunga, BSc, MSc (Dar), PhD (University of Science and Technology))

M. Kumwenda, BSc, MSc (Dar), PhD (Korea)

I. Lugendo, BSc, MSc (Dar), PhD (Korea)

R. J. Mangara, BSc, MSc (Dar), PhD (UCAS)

P. L. Mwakysusa, BSc, MSc (Dar), PhD (Karlsruhe)

P. T. S. Limbu, BSc (Dar), MSc, PhD (NUIST)

*Assistant Lecturers*

\*L. Kiebacho, BSc (Dar), MSc (Jiangsu)

\*J. J. Tibaijuka, BSc, MSc (Dar)

\*M. M. Mtangi, BSc, MSc (Dar)

\*E. K. Makula, B. Sc, (Dar), MSc (Jiangsu)

H. Sawa, BSc, MSc (Dar)

G. D. Sungi, BSc, MSc (Dar)

E. T. Shana, BSc, MSc (Dar)

*Tutorial Assistant*

\*D. O. Mbigi, BSc (Dar)

\*Z. Mtewe, BSc (Dar)

N. E. Mmari, BSc (Dar)

W. P. Kessy, BSc (Dar)

*Head of Technical Staff and Principal Laboratory Engineer II*

M. K. Mtelela, AdvDipEng(DIT)

*Laboratory Scientist I*

E. Rwenyagila, BScEd (Dar), MSc (Lausanne), PhD (Abuja)

*Chief Technicians*

B. Kazimili, FTC (Arusha)

A. G. Nyenyembe, FTC (Arusha)

**Department of Zoology and Wildlife Conservation**

*Associate Professor and Head*

F. J. Magige, BSc, MSc (Dar), PhD (NTNU)

*Senior Lecturers*

F. A. Mturi, BSc, PhD(Dar)

B. A. Nyundo, BSc, MSc, PhD(Dar)

C. W. Nyamkinda, BSc MSc, PhD (Dar)

*Lecturers*

J. R. John, BSc (SUA), MSc (Dar) PhD (SNU)

F. S. Nyaki, BSc, MSc (Dar), PhD (CAU-Kiel)

W. B. Kidima, BSc, MSc (Dar), PhD (UH-Manoa-Honolulu)

J. V. Katandukila, BSc, MSc (Dar), PhD (Pretoria)

F. D. Chibwana, BSc, MSc, PhD (Dar)

W. N. Mrosso, BSc, MSc, PhD (Dar)

G. D. Mukandala, BSc (Clark), MSc (Memorial University), PhD (Dublin)

E. N. Kalumanga, BSc (Morogoro), M.Sc. (Dar), PhD (Stockholm)

A. B. Philbert, B Sc, MSc, PhD (Dar)

*Assistant Lecturers*

\*M. Kibaja, BSc, MSc (Dar)

\*M. Shilereyo, BSc, MSc (Morogoro)

Y. Chuhila, BSc (Dar), MSc (Nairobi)

A. B. Ahungu, BSc (Dar), MSc(Arusha)

S. Temu, BSc, M.Sc, (Dar)

J. V. Lyakurwa, BSc, (Dar), MSc (Arusha)

\*H. M. Mfaume, BSc, MSc (Dar)

S. F. Ndunguru, BSc, MSc (Dar)

J. L. Kachungwa, BSc, MSc (Dar)

*Tutorial Assistants*

M. Michael, BSc (Kilimanjaro)

A. Mujuni (MUCE)

A. Ulime (MUCE)

*Chief Laboratory Scientist*

J. Kyomo, BSc (Dar), MSc (IHE)



*Senior Laboratory Scientist III*

I. M. Chiduo, BSc, MSc (Dar)

P. S. Nzumbi, BSc, MSc (Dar)

*Senior Technician III*

S. M. Mweyo, FTC (DIT), BSc (Dar)

*Lab Scientist II*

S. G. Ackrey, BSc (Morogoro).

*Lab Scientist III*

M. B. Lisesi, BSc (Dar)

H. M. Haucha (Dar)

**Central Science Workshop**

*Manager*

I. J. Lugendo. BSc, MSc (Dar), PhD (Korea)

*Deputy Manager*

E. Mapunda BSc, MSc (Dar), PhD (Pretoria)

*Chief Technician*

S. Musa, FTC (DTC)

A. Ramadhan, FTC (DTC)

*Laboratory Technician IV*

R. Adolf

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\* On Study Leave

\*\*On Sabbatical Leave

\*\*\*On Leave of Absence/Secondment

**COLLEGE OF SOCIAL SCIENCES (CoSS)**

**DEPARTMENT OF ECONOMICS**

**Bachelor of Arts in Economics**

**First Year**

<b>Semester I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credit</b>
EC 116	Introductory Microeconomic Analysis I	Core	12
EC 117	Introductory Macroeconomic Analysis I	Core	12
AC 100	Principles of Accounting I	Core	12
ST 120	Basic Mathematics	Core	12
AS 102	Introduction to Social Science Research Methods	Core	12
DS 112	Development Perspectives I	Core	12
<b>Total Credits</b>			<b>72</b>
<b>Semester II</b>			
EC 126	Introductory Microeconomic Analysis II	Core	12
EC 127	Introductory Macroeconomic Analysis II	Core	12
AC 101	Principles of Accounting II	Core	12
ST 112	Introduction to Statistics	Core	12
DS 113	Development Perspectives II	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
<b>Total Credits</b>			<b>72</b>

**Second Year**

<b>Semester I</b>			
EC 216	Intermediate Microeconomic Analysis I	Core	12
EC 217	Intermediate Macroeconomic Analysis I	Core	12
EC 218	Quantitative Methods I	Core	12
EC 219	Econometrics I	Core	12
EC 220	Development Economics I	Core	12
<b>Total Credits</b>			<b>60</b>
<i>A Student May Choose Only One of the Following Courses:</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12
ST 210	Probability Distributions I	Elective	12
ST 121	Analytical Calculus	Elective	12
FN 201	Introduction to Financial Services	Elective	12
EC 221	Managerial Economics		

<b>Semester II</b>			
EC 226	Intermediate Microeconomic Analysis II	Core	12
EC 227	Intermediate Macroeconomic Analysis II	Core	12
EC 228	Quantitative Methods II	Core	12
EC 229	Econometrics II	Core	12
EC 230	Development Economics II	Core	12
PL 111	Introduction to Critical Thinking and Argumentation		
AS 299	Practical Training (done during the long vacation)	Core	12
<b>Total Credits</b>			<b>72</b>

### Third Year

<b>Semester I</b>			
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 Econometrics	Core	12
<b>Total Credits</b>			<b>60</b>
<i>A Student May Choose Only One of the Following Courses:</i>			
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	Laboratory or 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	Elective	12
<b>Semester II</b>			
EC 374	Applied Quantitative Methods	Core	12
EC 376	Economic Policy, Planning and Programming III	Core	12
EC 381	Monetary Economics II	Core	12
EC 382	Public Finance III	Core	12
EC 383	International Economics II	Core	12
<b>Total Credits</b>			<b>60</b>
<b>Elective Courses</b>			
EC 377	Industrial and Production Economics II	Elective	12
EC 378	Transport Economics and Industrial Location II	Elective	12
EC 379	Agricultural Economics II	Elective	12

EC 380	Laboratory Economics and Human Resources II	Elective	12
EC 385	Natural Resources and International Economics II		
EC 387	Cost Benefit Analysis II	Elective	12
EC 391	Health Economics II	Elective	12
AS 221	Pan-African Thought and Practice II	Elective	12

## Bachelor of Arts in Economics and Statistics

### First Year

<b>Semester I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credit</b>
EC 116	Introductory Microeconomic Analysis I	Core	12
EC 117	Introductory Macroeconomic Analysis I	Core	12
ST 113	Basic Statistics	Core	12
ST 121	Analytical Calculus	Core	12
AS 102	Introduction to Social Science Research Methods	Core	12
DS 112	Development Perspective I	Core	12
<b>Total Credits</b>			<b>72</b>
<b>Semester II</b>			
EC 126	Introductory Microeconomic Analysis II	Core	12
EC 127	Introductory Macroeconomic Analysis II	Core	12
ST 114	Probability Theory I	Core	12
ST 122	Linear Algebra with Application	Core	12
DS 113	Development Perspectives II	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
<b>Total Credits</b>			<b>72</b>

### Second Year

<b>Semester I</b>			
EC 216	Intermediate Microeconomic Analysis I	Core	12
EC 217	Intermediate Macroeconomic Analysis I	Core	12
EC 219	Econometrics I	Core	12
ST 210	Probability Distributions I	Core	12
ST 215	Differential and Difference Equations	Core	12
<b>Total Credits</b>			<b>60</b>
<i>Students may choose only one of the following courses:</i>			
AS 220	Pan-African Thought and Practice I	Elective	12
AS 217	Introduction to Computers	Elective	12
ST 220	Basic Demography Models	Elective	12
FN 201	Introduction to Financial Services	Elective	12

<b>Semester II</b>			
EC 226	Intermediate Microeconomic Analysis II	Core	12
EC 227	Intermediate Macroeconomic Analysis II	Core	12
EC 229	Econometrics II	Core	12
ST 211	Probability Distribution II	Core	12
ST 212	Statistical Inference I	Core	12
PL 111	Introduction to Critical Thinking and Argumenta-	Core	12
AS 299	Practical Training (done during the long vacation)	Core	12
<b>Total Credits</b>			<b>72</b>

### Third Year

<b>Semester I</b>			
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 316	Statistical Quality Control	Core	12
ST 312	Stochastic Processes	Core	12
<b>Total Credits</b>			<b>72</b>
<i>Total Minimum Number of (Core) Credits for BA (Economics and Statistics) Programme: 412</i>			

## DEPARTMENT OF GEOGRAPHY

### Bachelor of Arts in Geography and Environmental Studies

#### First Year

<b>Semester I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credit</b>
GE 140	Introduction to Physical Geography	Core	12
GE 142	Spatial Organization	Core	12
GE 145	Introduction to Environmental Education	Core	12
AS 102	Introduction to Social Science Research Methods	Core	12
DS 112	Development Perspectives I	Core	12
CL 106	Communication Skills for Arts and Social Sciences	Core	12
<b>Total Credits</b>			<b>72</b>

<b>Semester II</b>			
GE 141	Climatology	Core	12
GE 143	Environmental Resources and Food Security	Core	12
GE 144	Surveying and Mapping Science	Core	12
AS 103	Social Science Research Methods	Core	12
DS 113	Development Perspectives II	Core	12
<b>Semester I</b>			
Code	Course Title	Status	Credit
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
<b>Total Credits</b>			<b>68</b>

### Second Year

<b>Semester I</b>			
GE 240	Soil Resources	Core	12
GE 242	Agricultural Systems and Location	Core	12
GE 244	Quantitative Techniques in Geography	Core	12
GE 250	Environmental Education and Conservation	Core	12
GE 251	Tourism and Leisure	Core	12
<i>A student may select one course from the following:</i>			
GE 243	Urban Systems	Elective	12
AS 217	Introduction to Computers	Elective	12
<b>Total Credits</b>			<b>72</b>
<b>Semester II</b>			
GE 241	Biogeography	Core	12
GE 245	Remote Sensing	Core	12
GE 246	Hydrometeorology	Core	12
GE 247	Population Studies	Core	12
<i>A student may select one or two courses from the following:</i>			
GE 248	Transport Systems	Elective	12
GE 252	Medical Geography	Elective	12
AS 299	Practical Training (done during the long vacation)	Core	12
<b>Total Credits</b>			<b>60</b>

### Third Year

<b>Semester I</b>			
GE 340	Water Resources Management	Core	12
GE 343	Population and Development	Core	12
GE 352	Natural Resources Management	Core	12
GE 353	Geographical Information Systems	Core	12
GE 249	Research Methods in Geography	Core	12

GE 249	Research Methods in Geography (Field conducted during short vacation) *	Core	-
<i>A student may select one or two courses from the following:</i>			
GE 347	Urban Transport Planning and Management	Elective	12
GE 348	Disaster Management	Elective	12
GE 344	Regional Development Planning	Elective	12
GE 355	Geography of Economic Inequalities	Elective	12
GE 399	Dissertation++	Elective	24
<b>Total Credits</b>			<b>72</b>
<b>Semester II</b>			
GE 350	Environmental Policy and Planning	Core	12
GE 351	Land Evaluation for Development Planning	Core	12
GE 354	Environmental Assessment	Core	12
<i>A student may select one or two courses from the following:</i>			
GE 342	Urban Planning and Management	Elective	12
GE 349	Contemporary Geography	Elective	12
GE 341	Agriculture and Rural Settlement	Elective	12
GE 346	Project Planning and Management	Elective	12
GE 345	Regional Development Planning in Tanzania	Elective	12
GE 399	Dissertation++	Elective	24
<b>Total</b>			<b>60</b>

## DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

### BA (Political Science and Public Administration)

#### First Year

<b>Semester I</b>			
<b>Code</b>	<b>Course title</b>	<b>Status</b>	<b>Credits</b>
PS110:	Introduction to Political Science I	Core	12
PS122	Political Thought I	Core	12*
DS112	Development Perspectives I	Core	12
AS102	Introduction to Social Science Research Methods I	Core	12
PL111	Introduction to Critical Thinking and Argumentation	Core	12
<i>A student must choose only one course from the following</i>			
PL100	Introduction to Philosophical Analysis	Elective	12
HI103	Capitalism and Imperialism in World History	Elective	12
EC116	Introductory Microeconomic Analysis I	Elective	12
EC117	Introductory Macroeconomic Analysis I	Elective	12
<b>Total Credits</b>			<b>68</b>

<b>Semester II</b>			
PS114	Political Thought II	Core	12*
PS113	Governments and Politics in Tanzania	Core	12
PS111	Introduction to Political Science II	Core	12
AS103	Introduction to Social Science Research Methods II	Core	12
DS112	Development Perspectives II	Core	12
CL106	Communication Skills for Arts and Social Sciences	Core	12
<b>Total Credits</b>			<b>72</b>

### Second Year

<b>Semester I</b>			
<b>Specialization I: Public Administration</b>			
PS220	Organization Theory	Core	12
PS231	African Political Thought	Core	12
PS232	Contemporary Politics in East Africa	Core	12
PS233	Introduction to Public Policy	Core	12
PS235	African Politics	Core	12
<i>A student may choose only one course from the following:</i>			
HI265	Neo-colonialism and Revolutionary Movements	Elective	12
AS220	PanAfricanism Thought and Practice I	Elective	12
AS217	Introduction to Computers	Elective	12
SO261	Social Planning and Administration	Elective	12
PL211	Theories of Social and Moral Philosophy	Elective	12
SO253	Quantitative Research Methods	Elective	12
<b>Specialization II: International Relations</b>			
PS220	Organization Theory	Core	12
PS222	International Relations I	Core	12
PS232	Contemporary Politics in East Africa	Core	12
PS233	Introduction to Public Policy	Core	12
PS235	African Politics	Core	12
<b>Total Credits</b>			<b>60</b>
<i>A student may choose only one course from the following</i>			
HI265	Neo-colonialism and Revolutionary Movements	Core	12
AS220	PanAfricanism Thought and Practice I	Core	12
AS217	Introduction to Computers	Core	12
SO261	Social Planning and Administration	Core	12
PL 211	Theories of Social and Moral Philosophy	Core	12
SO253	Quantitative Research Methods	Core	12
LL170	Advanced French I	Core	12



<b>Specialization III: Politics</b>			
PS220	Organization Theory	Core	12
PS231	African Political Thought	Core	12
PS233	Introduction to Public Policy	Core	12
PS235	African Politics	Core	12
PS222	International Relations I	Core	12
<b>Total Credits</b>			<b>60</b>
<i>A student may choose only one course from the following</i>			
HI265	Neo-colonialism and Revolutionary Movements	Elective	12
AS220	PanAfricanism Thought and Practice I	Elective	12
AS217	Introduction to Computers	Elective	12
SO261	Social Planning and Administration	Elective	12
PL211	Theories of Social and Moral Philosophy	Elective	12
SO253	Quantitative Research Methods	Elective	12
<b>Semester II</b>			
<b>Specialization I: Public Administration</b>			
PS236	Public Administration and Bureaucracies	Core	12
PS225	Local Government	Core	12
PS226	Legislature and Legislative Processes	Core	12
PS227	International organizations	Core	12
PS234	International Political Economy	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one course from the following</i>			
FN202	Introduction to Financial Management	Elective	12
AS221	PanAfricanism: Thought and Practice II	Elective	12
DS216	Social Services Delivery and Development	Elective	12
HI266	War and Warfare in World History	Elective	12
DS211	Entrepreneurship, SMEs and development	Elective	12
SO282	Qualitative Research Methods	Elective	12
<b>Total</b>			<b>72</b>
<b>Specialization II: International Relations</b>			
PS223	International Relations II	Core	12
PS224	Comparative Political Systems: Developing Areas	Core	12
PS227	International Organizations	Core	12
PS229	Basic Concepts in International Law	Core	12
PS234	International Political Economy	Core	12
<b>Total</b>			<b>60</b>

<i>A student may choose one course from the following:</i>			
FN202	Introduction to Financial Management	Elective	12
AS221	PanAfricanism: Thought and Practice II	Elective	12
DS212	Globalization and Development	Elective	12
HI 266	War and Warfare in World History	Elective	12
SO282	Qualitative Research Methods	Elective	12
LL 171	Advanced French II	Elective	12
<b>Specialization III: Politics</b>			
PS224	Comparative Political Systems: Developing Areas	Core	12
PS226	Legislature and Legislative Processes	Core	12
PS227	International Organizations	Core	12
PS234	International Political Economy	Core	12
PL212	Applied Philosophy and Development Ethics	Core	12
<b>Total Credits</b>			<b>60</b>
<i>A student may choose one course from the following:</i>			
FN202	Introduction to Financial Management	Elective	12
AS221	Pan Africanism: Thought and Practice II	Elective	12
DS212	Globalization and Development	Elective	12
HI 266	War and Warfare in World History	Elective	12
SO282	Qualitative Research Methods	Elective	12
AS299	Practical Training (during long vacation)	Core	12

### Third Year

<b>Semester I</b>			
<b>Specialization I: Public Administration</b>			
PS332	Theory and Politics of Development	Core	12
PS334	Human Rights: Theory and Practice	Core	12
PS337	Civil Society and the State	Core	12
PS361	Administrative Law	Core	12
PS352	Public Human Resource Management	Core	12*
<b>Total Credits</b>			<b>60</b>
<i>A student may choose one course from the following</i>			
PS344	Study of Selected Issues	Elective	12
EC370	Labour Economics and Human Resources	Elective	12
<b>Specialization II: International Relations</b>			
PS332	Theory and Politics of Development	Core	12

PS333	The Politics of North-South Relations	Core	12
PS345	Regional Integration	Core	12
PS337	Civil Society and the State	Core	12
PS350	African International Relations and Foreign Policy	Core	12
<b>Total Credits</b>			<b>60</b>
<i>A student may choose one course from the following</i>			
PS344	Study of Selected Issues	Elective	12
EC370	Labour Economics and Human Resources	Elective	12
LL270	Advanced French III	Elective	12
<b>Specialization III: Politics</b>			
PS332	Theory and Politics of Development	Core	12
PS333	The Politics of North-South Relations	Core	12
PS334	Human Rights: Theory and Practice	Core	12
PS337	Civil Society and the State	Core	12
PS361	Administrative Law	Core	12
<i>A student may choose one course from the following:</i>			
PS344	Study of Selected Issues	Elective	12
EC370	Labour Economics and Human Resources	Elective	12

### Third Year

<b>Semester II</b>			
<b>Specialization I: Public Administration</b>			
PS314	Public Finance Management	Core	12*
PS335	Democracy: Theory and Practice	Core	12
PS341	Public Administration in Tanzania	Core	12
PS349	Organizational Management and Development	Core	12
<i>A student must select one or two courses from the following:</i>			
PL311	Professional and Civic Ethics	Elective	12
HR308	Industrial Relations and Labour Law	Elective	12
PS399	Dissertation++	Elective	24
<b>Specialization II: International Relations</b>			
PS335	Democracy: Theory and Practice	Core	12
PS342	Gender and Politics in Africa	Core	12
PS346	Issues in International Law	Core	12
PS347	Peace Making and Conflict Resolution	Core	12
<i>A student must select one or two courses from the following:</i>			
PL311	Professional and Civic Ethics	Elective	12

HR308	Industrial Relations and Labour Law	Elective	12
LL276	Functional French I	Elective	12
PS399	Dissertation++	Elective	24
<b>Minimum Credits</b>			<b>60</b>
<b>Specialization III: Politics</b>			
PS335	Democracy: Theory and Practice	Core	12
PS341	Public Administration in Tanzania	Core	12
PS342	Gender and Politics in Africa	Core	12
PS347	Peace Making and Conflict Resolution	Core	12
<i>A student must select one or two courses from the following:</i>			
PL311	Processional and Civic Ethics	Elective	12
HR308	Industrial Relations and Labour Law	Elective	12
PS399	Dissertation++	Elective	24
<b>Total Credits</b>			<b>60</b>
<b>++A student who is invited to register PS 399 (Dissertation) which has 24 credits will have 72 credits. Total minimum number of (core) credits for BA (Political Science and Public Administration): 376.</b>			

## DEPARTMENT OF SOCIOLOGY

### B(A) (Sociology)

B.A. (Sociology and Anthropology) 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: Labor and Industrial Relations.

### First Year

<b>Semester I</b>			
<b>Code</b>	<b>Course title</b>	<b>Status</b>	<b>Credits</b>
SO116	Introduction to Sociology	Core	12*
AT100	Introduction to Anthropology	Core	12
AS102	Introduction to Social Science Research Methods	Core	12
PL 111	Introduction to Critical Thinking and Argumentation	Core	12
DS112	Development Perspectives I	Core	12
CL106	Communication Skills for Arts and Social Sciences	Core	12
<b>Total Credits</b>			<b>72</b>
<b>First Year: Semester II</b>			
SO110	Introduction to Classical Sociological Theories	Core	12
SO115	Introduction to Culture and Society	Core	12
SO118	Introduction to Cultural Anthropology	Core	12

AS103	Introduction to Quantitative Research Methods	Core	12
SO113	Social Structure of Tanzanian Society	Core	12
DS113	Development Perspectives II	Core	12
<b>Total Credits</b>			<b>72</b>

## Second Year

<b>Semester I</b>			
<b>Specialization I: Health and Population Studies</b>			
SO250	Classical Sociological Theories	Core	12
SO266	Anthropological Perspectives	Core	12
SO253	Quantitative Research Methods	Core	12
SO264	Introduction to Medical Sociology	Core	12
SO258	Family and Gender Relations: A Historical Perspective	Core	12
<b>Total Credits</b>			<b>60</b>

*A student may take one of the following course as an Elective for Specialization 1:*

HI270	Health Disease and Healing in the 19 <sup>th</sup> and 20 <sup>th</sup> Centuries in Africa	Elective	12
AS217	Introduction to Computers	Elective	12
AS220	Pan-African Thought and Practice I	Elective	12

### **Specialization 2: Social Policy and Administration**

SO250	Classical Sociological Theories	Core	12
SO266	Anthropological Perspectives	Core	12
SO253	Quantitative Research Methods	Core	12
SO268	Introduction to Social Work	Core	12
SO261	Introduction to Social Policy	Core	12
<b>Total Credits</b>			<b>60</b>

*A student may take one of the following courses for Specialization 2*

SO254	Sociology of Organization	Elective	12
AS220	Pan-African Thought and Practice I	Elective	12
PS236	Public Administration and Bureaucracies	Elective	12

### **Specialization 3: Community Development**

SO250	Classical Sociological Theories	Core	12
SO266	Anthropological Perspectives	Core	12
SO253	Quantitative Research Methods	Core	12
SO256	Rural Sociology	Core	12
SO279	Introduction to Community Development	Core	12
<b>Total Credits</b>			<b>60</b>

*A student may choose one of the following for Specialisation 3:*

SO276	Introduction to Urban Sociology	Elective	12
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AS220	Pan-African Thought and Practice I	Elective	12*
SO260	Social Planning and Administration	Elective	12
<b>Specialization 4: Labour and Industrial Relations</b>			
SO250	Classical Sociological Theories	Core	12
SO266	Anthropological Perspectives	Core	12
SO253	Quantitative Research Methods	Core	12
SO254	Sociology of Organization	Core	12
SO267	Introduction to Industrial Relations and Labour Legislation	Core	12
<b>Total Credits</b>			<b>60</b>
<i>A student may choose one of the following for Specialization 4</i>			
SO268	Introduction to Social Work	Elective	12
AS220	Pan-African Thought and Practice I	Elective	12
DS202	Science, Technology and Industrial Development	Elective	12
<b>Semester II</b>			
<b>Specialization 1: Health and Population Studies</b>			
SO251	Contemporary Sociological Theories	Core	12
SO284	Qualitative Research Methods	Core	12
SO280	Introduction to Social Psychology	Core	12*
SO265	Sociological Dimensions of Population Studies	Core	12
SO285	Introduction to Sociology of Sexuality	Core	12*
PT CoSS	Practical Training (CoSS)	Core	
<b>Total Credits</b>			<b>60</b>
<i>A student may choose one of the following for Specialization 1</i>			
SO277	Process of Urbanization in the Third World	Elective	12
AS221	Pan-African Thought and Practice II	Elective	12
<b>Specialization 2: Social Policy and Administration</b>			
SO251	Contemporary Sociological Theories	Core	12
SO284	Qualitative Research Methods	Core	12
SO261	Social Planning and Administration	Core	12
SO273	Social Policy Analysis	Core	12
WK 201	Social Work with Groups and Organizations	Core	12
PT CoSS	Practical Training (FASS)	Core	
<b>Total Credits</b>			<b>60</b>
<i>A student may choose one of the following for Specialization 2:</i>			
DS213	Planning, Public Policy and Development	Elective	12

DS214	Poverty and Development	Elective	12
AS221	Pan-African Thought and Practice II	Elective	12
<b>Specialization 3: Community Development</b>			
SO251	Contemporary Sociological Theories	Core	12
SO284	Qualitative Research Methods	Core	12
SO257	Sociology of Rural Development	Core	12
SO277	Process of Urbanization in The Third World	Core	12
SO260	Social Planning and Administration	Core	12
PT CoSS	Practical Training (CoSS)	Core	
<b>Total Credits</b>			<b>60</b>
<i>A student may choose one of the following for Specialization 3:</i>			
DS201	Rural Development and Agricultural Transformation	Elective	12
DS214	Poverty and Development	Elective	12
AS221	Pan-African Thought and Practice II	Elective	12
<b>Specialization 4: Labour and Industrial Relations</b>			
SO251	Contemporary Sociological Theories	Core	12
SO284	Qualitative Research Methods	Core	12
SO271	Labour Administration	Core	12
SO270	Sociology of Work and Industry	Core	12
SO274	Trade Unionism	Core	12
PT CoSS	Practical Training (CoSS)	Core	
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses for Specialization 4:</i>			
DS205	Labour Relations and Development	Elective	12
PS236	Public Administration and Bureaucracies	Elective	12
AS221	Pan-African Thought and Practice II	Elective	12

### Third Year

<b>Semester I</b>			
<b>Specialization I: Health and Population Studies</b>			
SO370	Sociology of Development	Core	12
SO398	Anthropology of Development	Core	12*
SO393	Society, Culture and Health	Core	12
SO346	Social Problems of Urbanization	Core	12
WK301	Social Work and Social Development	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses for Specialization I:</i>			

GE343	Population and Development	Elective	12
SO399	Dissertation++	Elective	24
<b>Specialization 2: Social Policy and Administration</b>			
SO370	Sociology of Development	Core	12
SO398	Anthropology of Development	Core	12*
SO380	Social Work Methods	Core	12
SO391	Social Security and Policy Schemes	Core	12
SO397	Community Development Theory and Practice	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses for Specialization 2:</i>			
WK301	Social Work and Social Development	Elective	12
GE343	Population and Development	Elective	12
SO399	Dissertation++	Elective	24
<b>Specialization 3: Community Development</b>			
SO370	Sociology of Development	Core	12
SO398	Anthropology of Development	Core	12*
SO396	Rural Cooperation in Tanzania	Core	12
SO397	Community Development Theory and Practice	Core	12
SO380	Social Work Methods	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose to take the following course for Specialization 3</i>			
PL311	Professional and Civic Ethics	Elective	12
SO391	Social Security and Policy Schemes	Elective	12
SO399	Dissertation++	Elective	24
<b>Specialization 4: Labour and Industrial Relations</b>			
SO370	Sociology of Development	Core	12
SO398	Anthropology of Development	Core	12*
SO374	Industrial Relations in Tanzania	Core	12
SO379	Theories of Industrial Democracy and Worker's Participation	Core	12
SO391	Social Security and Policy Schemes	Core	12
<b>Total</b>			<b>60</b>
<i>A student may choose one of the following courses for Specialization 4:</i>			
PL311	Professional and Civic Ethics	Elective	12
PS349	Organization and Management Development	Elective	12
SO399	Dissertation++	Elective	24
<b>Semester II</b>			
<b>Specialization I: Health and Population Studies</b>			



SO371	Contemporary Social Change and Culture	Core	12
SO372	Foundation of Sociology of Knowledge	Core	12
SO395	Anthropological Analysis of East African Populations	Core	12
SO392	Population and Reproductive Health	Core	12
SO384	Occupational Health and Safety	Core	12
<b>Total</b>			<b>60</b>
<i>A student must choose one or two of the following for Specialization 1:</i>			
SO312	Guidance and Counselling	Elective	12*
WK309	Social Work and Community Health	Elective	12
SO385	Human Ecology	Elective	12
SO399	Dissertation++	Elective	24
<b>Specialization 2: Social Policy and Administration</b>			
SO371	Contemporary Social Change and Culture	Core	12
SO372	Foundation of Sociology of Knowledge	Core	12
SO395	Anthropological Analysis of East African Populations	Core	12
SO384	Occupational Health and Safety	Core	12
WK307	Management of Social Welfare Organizations	Core	12
<b>Total</b>			<b>60</b>
<i>A student must choose one or two of the following for Specialization 2:</i>			
SO312	Guidance and Counselling	Elective	12
HR303	Managerial Skills Seminar	Elective	12
PS351	Legislatures and Legislative Processes	Elective	12
SO399	Dissertation++	Elective	24
<b>Specialization 3: Community Development</b>			
SO371	Contemporary Social Change and Culture	Core	12
SO372	Foundation of Sociology of Knowledge	Core	12
SO395	Anthropological Analysis of East African Populations	Core	12
SO385	Human Ecology	Core	12
SO312	Guidance and Counselling	Core	12
<b>Total</b>			<b>60</b>
<i>A student must choose one or two of the following for Specialization 3</i>			
SO378	Sociology of Religion	Elective	12
SO399	Dissertation++	Elective	24
<b>Specialization 4: Labour and Industrial Relations</b>			
SO371	Contemporary Social Change and Culture	Core	12
SO372	Foundation of Sociology of Knowledge	Core	12
SO395	Anthropological Analysis of East African Populations	Core	12
SO382	Collective Bargaining and Dispute Settlement	Core	12

SO384	Occupational Health and Safety	Core	12
<b>Total</b>			<b>60</b>
<i>A student must choose one or two of the following for Specialization 4</i>			
EC370	Labour Economics and Human Resources	Elective	12
SO399	Dissertation++	Elective	24
<b>++A student who is invited to register SO399 (Dissertation) which has 24 credits will have 72 credits. Total BA (Sociology) programme minimum number of credits required is 376.</b>			

## ANTHROPOLOGY UNIT

### Bachelor of Arts in Anthropology

#### First Year

<b>Semester I</b>				
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Semester</b>	<b>Credits</b>
AT100	Introduction to Anthropology	Core	I	12
AT 101	Introduction to Anthropological Methods	Core	I	12
AT102	Introduction to Kinship, Sex and Gender	Core	I	12
AS102	Introduction to Social Science Research Methods	Core	1	12
PL111	Introduction to Critical Thinking and Argumentation	Core	1	12
DS 112	Development perspectives I	Core	1	12
<b>Total Credits</b>				<b>72</b>
Elective Course				
AT104	The Anthropology of Magic, Witchcraft and Rituals	Elective	I	12
<b>Semester II</b>				
AT110	Introduction to Anthropological Theories	Core	II	12
SO115	Introduction to Culture and Society	Core	II	12
SO118	Introduction to Cultural Anthropology	Core	II	12
CL 106	Communication Skills for Arts and Social Sciences	Core	II	12
DS 113	Development Perspectives II	Core	II	12
AS 103	Introduction to Quantitative Research Methods	Core	II	12
<b>Total Credits</b>				<b>72</b>
AT111	Physical Anthropology and Human Evolution	Elective	II	12
AT112	Nomadic and Pastoral Societies in East Africa	Core	II	12

## Second Year

Code	Course Title	Status	Semester	Credits
<b>Specialization One: The Anthropology of Health</b>				
AT200	Advanced Anthropological Theories	Core	I	12
AT201	Ethnography as a Research Method and Text	Core	I	12
AT202	Introduction to Medical anthropology	Core	I	12
AT203	The Anthropology of Epidemiology	Core	I	12
SO 253	Quantitative Research Methods	Core	I	12
SO 266	Anthropological Perspectives	Core	I	12
AT205	Introduction to Gender and Anthropology	Core	II	12
AT206	The Anthropology of Death and After life	Elective	I	12
AT220	Urban Health	Core	II	12
SO284	Qualitative research	Core	II	12
AT221	Introduction to Gerontology	Core	II	12
PTCoSS	Practical Training	Core	II	12
AT222	The Anthropology of Hunger and Malnutrition in East Africa	Core	II	12
AT223	Anthropology of Religion	Elective	II	12
AT224	Sexuality and Reproductive Health	Elective	II	12

<b>Specialization Two: Society and Environment</b>				
Code	Course Title	Status	Semester	Credits
AT200	Advanced Anthropological Theories	Core	I	12
AT 201	Ethnography as a Research Method and Text	Core	I	12
AT 225	Cultural Ecology	Core	I	12
AT 226	Introduction to Environmental Anthropology	Core	I	12
AT 227	Land Tenure and Water Tenure in East Africa	Elective	I	12
AT 228	Mining and Conflict in East Africa	Elective	I	12
AT 229	People, The Environment and Development	Elective	1	12
AT230	Environmental Resource Use and Management	Core	II	12
AT231	Environment, Social Monitoring and Assessment	Core	II	12
SO284	Qualitative Research	Core	II	12
PT CoSS	Practical Training	Core	II	12

AT232	Horticultural and Peasant Communities in East Africa	Elective	II	12
AT233	Urbanization in East Africa	Elective	II	12
AT220	Urban Health	Elective	II	12
<b>Specialization Three: Political Anthropology</b>				
AT200	Advanced Anthropological Theories	Core	I	3
AT234	Ethnography as a Research Method and text	Core	I	3
AT235	Introduction to Political Anthropology	Core	I	3
AT236	Ethnicity, Identity and Politics	Core	I	3
AT237	Conflict and Religion in East Africa	Elective	I	3
AT238	Pre-Industrial and Colonial Wars	Elective	I	3
AT239	The Matrilineal Peoples of South Eastern Tanzania	Elective	I	3
PT CoSS	Practical Training	Core	II	12
AT240	The New Social movements in Urban Areas	Core	II	12
AT223	Anthropology of Religion	Core	II	12
AT233	Urbanization in East Africa	Core	II	12
AT241	Culture and Politics in East Africa	Core	I	12
AT205	Introduction to Gender and Development	Elective	II	12
AY201	Human Adaptations, Variations and Growth	Elective	II	12
AT243	Introduction to Linguistic Anthropology	Elective	II	12

### Third Year

<b>Specialization One: The Anthropology of Health</b>				
Code	Course Title	Status	Semester	Credits
SO398	Anthropology of Development	Core	I	12
AT301	Ageing, Health and Care	Core	I	12
AT300	Ethnographic Research and Writing	Core	I	12
AT399	Dissertation	Elective	I	12
SO 392	Population and Reproductive Health	Core	II	12
SO393	Society, Culture and Health	Core	I	12
SO397	Community Development Theory and Practices	Core	I	12
SO 346	Social Problems of Urbanization	Core	I	12
AT320	Global Health from an Anthropological Perspectives	Core	II	12
AT321	Emerging Social Problems	Core	II	12

AT322	Anthropology of Disability	Core	II	12
AT399	Dissertation	Core	II	24
SO384	Occupation, Health and Safety	Core	II	12
AT323	The Anthropology of Poverty in East Africa	Elective	II	12
AT324	Children and Youth in Contemporary Ethnography	Elective	II	12
<b>Specialization Two: Society and Environment</b>				
SO398	Anthropology of Development	Core	I	12
AT300	Ethnographic Research and Writing	Core	I	12
AT302	Political Ecology	Core	I	12
AT399	Dissertation	Elective	I	12
SO346	Social Problems and Urbanization	Elective	I	12
AT303	Primate Evolution	Elective	I	12
GE 330	Environmental Assessment and Management	Elective	I	12
AT325	Emerging Social Problems	Core	II	12
SO 385	Human Ecology	Core	II	12
SO395	Anthropological Aspects of East African Population	Core	II	12
AT399	Dissertation	Core	II	12
AT329	The Anthropology of Fishing Communities	Elective	II	12
AT327	Hunters and Gatherers in East Africa	Elective	II	12
AT323	Anthropology of Poverty in East Africa	Elective	II	12
<b>Specialization Three: Political Anthropology</b>				
SO398	Anthropology of Development	Core	I	12
AT300	Ethnographic Research and Writing	Core	I	12
AT304	Migration and the Diaspora	Core	I	12
AT399	Dissertation	Core	I	12
SO397	Community Development Theory and Practices	Elective	I	12
AT303	Primate Evolution	Elective	I	12
SO396	Rural Cooperation in Tanzania	Elective	I	12
AT325	Emerging Social Problems	Core	II	12
SO395	Anthropological Aspects of East African Population	Core	II	12
AY306	People and Cultures in Africa	Core	II	12
AT399	Dissertation	Core	II	12

AT327	Hunters and Gathers in EastAfrica	Elective	II	12
AT323	Anthropology of Poverty in EastAfrica	Elective	II	12
AT329	The Anthropology of Fishing Communities	Elective	II	12

**SOCIAL WORK UNIT**  
**Bachelor of Social Work (BSW)**

Code	Course Title	Status	Credits
<b>First Year: Semester I</b>			
DS112	Development Perspectives I	Core	8
CL106	Communication Skills for Arts and Social Sciences	Core	12
AS102	Introduction to Social Science Research I	Core	12
SO102	Introduction to Sociology	Core	12
WK101	Introduction to Social Work	Core	12
WK102	Field Practice Methods	Core	12
<b>Total Credits</b>			<b>68</b>
<b>First Year: Semester II</b>			
WK111	Social Welfare Policies and Services	Core	12
WK112	Generalist Social Work	Core	12
WK113	Social Work with Individuals and Families	Core	12
WK114	Psychology for Social Workers	Core	12
AS103	Social Science Research Methods II	Core	12
DS113	Development Perspectives II	Core	12
<b>Total Credits</b>			<b>72</b>

**Second Year**

<b>Semester I</b>			
WK201	Social Work with Groups and Organizations	Core	12
WK202	Social Work with Communities	Core	12
WK203	Social Work and the Law	Core	12
WK204	Integrated Field Practice Methods	Core	12
WK205	Social Work Research Methods	Core	12
WK206	Guidance and Counselling	Core	12
<b>Total Credits</b>			<b>72</b>
<b>Semester II</b>			
WK211	Ethics in Social Work Practice	Core	12
WK212	Social Security and Protection Systems	Core	12
WK213	Social Planning and Administration	Core	12

WK214	Social Work with People with Special Needs	Core	12
WK215	Social Policy Analysis	Core	12
WK216	Social Policy	Core	12
<b>Total Credits</b>			<b>72</b>

### Third Year

<b>Semester I</b>			
WK301	Social Work and Social Development	Core	12
AC102	Fundamentals of Accounting for Non-Business majors	Core	12
WK303	Social Work Practice in Emergency Situations	Core	12
WK304	Child and Family Welfare	Core	12
WK305	Human Behaviour and Social Environment	Core	12
WK306	Individual and Social Pathology	Core	12
<b>Total Credits</b>			<b>72</b>
<b>Semester II</b>			
WK307	Management of Social Welfare Organizations	Core	12
AC102	Fundamentals of Accounting for Non-Business Majors	Core	12
WK309	Social Work and Community Health	Core	12
WK362	Aging in a comparative Perspective	Core	12
WK399	Social Work Research Project	Core	24
GE346	Project Planning and Management	Core	12
<b>Total Credits</b>			<b>84</b>

### PSYCHOLOGY UNIT

This unit offers a 3-year bachelor degree programme in Psychology (Bachelor of Arts in Psychology (BA PSYC)). 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 73 credits per semester. The compulsory second year Practical Training (PT CoSS) which is taken during the long vacation for 8 weeks is not included in the minimum/maximum count of credits.

### Bachelor of Arts in Psychology (BAPSYC)

#### First Year

<b>Semester I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
PL111	Introduction to Critical Thinking and Argumentation	Core	12
DS112	Development Perspectives I	Core	12
AS102	Introduction to Social Science Research Methods	Core	12

PY100	Introduction to Psychology I	Core	12
PY102	Development Psychology I: Childhood	Core	12
PY106	Introduction to Social Psychology	Core	12
<b>Total</b>			<b>72</b>
CL106	Communication Skills for Arts and Social Sciences	Core	12
DS113	Development Perspectives II	Core	12
PY101	Introduction to Psychology II	Core	12
PY103	Learning and Behavioural Psychology	Core	12
PY104	Introduction to Counselling and psychotherapy	Core	12
PY107	Introduction to Psychology I	Core	12
<b>Total</b>			<b>72</b>

### Second Year

<b>Semester I</b>			
PY200	Development Psychology: Adolescence	Core	12
PY202	Psychology of Exceptional Children	Core	12
PY203	Introduction to Personality Psychology	Core	12
PY205	Practical Skills for Counselling and Psychotherapy	Core	12
PY208	Abnormal Psychology	Core	12
	Elective Courses (2)		
<b>Total</b>			<b>60</b>
<b>Semester II</b>			
PY201	Cognitive Psychology	Core	12
PY204	Introduction to Psychology II	Core	12
PY206	Health Psychology	Core	12
PY207	Work/ Organizational Psychology	Core	12
PY210	Counselling Practicum	Core	12
PY209	Career Guidance and Counselling	Core	12
SO285	Introduction to Sociology of Sexuality	Elective	12
<b>Total</b>			<b>72</b>

### Third Year

<b>Semester I</b>			
PY300	Research Methods in Psychology	Core	12
PY301	Community Psychology	Core	12
PY302	Psychological testing and Assessment	Core	12
PY303	Statistics and Data Analysis in Psychology	Core	12
	Students should choose at least e electives		24
<b>Total Credits</b>			<b>72</b>



<b>Semester II</b>			
PY304	Principles of Writing in Psychology	Core	12
PY305	Final Psychology Research Project	Core	12
PY309	Contemporary Issues in Counselling and Psychotherapy	Core	12
EP305	Introduction to Gender Psychology	Elective	12
SO392	Population and Reproductive Health	Elective	12
WK362	Aging in Contemporary Perspective	Elective	12
<b>Total</b>			<b>72</b>

## DEPARTMENT OF STATISTICS

### B. A. Statistics

#### First Year

<b>Semester I</b>			
<b>Code</b>	<b>Course title</b>	<b>Status</b>	<b>Credits</b>
ST113	Basic Statistics	Core	12
ST121	Analytical Calculus	Core	12
CL106	Communication Skills for Arts and Social Science	Core	12
DS112	Development Perspectives I	Core	12
PL111	Introduction to Critical Thinking and Argumentation	Core	12
<i>A Student should choose one of the following courses</i>			
AC100	Principles of Accounting I	Elective	12
EC116	Introductory Microeconomic Analysis I	Elective	12
EC117	Introductory Macroeconomic Analysis I	Elective	12
<b>Minimum required credits</b>			<b>72</b>
<b>Semester II</b>			
ST114	Probability Theory I	Core	12
ST118	Time Series and Index Numbers	Core	12
ST119	Operations Research I	Core	12
ST122	Linear Algebra with Application	Core	12
DS113	Development Perspectives II	Core	12
<i>A Student should choose one of the following courses:</i>			
AC101	Principles of Accounting II	Elective	12
EC126	Introductory Microeconomic Analysis II	Elective	12
EC127	Introductory Macroeconomics Analysis II	Elective	12
<b>Minimum required credits</b>			<b>72</b>

## Second Year

Semester I			
ST210	Probability Distributions I	Core	12
ST212	Statistical Inference I	Core	12
ST215	Differential and Difference Equations	Core	12
ST220	Basic Demography Models	Core	12
ST222	Operations Research II	Core	12
<i>A Student may choose one of the following courses</i>			
EC216	Intermediate Microeconomic Analysis I	Elective	12
EC217	Intermediate Macroeconomic Analysis I	Elective	12
AS217	Introduction to Computers	Elective	12
AS220	Pan-African Thought and Practice I	Elective	12
<b>Minimum required credits</b>			<b>60</b>
Semester II			
ST211	Probability Distribution II	Core	12
ST219	Applied Statistics II	Core	12
ST223	Non-parametric Statistics	Core	12
ST321	Regression Analysis	Core	12
<i>A Student may choose one of the following courses</i>			
ST221	Population Dynamics	Elective	12
ST217	Probability Theory II	Elective	12
EC226	Intermediate Microeconomics Analysis II	Elective	12
EC227	Intermediate Macroeconomic Analysis II	Elective	12
AS221	Pan-African Thought and Practice II	Elective	12
AS299	Practical Training (done during the long vacation)	Core	0
<b>Minimum required credits</b>			<b>60</b>

## Third Year

Semester I			
ST310	Statistical Inference II	Core	12
ST316	Statistical Quality Control	Core	12
ST317	Statistical Methods of Econometrics	Core	12
ST218	Applied Statistics I	Core	12
<i>A Student may choose one of the following courses:</i>			
ST319	Design & Analysis of Experiments	Elective	12
EC366	Economic Policy Planning and Programming I	Elective	12
EC374	Applied Quantitative Methods	Elective	12
ST326	Survival Models	Elective	12

ST327	Actuarial Modelling	Elective	12
<b>Minimum required credits</b>			<b>60</b>
<b>Semester II</b>			
ST311	Multivariate Normal Distribution	Core	12
ST312	Stochastic Processes	Core	12
ST318	Sampling Theory & Methodology	Core	12
ST324	Linear Models	Core	12
A Student may choose one of the following courses			
ST313	Non-linear Programming	Elective	12
EC384	Applied Econometrics	Elective	12
ST325	Mathematical Demography	Elective	12
<b>Minimum required credits</b>			<b>60</b>
<b>Total BA (Statistics) programme minimum number of (core) credits: 376.</b>			

## POPULATION STUDIES AND RESEARCH CENTRE (PSRC)

The Centre offers postgraduate studies only.

## INFORMATION STUDIES UNIT

### Bachelor of Arts in Library and Information Studies (BALIS)

#### First Year

<b>Semester I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
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 103	Library Operations	Core	12
CL 100	Communication Skills for Arts and Social Sciences	Core	8
DS 112	Development Perspectives I	Core	12
<b>Total Credits</b>			<b>64</b>
<b>Semester II</b>			
DS 113	Development Perspectives II	Core	12
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		
<b>Total Credits</b>			<b>64</b>

## Second Year

<b>Semester I</b>			
LS 200	Information and Communication Theory	Core	12
LS 201	Organization of Knowledge I	Core	12
LS 202	Collection Development and Management	Core	12
LS 203	Qualitative Research Methods in Information Science	Core	12
LS 204	Records Management and Archives Administration I	Core	12
	Selected Elective Course	Elective	8/12
<b>Total Credits</b>			<b>68/72</b>
<b>Semester II</b>			
LS 205	Organization of Knowledge II: Classification	Core	12
LS 206	Systems Analysis, Design and Evaluation	Core	12
LS 207	Records Management and Archives Administration II	Core	12
LS 208	Quantitative Research Methods in Information Science	Core	12
LS 209	Marketing of Library and Information Services	Core	12
	Selected Elective Course	Elective	8/12
<b>Total Credits</b>			<b>68/72</b>
<i>A student may choose at least one course from the following courses</i>			
MK 101	Principle of Marketing	Elective	12
FP 112	Fundamentals of graphic design	Elective	12
PL 111	Introduction to critical thinking and argumentation	Elective	12
FP 131	Fundamentals of print making	Electivesl	12
DS 211	Entrepreneurship, SME & Development	Elective	8
IS 258	PC Maintenance	Elective	8
LS 210	Digital libraries	Elective	8
CT 201	Educational media and technology	Elective	12
LS 211	Networking	Elective	8
LS 212	Information Services to Users with Special Needs	Elective	8
AS 217	Introduction to Computer	Elective	12

## Third Year

<b>Semester I</b>			
LS 300	Website Designing for Libraries	Core	12
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	
	Selected Elective Course	Elective	12
			8/12
			<b>68/72</b>
<b>Semester II</b>			
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 309	Independent Study	Core	12
	Selected Elective Course	Elective	8/12
			<b>68/72</b>
<i>A student may choose at least one course from the following courses</i>			
JO 210	Editing, layout and graphics	Elective	12
LS 310	Automation of Library and Information systems	Elective	8
LS 311	Preservation and Conservation of Library Resources	Elective	8
LS 312	Public Librarianship	Elective	8
GE 353	Geographical Information System	Elective	12
IS 334	Organization and Management of Information	Elective	8
MK 301	Entrepreneurship	Elective	8
MK 326	Marketing of services	Elective	8
AY 303	Introduction to Museum Studies	Elective	8
CO 305	New media technologies	Elective	8

### **Bachelor of Arts in Education**

- 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:

- Geography and Economics
- Geography and Political Science
- Geography and Kiswahili
- Political Science and Public Administration and Kiswahili
- History and Political Science and Public Administration
- Economics and Accountancy

- Compulsory University/College-wide courses

For BAED students the following are compulsory/college-wide

courses:	DS112 Development Perspectives I	12 credits
	DS113 Development Perspectives II	12 credits
	CL106 Communications Skills	12 credits

BAEd students are exempted from all other college-wide courses taken by CoSS students.

2. The School of Education offers two teaching method courses: CT 106 for those taking language subjects such as English, French or Kiswahili and CT 107 for those taking non-language subjects such as Geography, Political Science and Public Administration, Economics and Accountancy.
  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 college/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.
- 4.1 Following item No. 3 above, three scenarios are described, depending on the two Teaching Subjects combinations which a student may decide to take.
- (i) Language BAEd: Students choose teaching subjects 1 and 2 from language subjects. For the time being, these include Kiswahili.
  - (ii) Non-language BAEd: Students choose teaching subjects 1 and 2 from non-language subjects such as Geography, Political Science and Public Administration or Economics.
  - (iii) Language + Non-language BAEd Students choose one language subject and one non-language subject for instance Kiswahili and Geography.
- N.B. Students taking teaching subjects offered by CoSS e.g. Geography and Economics will be administratively under CoSS. Those taking subjects offered by CoHU will be under CoHU and those combining courses from CoHu and CoSS will be under CoHU.

4.2 It is particularly important to take note of the implications of the choice a student makes according to 4.1 above.

During Second Year-Semester I:

- (i) Language BAEd, i.e. students will take CT 106 in addition to EP 101 (24 credits)
- (ii) Non-Language BAEd students: Students will take CT 107 in addition to EP 101 (24 credits)
- (iii) Students who combine language and non-language subjects must take both CT 106 and CT 107, in addition to EP 101 (36 credits)

Table 1a guides the counting of credits and registration of courses for students who take two Language courses as two Teaching Subjects (have to take CT 106 and EP 101) and those students who decide to take two non-language subjects as teaching subjects (taking CT 107 and EP 101) during Second Year-Semester I.

**Table 1a: Case of Two Languages or Two Non-language Subjects**

Year of Study	Semester I	Credits	Semester II	Credits	Year Total
1 <sup>st</sup> Year	Teaching Subjects 1 (two courses)	24	Teaching Subjects 1 (two courses)	24	
	Teaching Subjects 2 (two courses)	24	Teaching Subjects 2 (one course)	12	
	EF 100	12	CT 100	12	
	D112	12	DS113	12	

			CL106	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
<b>2<sup>nd</sup> Year</b>	Teaching Subject1 (two courses)	24	TeachingSubject1 (two courses)	24	
	Teaching Subject2 (two courses)	24	TeachingSsubject2 (two courses)	24	
	CT 106orCT107	12	CT 200	12	
	EP 101	12	CT 201	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
<b>3<sup>rd</sup> Year</b>	Teaching Subjectt1(two courses)	24	TeachingSubject1 (two courses)	24	
	Teaching Subject2 (two courses)	24	TeachingSsubject2 (two courses)	24	
	EA 300	12	EF 303	12	
	EP 306	12	EP300	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
<b>Programme Total</b>					<b>432</b>

**Table1b: Distribution of credits for students taking one language and one arts subject as teaching subjects. These students have to take CT 106, CT 107 and EP 101.**

<b>Year of Study</b>	<b>Semester 1</b>	<b>Credits</b>	<b>Semester II</b>	<b>Credits</b>	<b>Year Total</b>
<b>1<sup>st</sup> Year</b>	Teaching Subject 1 (two courses)	24	Teaching Subject 1 (two courses)	24**	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2 (one course)	12**	
	EF 100	12	CT 100	12	
	DS112	12	DS113	12	
			CL106	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	<b>144</b>
<b>2<sup>nd</sup> Year</b>	Teaching Subject 1 (one course)	12**	Teaching Subject 1 (two courses)	24	
	Teaching Subject 2 (two courses)	24**	Teaching Subject 2 (two courses)	24	
	CT 106	12	CT 200	12	
	CT 107	12	CT 201	12	
	EP 101	12			
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	

<b>3<sup>rd</sup> Year</b>	Teaching Subject 1 (two courses)	24	Teaching Subject 1 (two courses)	24	
	Teaching Subject 2 (two courses)	24	Teaching Subject 2 (two courses)	24	
	EA 300	12	EF 303	12	
	EP 306	12	EP 300	12	
	<b>Sub-total</b>	<b>72</b>		<b>72</b>	
<b>Programme Total</b>					<b>432</b>

First Year Semester I: limit is 68 credits, because DS 112 has 8 credits.

\*\*First Year Semester II: Given the need to take DS 113, CL 106 and CT100 (accounting for 32 credits), Students are needed to take fewer credits in one of the content courses. That is, students will take two courses from one Teaching Subject and one course from the other, to get 36 credits which, when added to the 32 credits sum up to 68 credits.

\*\*Second Year – Semester I: Given that students who combine language and non-language subjects must take CT 106, CT 107 and EP 101, they need, during second year, semester I, to take 36 credits instead of 48 credits from the content subjects.

That is, students will take two courses from one Teaching Subject and one course from the other, to get 36 credits which, when added to the 36 credits sum up to 72 credits.

#### 4. Teaching Practice

All BAEd students must register for two Teaching Practices ‘practical courses’ (TP) administered by the School of Education.

- (i) Teaching Practice 1 (CT 101) during the long vacation after Semester II of 1<sup>st</sup> year (core, 12 credits)
- (ii) Teaching Practice II (CT 202) during the long vacation after Semester II of 2<sup>nd</sup> year (core, 12 credits)

Note: credits of these ‘practical courses’ are not counted in the 60-72 credits/semester bracket as they are offered outside the two class-room based semesters. Note that no one can graduate without passing both CT 101 and CT 202.

The course details are as follows:

#### CoSS Bachelor of Arts in Education Courses by Offering Departments

Code	Course Title	Status	Credits
<b>Department of Economics</b>			
<b>First Year: Semester I</b>			
EC 116	Introductory Microeconomic Analysis I	Core	12
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
EC 117	Introductory Macroeconomic Analysis I	Core	12
<b>First Year: Semester II</b>			
EC 126	Introductory Microeconomic Analysis II	Core	12
EC 127	Introductory Macroeconomic Analysis II	Core	12



<b>Second Year: Semester I</b>			
EC 216	Intermediate Microeconomic Analysis I	Core	12
EC 217	Intermediate Macroeconomic Analysis I	Core	12
<b>Second Year: Semester II</b>			
EC 226	Intermediate Microeconomic Analysis II	Core	12
EC 227	Intermediate Macroeconomic Analysis II	Core	12
<b>Third Year: Semester I</b>			
EC 371	Monetary Economics I	Core	12
EC 373	International Economics I	Core	12
<b>Third Year: Semester II</b>			
EC 381	Monetary Economics II	Core	12
EC 383	International Economics II	Core	12
<b>Department of Geography</b>			
<b>First Year: Semester I</b>			
GE 140	Introduction to Physical Geography	Core	12
GE 142	Spatial Organization	Core	12
<b>First Year: Semester II</b>			
GE 144	Surveying and mapping science	Core	12
GE 141	Climatology	Core	12
<b>Second Year: Semester I</b>			
GE244	Quantitative Methods in Geography	Core	12
GE145	Environmental Education	Core	12
<b>Second Year: Semester II</b>			
GE 241	Biogeography	Core	12
GE 247	Population Studies	Core	12
<b>Third Year: Semester I</b>			
GE 343	Population and Development		
GE 352	Natural Resources Management		
<b>Third Year: Semester II</b>			
GE 349	Contemporary Geography in Africa		
GE 341	Agriculture and Rural Settlements Planning		
<b>Department of Political Science and Public Administration</b>			
<b>First Year: Semester I</b>			
PS 110	Introduction to Political Science I	Core	12
PS 122	Political Thought I	Core	12
<b>First Year: Semester II</b>			

PS 111	Introduction to Political Science II	Core	12
PS 113	Government and Politics in Tanzania	Elective	12
<b>Second Year: Semester I</b>			
PS 231	African Political Thought	Core	12
PS 233	Introduction to Public Policy	Core	12
<b>Second Year: Semester II</b>			
PS 225	Local Government	Core	12
PS 226	Legislature and Legislative Processes	Core	12
<b>Third Year: Semester I</b>			
PS 334	Human Rights: Theory and Practice	Core	12
PS 337	Civil Society and the State	Core	12
<b>Third Year: Semester II</b>			
PS 341	Public Administration in Tanzania	Core	12
PS 335	Democracy: Theory and Practice	Core	12
<b>Department of Accounting</b>			
<b>First year: semester I</b>			
AC 100	Principles of Accounting I	Core	12
**ST 121	Analytical Calculus	Core	12
<b>First year: semester II</b>			
AC101	Principles of Accounting II	Core	12
<b>Second year: Semester I</b>			
AC 200	Management Accounting I		
AC201	Intermediate Accounting	Core	12
<b>Second year: semester II</b>			
AC 202	Management Accounting II	Core	12
AC206	Public Sector Accounting and Reporting	Core	12
<b>Third year: Semester I</b>			
AC 304	Advanced Financial Accounting	Core	12
AC 311	Corporate Governance and social Responsibility	Core	12
<b>Third year: Semester II</b>			
AC 313	Advanced Cost and management Accounting	Core	12
AC 309	Public sector Auditing and Investigations	Core	12
<b>Institute of Kiswahili Studies (TATAKI)</b>			
<b>Mwaka wa Kwanza: Semista ya I</b>			
KF102	Utangulizi wa Fasihi (simulizi na Andishi)	Lazima	12
KI107	Misingi ya Isimu	Lazima	12

<b>Mwaka wa Kwanza: Semista ya II</b>			
KF 103	Nadharia na Uhakiki wa Fasihi	Lazima	12
KI 108	Muundo wa Sentensi na Maana katika Kiswahili	Lazima	12
<b>Mwaka wa Pili: Semista ya I</b>			
KI 208	Fonolojia ya Kiswahili	Lazima	12
KF 202	Fasihi Andishi ya Kiswahili	Lazima	12
<b>Mwaka wa Pili: Semista ya II</b>			
KI 209	Mofolojia ya Kiswahili	Lazima	12
KF 203	Fasihi ya Watoto na Vijana	Lazima	12
<b>Mwaka wa Tatu: Semista ya I</b>			
KI 310	Sintaksia ya Kiswahili	Lazima	12
KF 302	Fasihi Simulizi ya Kiswahili na Kiafrika	Lazima	12
<b>Mwaka wa Tatu: Semista ya II</b>			
KI 311	Semantiki na Pragmatiki ya Kiswahili	Lazima	12
KF 303	Elimu-Mitindo ya Fasihi ya Kiswahili	Lazima	12
<b>School of Education</b>			
<b>First Year: Semester I</b>			
EF 100	Principles of Education	Core	12
<b>First Year: Semester II</b>			
CT 100	Introduction to Teaching	Core	12
CT 101	Teaching Practice (during long vacation) *	Core	12
<b>Second Year: Semester I</b>			
CT 106	Secondary Education Language Methods**	Core	12
CT 107	Social Science Education Methods**	Core	12
EP 101	Introduction to Educational Psychology	Core	12
<b>Second Year: Semester II</b>			
CT 200	Principles of Curriculum Development and Teaching	Core	12
CT 201	Educational Media and Technology	Core	12
CT 202	Teaching Practice (during long vacation) *	Core	12
<b>Third Year: Semester I</b>			
EA 300	Management of Education and School administration	Core	12
EP 306	Counselling and Special Needs Education	Core	12
<b>Third Year: Semester II</b>			
EF 303	Professionalism and Ethics in Education	Core	12
EP 300	Educational Measurement and Evaluation	Core	12

Note: \*these are done during long vacation, *i.e.*, outside the semester duration

\*\* CT 106 is for students doing Languages (English, French and Kiswahili). CT 107 is for students doing non-language subjects. Students whose teaching subjects

include language and social science subjects must take both CT 106 and CT 107, in addition to EP 101 ( see Table 6b above).

### **Teaching Practice**

BA (Education) students are supposed to undergo an eight weeks Teaching Practice during their first and second years of study usually during the long vacation. These courses, namely CT 101 for first years and CT 202 for second years are administered by the School of Education. Both are core courses and have 12 Credits each.

### **Practical Training**

CoSS organizes a practical training course (AS 299) for all second year students. The programme starts after the end of the second semester of the second year and lasts for eight weeks.

### **Assessment**

Assessment of AS 299 is based on the following distribution of marks:

Training officer's assessment	10%
Student's logbook	20%
Supervisor's report	10%
Written report	60%
Total	100%

AS 299 is assigned a letter grade ranging from A to E as per standard allocation. However, this grade has no unit points but a student must pass in order to graduate. A student who fails must undergo a supplementary practical training during the inter-semester vacation of the third year or any other time thereafter, provided it is within the maximum allowable registration time (currently 5 years).

### **Field Research Component**

A few courses have a field research component of duration of three weeks, specifically conducted during the inter-semester break of third year. These include the following:

<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Status</b>	<b>Department</b>
EC 384	Applied Econometrics	12	Core	Economics
GE 249	Research Methods in Geography	12	Core	Geography
ST 218	Applied Statistics I	12	Core	Statistics

## **CoSS STAFF LIST**

### **Office of the Principal**

*Associate Professor and Principal*

R. B. Lokina, BA, MA (Dar), PhD (Gothenburg)

*Lecturer and Deputy Principal*

V. T. Tilumanywa, BAEd, MA (Dar), PhD (Stellenbosch)

*Lecturer and Coordinator, Postgraduate Studies*

E. Palela-Makawa, BA, MA (Dar), PhD (Bremen)

*Lecturer and Coordinator, Research and Knowledge Exchange*

M. Chegere, BA, MA, (Dar), PhD, (Gothenburg)

*Lecturer and Coordinator Undergraduate Studies BAED*

M. Kabyemela, BA, MA, PhD (Dar)

*Lecturer and Coordinator Gender and Practical Training*

H. K. Mwendah, BA, MA, PhD (Dar)

*Lecturer and Examination and time Table Officer*

M. Dauda, BA (Dar), MSc (Lund), PhD (Kent)

*Quality Assurance Officer*

M. A. Shagembe, BA (Dar)

*Administrative officer*

N. G. Mwangota, BA (Dar)

### **Department of Economics**

*Senior Lecturer and Acting Head*

B. K. Mkenda, BA (Zambia), MA & MPhil (Sussex), PhD (Gothenburg)

*Associate Professors*

R. B. Lokina, BA, MA (Dar), PhD (Gothenburg)

D. Rwegasira, BA (EastAfrica), PhD (Harvard)

N. E. Osoro, BA, MA (Dar), MSc (Econ), PhD (Illinois)

H. Moshi, BAMA, MAFin (Dar), Doctor of Political Science (Munster)

\*\*A. F. Mkenda, BA, MA (Dar), PhD (Gothenburg)

M. O. Ndanshau, Dip., BA, MA, PhD (Dar)

L. Rutasitara, BA, MA, PhD (Dar)

K. Kulindwa, BA (Dar), MA (Columbia), PhD (Dar)

G. Kahyarara, BA, MA (Dar), Cert (Gothenburg), MPhil, PhD (Oxford)

*Senior Lecturers*

A. Kilindo, BA (Dar), Cert in New Institutional Economics (Connecticut), MA, PhD (Dar)

S. B. Likwelile, BA, MA, PhD (Dar)

N. Mwamba, BA, MA (Dar), PhD (Nottingham)

T. S. Nyoni, BA, MA, PhD (Dar)  
J. Shitundu, BA, MA, PhD (Dar)  
\*\*H. H. Mwinyimvua, BA, MA, PhD (Dar)  
H. H. Semboja, BAEd (Dar), Dip in International Politics (BuskerudFolkehogskole), MSc, BSc (Oslo), PhD (Gothenburg)  
\*\*J. K. Mduma, BA, MA (Dar), PhD (Bonn)  
B. K. Mkenda, BA (Zambia), MA & MPhil (Sussex), PhD (Gothenburg)  
J. Aikaeli, BA, MA, PhD (Dar)  
V. Leyaro, BA, MA (Dar), PhD (Nottingham)  
E. G. Luvanda, BA, MA, PhD (Dar)  
I. Karamagi, BA, MA (Dar), PhD (Alberta)

#### *Lecturers*

O. Selejio, BSc, MSc (Morogoro)  
K. Mdadila, BA, MA (Dar), PhD (Dublin)  
J. Silas, BA, MA (Dar), PhD (Dublin)  
S. L. Kirama, CertPhil (Ntungamo Seminary), BA, MA, PhD (Dar)  
O. Osoro, BA, MA (Gaborone), PhD (Dar)  
W. Ngasamiaku, BA, MA, PhD (Dar)  
J. Mtui, BA, MA, PhD (Dar)  
R. Ruhinduka, BA, MA (Dar), PhD (Gothenburg)  
G. Kibira, BA, MA (Dar)  
E. Kisanga, BA, MA, PhD (Dar)  
I. Pantaleo, BA, MA, PhD (Dar)  
M. Chegere, BA, MA, (Dar), PhD, (Gothenburg)

#### *Assistant Lecturers*

\*R. S. Taylor BA, MA (Dar)  
G. P. Lesseri, BA, MA (Dar)  
\*J. J. Hongoli, BA, MA (Dar)  
\*V. L. Mughwai, BA (UMC, USA), MA (UB, USA)  
J. J. Tibanywana, BA, MA (Dar)  
S. Nombo, BA, MSc (SUA)  
\*E. L. Mtenga, BA (Dar)  
W. C. Muangi, BA, MA (Dar)

#### *Tutorial Assistants*

L. B. Mpombo, BA, MA (Dar)  
L. Mimbi B. A. (Dar)

### **Department of Geography**

#### *Senior Lecturer and Head*

O. Kweka, BA, MA (Dar), PhD (Minnesota)

#### *Professors*

M. Mbonile, BA (Dar) MPhilDemo (Cairo), PhD (Liverpool)  
W. Rugumamu, BA, MA (Dar), MSc (Reading), PhD (Dar)  
\*\*S. S. Mwakalila, BSc, MSc (Morogoro), PhD (Kul)

### *Associate Professors*

S. Misana, BA, MA (Dar), PhD (Colorado)  
C. Noe, BA, MA (Dar) PhD (Cape Town)

### *Senior Lecturers*

C. Sokoni, BA, MA, PhD (Dar)  
P. Mwanukuzi, BSc (Dar) MSc (Manchester), PhD (Clark)  
O. Kweka, BA, MA (Dar), PhD (Minnesota)  
F. G. J. Ndumbaro, BA (Dar), MSc (Portsmouth), MPhil (Trondheim), PhD (Dar)  
H. Hambati, BA, MA, PhD (Dar)

### *Lecturers*

J. Kivelia, BA, MA, (Dar), PhD (London)  
C. M. P. William, BA, MA (Dar), PhD (Minnesota)  
D. Mwiturubani, BA, MA, PhD (Dar)  
E. Palela-Makawa, BA, MA (Dar), PhD (Bremen)  
V. T. Tilumanywa, BAEd, MA (Dar), PhD (Stellenbosch)  
G. Lema, BA, MA, PhD (Dar)  
A. Mwamfupe, BA, MA, PhD (Dar)  
Z. K. Zahor, BA, MA, PhD (Dar)  
D. Mlengule, BA, MA, PhD (Dar)  
J. Manahiri, BA, MA, PhD (Dar)  
E. Yamungu, BSc (Dar), MA (Dar), PhD (Stellenbosch)  
J. Sawe, BA, MA, PhD (Dar)

### *Assistant Lecturers*

W. Andindilile, BA, MA (Dar)  
\*J. Andrea, BA, MA (Dar)  
\*I. Koko, BA, MA (Dar)  
\*F. Namkesa, BA, MA (Dar)  
\*C. Mromba, BA (Dar) Msc (Nairobi)  
\*L. Joseph, BA (Dar), MA (Addis Ababa)  
\*P. Silvano, BA (Dar), MA (NTNU)  
\*S. Ibrahim, BA, MA (Dar)  
B. Rwelengera, BA, MA (Dar)  
E. Benedict, BA, MA (Dar)  
D. Anderson, BA, MSc (Dar)  
R. C. Msoka, BA, Msc (Aberdeen)  
D. Mwalutolo, BA, MA (Dar)  
E. Kamogo, BA, MA (Dar)  
G. Gosbert, BA, Msc (Dar)

### *Tutorial Assistants*

\*A. Mwageni, BA (Dar)

### *Cartographer*

Ms. S. G. Kileo BA (Dar)

## **Department of Political Science and Public Administration**

### *Senior Lecturer and Head*

N. Kamata, BA, MA, PhD (Dar)

### *Professors*

R. S. Mukandala, BA, MA (Dar), Cert. in New Institutional Economics, PhD (Berkeley)

### *Associate Professors*

D. Mukangara, BA, MA (Dar), Post. Grad. Dip. Law (Dar), PhD (ANU)

E. T. Mallya, BA, MA (Dar), PhD(Manchester)

A. Mhina, BA, MA (Dar), D.E.A (Grenoble), PhD (PAU)

A. Chaligha, BA, MA (Dar), PhD(Claremont)

B. Killian, BA, MA (Dar), PhD(UCLA)

\*\*M. A. Bakari, BA, MA (Dar), PhD(Hamburg)

\*\*\*A. B. Makulilo, BA (Dar), LLB (OUT), MA (Dar) PhD (Leipzig)

### *Senior Lecturers*

\*\*\*B. A. Bana, Dip. In Adult Ed. (IAE), BA, MA (Dar), PhD (Manchester)

B. Heilman, BA, MA (Pennsylvania), PhD (Indiana)

\*\*\*L. Ndumbaro, BA, MA (Dar), PhD (Florida)

N. Kamata, BA, MA, PhD (Dar)

R. A. Minja, BA, MA (Dar), PhD(Duisburg-Essen)

L. Ramadhani, BA, MA (Dar), PhD(UCD)

\*\*\*J. Jingu, BA, MA, PhD (Dar)

### *Lecturers*

L. Ramadhani, BA, MA (Dar), PhD(UCD)

\*\*\*B. Ally, BA, MA, PhD (Dar)

W. J. Walwa, BA, MA (Dar), MA (Univ. of Peace) (Costa Rica), PhD (Dar)

C. R. Sulley, BA, MA (Dar) PhD(Leipzig)

H. K. Mwendah, BA, MA, PhD (Dar)

A. Kweyamba, BA, MA (Dar)

M. J. Shangwe, BA, MA (Dar), PhD (East China Normal University)

R.B. Mbunda, BA, MA, PhD (Dar)

M. Kabyemela, BA, MA, PhD (Dar)

K. Munisi, BA, MA (Dar), PhD (Konstanz)

R. S. Damian, BA, MA, PhD (Dar)

\*R. Herry, BA, MA (Dar)

### *Assistant Lecturers*

\*\*\*E. Kipole, BA, MA (Dar)

\*G. Jeriko, BA (Dar), MA(UPEACE)

\*P. Enos, BA (Dar) MA (Korea)

E. Kondi, BA, MA (Dar)

\*S. Nyamsenda, BA, MA (Dar)

F. Nyella, BA, (Dar)

D. Kikoti, BA. (Dar)

L. Singo, BA. (Dar)

A. Munuo, BA. (Dar)



*Tutorial Assistants*

I. Noor, BA. (Dar)

I. Omary, BA (Dar)

**Department of Sociology**

*Senior Lecturer and Head*

H. Sigalla, BA, MA, PhD (Johannes Kepler)

*Senior Lecturer*

D. Rweyemamu, BA, MA, PhD (Dar)

H. Sigalla, BA, MA, PhD (Johannes Kepler)

M. Senga, BA, MA (Dar), PhD (UCD, Ireland)

*Lecturers*

G. Kamugisha, BA, MA, PhD (Dar)

M. Senga, BA, MA (Dar), PhD (UCD, Ireland)

J. Mgumia, BA (Albion), MA (Dar), PhD (Witwatersrand)

L. Mugisha, BA, MA, PhD (Dar)

A. Matogwa, BA, MA (Dar)

*Assistant Lecturers*

\*A. Tingira, BA, MA (Dar)

\*S. Mutebi, BA, MA (Dar)

E. Kamanyi, BA, MA (Dar)

Z. Ibrahim, BA, MA (Dar)

S. Kisiaya, BA, MA (Dar)

H. Yasini, BA, MA (Dar)

**Social Work Unit**

*Lecturer and Coordinator*

E. Moses BA, MA, PhD (Dar)

*Lecturer*

M. Trichal, BA, MA, PhD (NET India)

E. Moses BA, MA, PhD (Dar)

D. Mukono, BA, MA, PhD (Dar)

*Assistant Lecturer*

\*F. Herman, BA, MA (Dar)

**Anthropology Unit**

*Lecturer and Coordinator*

V. T. Simon, BA (Dar), MA (Bergen), PhD (Basel)

*Senior Lecturers*

R. Mwaipopo (BA, MA (Dar), PhD (Capetown)

N. Mhando, BA, MA (Dar), PhD (London)

F. R. Sambaiga, BA, MA (Dar), PhD (Basel)

M. Dauda, BA (Dar), MSc (Lund), PhD (Lent)

*Lecturers*

V. T. Simon, BA (Dar), MA (Bergen), PhD (Basel)

*Assistant Lectures*

E. Moronda BA (Dar)

**Psychology Unit**

*Assistant Lectures*

I. B. A. Mbata, BA (Gregorian), MA (Lumsa-Rome)

J. J. Kinanda, BA, MA (Dar)

S. P. Njenje, BA (Dar)

M. A. Shagembe, BA (Dar)

V.E. Temu, BA, MA (Dar)

*Tutorial Assistants*

V. Mallya, BA (Dar)

R. R. Matola

**Department of Statistics**

*Lecturer and Head*

A. S. Msengwa, BA, MA, PhD (Dar)

*Professors*

R. S. Katapa, BSc, MSc (Dar), MSc (Carleton), PhD (Toronto)

M. C. Y. Mbago, BA, MA (Dar), PhD (Liverpool)

R. J. Akarro, BA, MA (Dar), MSc (London), PhD (Dar)

*Senior Lecturers*

A. R. C. Mniachi, Dip. Ed, BSc, MA (Dar), PhD (Lancaster)

D. M. B. Rugaimukamu, BA, MA (Dar), MSc, PhD (Southampton)

F. J. Sichona, BSc, MA (Dar), PhD (NCSU)

*Lecturers*

A. S. Msengwa, BA, MA, PhD (Dar)

E. N. Mukyanuzi, BA, MA, PhD (Dar)

*Assistant Lecturers*

\*D. Mosha, BA, MA (Dar)

\*G. Baltazary, BA, MA (Dar)

\*D. Loiboo, BA, MA (Dar)

\*F. T. Faustin, BA, MA (Dar)

\*W. Aaron, BA, MA (Dar)

\*G. Saqware, BA, MA (Dar)

\*B. Thobias, BA, MA (Dar)

\*S. E. Kibona, BA (Dar)

\*B. Wilson, BA, MA (Dar)

E. Magwaja, BA, MA (Dar)

E. Rutaigwa, BA, MA (Dar)

J. Rashid, BSc (Dodoma), MA (Dar)  
E. Emmanuel, BSc (Dar), MSc (Crescent)  
\*C. Nziku, BA (Dar), MSc (Mysore)

*Tutorial Assistant*

\*W. Focus, BA (Dar)

**Population Studies and Research Centre**

*Coordinator*

A. Mwamfupe, BA, MA, PhD (Dar)

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\* On Study Leave

\*\*On Sabbatical Leave

\*\*\*On Leave of Absence/Secondment

## INTRODUCTION

The University of Dar es Salaam Business School (UDBS) comprises of four academic departments namely Accounting, Finance, Marketing and General Management. The School also has two service bureaus; the Career Advice, Placement and Practical Training Bureau and Management Development and Consultancy Bureau, a unit that offers consultancy services to the community.

The School offers: Bachelor of Commerce (BCom) and Bachelor of Business Administration (BBA), which is an evening programme. In the Bachelor of Commerce Programme, students may specialise in Accounting, Corporate Finance, Banking, Marketing, Tourism Management and Human Resources Management. The BBA is a general practical oriented programme.

### 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 and 2015*

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 point

The minimum Principal in this case is an 'E' grade.

(b) *For all applicants graduates of 2014 and 2015*

Two passes of a least '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 a 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 course work 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 course 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 will be allowed to take a supplementary project.
  - (d) A candidate failing in supplementary project shall repeat the project in the subsequent year by fulfilling all the necessary 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 Hospitality Management

(B) BBA Course Codes

- BAC Accounting related courses
- BEC Economics related courses
- BIM Management Science courses
- BFN Finance related courses
- BHN Human Resources related courses
- BMK Marketing related courses
- BP Project Work
- BIT Information Tech related courses

**DEPARTMENT OF ACCOUNTING**

**Bachelor of Commerce in Accounting**

**First Year**

<b>First Semester</b>				
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
DS 112	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
MK 100	Introduction to Business (Prerequisite Admissible into BCom)	12	1	Core
IM 100	Introduction to Information and Communications Technology (Prerequisite Admissible into BCom)	12	1	Core
AC 100	Principles of Accounting I (Prerequisite Admissible into BCom)	12	1	Core
<b>Total First Semester Credits</b>		<b>72</b>		
<b>Second Semester</b>				
FN 101	Principles of Macroeconomics Analysis (Prerequisite FN 100)	12	2	Core
AC 101	Principles of Accounting II (Prerequisite AC 100)	12	2	Core
DS 113	Development Perspectives II	12	2	Core
CL 108	Business Communication	12	2	Core
GM 100	Principles and Practice of Management (Prerequisite Admissible into BCom)	12	2	Core

MK 101	Principles of Marketing (Prerequisite MK 100)	12	2	Core
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total First Year Credits</b>		<b>144</b>		

## Second Year

<b>First Semester</b>				
AC 200	Management Accounting, I (Prerequisite AC 101)	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
AC 201	Intermediate Accounting (Prerequisite AC 101)	12	1	Core
HR 200	Organizational Behaviour (Prerequisite GM 100)	12	1	Core
AC 203	Computerized Accounting Applications (Prerequisite AC 101 and IM 100)	12	1	Core
<b>Total First Semester Credits</b>		<b>72</b>		
<b>Second Semester</b>				
AC 202	Management Accounting II (Prerequisite AC 101 and AC 200)	12	2	Core
IM 205	Business Research Methods (Prerequisite GM 100 and IM 200)	12	2	Core
GM 200	Business Law and Ethics (Prerequisite GM 100)	12	2	Core
AC 207	Taxation Theory and Practice (Prerequisite AC 101 and FN 101)	12	2	Core
AC 205	Introduction to Auditing and Assurance Services (Prerequisite AC 101)	12	2	Core
One Elective course from the Following:				
AC 206	Public Sector Accounting and Reporting (Prerequisite AC 101 and AC 200)	12	2	Elective
FN 202	Financial Management (Prerequisite FN 200)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Second Year Credits</b>		<b>144</b>		
	Field Practical with Research Component			

### Third Year

First Semester				
GM 333	Field Practical with Research Component	8	1	Core
GM 300	Strategic Management (Prerequisite GM 100)	12	1	Core
IM 305	Management Information System (Prerequisite IM 100)	12	1	Core
AC 304	Advanced Financial Accounting (Prerequisite AC 201)	12	1	Core
FN 300	International Business Finance (Prerequisite FN 101 and FN 202)	12	1	Core
AC 306	Advanced Auditing and Assurance Services (Prerequisite AC 205)	12	1	Core
One Elective course from the Following:				
AC 311	Corporate Governance and Social Responsibility (Prerequisite AC 201 and AC 205/AC 207)	12	1	Elective
MK 336	Business Planning (Prerequisite AC 101, FN 101 and MK 101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>80</b>		
Second Semester				
MK 301	Entrepreneurship (Prerequisite MK 100)	12	2	Core
AC 313	Advanced Cost and Management Accounting (Prerequisite AC 202)	12	2	Core
MK 326	Marketing of Services (Prerequisite MK 101)	12	2	Core
MK 324	Management Consulting Skills (Prerequisite GM 100)	12	2	Core
AC 307	Advanced Taxation (Prerequisite AC 207)	12	2	Core
One Elective course from the following:				
AC 308	Forensic Accounting and Fraud Investigations (Prerequisite AC 205)	12	2	Elective
AC 309	Public Sector Auditing and Investigations (Prerequisite AC 206)	12	2	Elective
FN301	Financial Analysis (Prerequisite FN 202 and AC 202)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Third Year Credits</b>		<b>152</b>		
<b>Total BCom in Accounting Degree Credits</b>		<b>440</b>		



**DEPARTMENT OF FINANCE**

**Bachelor of Commerce in  
Finance First Year**

<b>First Semester</b>				
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
DS 112	Development Perspectives I	12	1	Core
FN 100	Principles of Microeconomic Analysis (Prerequisite Admissible into BCom)	12	1	Core
<b>First Semester</b>				
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
IM 102	Business Mathematics (Prerequisite Admissible into BCom)	12	1	Core
IM 100	Introduction to 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
<b>Total First Semester Credits</b>		<b>72</b>		
GM 100	Principles and Practice of Management (Prerequisite Admissible into BCom)	12	2	Core
FN 101	Principles of Macroeconomics Analysis (Prerequisite FN100)	12	2	Core
AC 101	Principles of Accounting II (Prerequisite AC100)	12	2	Core
MK 101	Principles of Marketing (Prerequisite MK 100)	12	2	Core
DS 113	Development Perspectives II	12	2	Core
CL 108	Business Communication	12	2	Core
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total First Year Credits</b>		<b>144</b>		

**Second Year**

<b>First Semester</b>				
AC 200	Management Accounting, I (Prerequisite AC 101)	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
MK 213	Consumer Behavior (Prerequisite MK 100)	12	1	Core
	One Elective from the Following			
MK 222	Sales Management (Prerequisite MK 100)	12	1	Elective
FN 211	Financial Markets (Prerequisite AC101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>72</b>		

## Second year

<b>First Semester</b>				
IM 200	Quantitative Methods for Business Decisions (Prerequisite IM102)	12	1	Core
AC 200	Management Accounting, I (Prerequisite AC101)	12	1	Core
FN 200	Principles of Finance (Prerequisite AC100)	12	1	Core
FN201	Introduction to Financial Services (Prerequisite fN101)	12	1	Core
Two Elective courses from the Following:				
Leasing Management				
FN208	Risk Management and Insurance (Prerequisite FN101)	12	1	Elective
AC201	Intermediate Accounting (Prerequisite AC101)	12	1	Elective
Corporate Finance				
AC201	Intermediate Accounting (Prerequisite AC101)	12	1	Elective
FN211	Financial Markets (Prerequisite AC101)	12	1	Elective
FN210	Bank Operations (Prerequisite FN101)	12	1	Elective
FN211	Financial Markets (Prerequisite AC101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>48</b>		
<b>Second Semester</b>				
GM 200	Business Law and Ethics (Prerequisite GM 100)	12	2	Core
AC 202	Management Accounting II (Prerequisite AC101 and AC 200)	12	2	Core
IM 205	Business Research Methods (Prerequisite GM100 and IM 200)	12	2	Core

FN 202	Financial Management (Prerequisite FN 200)	12	2	Core
Two Elective courses from the following:				
Leasing Management				
FN 206	Leasing Management (Prerequisite FN200)	12	2	Elective
FN 211	Financial Markets (Prerequisite AC101)	12	2	Elective
AC 207	Taxation Theory and Practice (Prerequisite AC101 and FN101)	12	2	Elective
Corporate Finance				
FN 206	Leasing Management (Prerequisite FN200)	12	2	Elective
AC 205	Introduction to Auditing and Assurance Services (Prerequisite AC101 and AC 202)	12	2	Elective
FN 207	Personal Finance (Prerequisite FN200)	12	2	Elective
AC 207	Taxation Theory and Practice (Prerequisite AC101 and FN101)	12	2	Elective
Financial Markets				
FN212	Microfinance (Prerequisite FN200)	12	2	Elective
FN207	Personal Finance (Prerequisite FN200)	12	2	Elective
MK 201	International Marketing (Prerequisite MK100)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Second Year Credits</b>		<b>144</b>		
	Field Practical with Research Component			

### Third Year

<b>First Semester</b>				
GM 300	Strategic Management (Prerequisite GM100)	12	1	Core
FN 310	Investment Analysis (Prerequisite FN202)	12	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
Two Elective courses from the following:				
Corporate Finance				
AC 304	Advanced Financial Accounting (Prerequisite AC 201)	12	1	Elective

FN 304	Bank Financial Management (Prerequisites FN 202 and FN 210)	12	1	Elective
AC 311	Corporate Governance and Social Responsibility (Prerequisite AC 201 and AC 205/AC 207)	12	1	Elective
AC306	Advanced Auditing and Assurance Services (Prerequisite AC205)	12	1	Elective
MK 336	Business Planning (Prerequisite AC101, FN101 and MK101)	12	1	Elective
Financial Markets				
IM305	Management Information Systems (Prerequisite IM100)	12	1	Elective
MK 336	Business Planning (Prerequisite AC101, FN101 and MK101)	12	1	Elective
Leasing Management				
FN320	Legal Issues on Leasing (Prerequisite FN206)	12	1	Elective
MK 336	Business Planning (Prerequisite AC101, FN101 and MK101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>80</b>		
MK 301	Entrepreneurship (Prerequisite MK100)	3	2	Core
FN301	Financial Analysis (Prerequisite FN202 and AC202)	3	2	Core
FN307	Treasury Management (Prerequisite FN202 and FN211)	3	2	Core
FN319	Advanced Security Analysis and Portfolio Management (Prerequisite FN202)	3	2	Core
Two Elective courses from the following:				
Corporate Finance				
FN312	Financial Management Special Topics (Prerequisite FN202)	12	2	Elective
IM341	Operations Research Techniques (Prerequisite IM200)	12	2	Elective
IM303	Procurement Management (Prerequisite Admissible into BCom)	12	2	Elective
Financial Markets				
FN309	Development and Investment Banking (Prerequisite FN202 and FN212)	12	2	Elective
FN312	Financial Management Special Topics (Prerequisite FN202)	12	2	Elective

IM341	Operations Research Techniques (Prerequisite IM200)	12	2	Elective
MK 324	Management Consulting Skills (Prerequisite GM100)	12	2	Elective
Leasing Management				
FN313	Government and International Leasing (Prerequisite FN206)	12	2	Elective
FN306	Lending Management (Prerequisite FN202 and FN210)	12	2	Elective
AC307	Advanced Taxation (Prerequisite AC207)	12	2	Elective
FN312	Financial Management Special Topics (Prerequisite FN202)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Third Year Credits</b>		<b>152</b>		
<b>Total BCom in Finance Degree Credits</b>		<b>440</b>		

### Bachelor of Commerce in Banking and Financial Services First Year

<b>First Semester</b>				
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
DS112	Development Perspectives I	12	1	Core
FN100	Principles of Microeconomic Analysis (Prerequisite Admissible into BCom)	12	1	Core
IM102	Business Mathematics (Prerequisite Admissible into BCom)	12	1	Core
MK 100	Introduction to Business (Prerequisite Admissible into BCom)	12	1	Core
IM100	Introduction to Information and Communications Technology (Prerequisite Admissible into BCom)	12	1	Core
AC100	Principles of Accounting I (Prerequisite Admissible into BCom)	12	1	Core
<b>Total First Semester Credits</b>		<b>72</b>		
<b>Second Semester</b>				
GM100	Principles and Practice of Management (Prerequisite Admissible into BCom)	12	2	Core
CL108	Business Communication	12	2	Core
FN101	Principles of Macroeconomics Analysis (Prerequisite FN 100)	12	2	Core
MK 101	Principles of Marketing (Prerequisite MK100)	12	2	Core

DS113	Development Perspectives II	12	2	Core
AC101	Principles of Accounting II (Prerequisite AC 100)	12	2	Core
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total First Year Credits</b>		<b>144</b>		

## Second Year

<b>First Semester</b>				
IM200	Quantitative Methods for Business Decisions (Prerequisite IM102)	12	1	Core
AC200	Management Accounting, I (Prerequisite AC 101)	12	1	Core
FN200	Principles of Finance (Prerequisite AC100)	12	1	Core
FN201	Introduction to Financial Services (Prerequisite FN101)	12	1	Core
FN210	Bank Operations (Prerequisite FN101)	12	1	Core
One Elective course from the following:				
AC201	Intermediate Accounting (Prerequisite AC101)	12	2	Elective
FN208	Risk Management and Insurance (Prerequisite FN101)	12	2	Elective
<b>Total First Semester Credits</b>		<b>72</b>		
<b>Second Semester</b>				
GM200	Business Law and Ethics (Prerequisite GM100)	12	2	Core
AC202	Management Accounting II (Prerequisite AC101 and AC200)	12	2	Core
IM205	Business Research Methods (Prerequisite GM100 and IM200)	12	2	Core
FN202	Introduction to Financial Management (Prerequisite FN 200)	12	2	Core
FN212	Microfinance (Prerequisite FN200)	12	2	Core
One Elective course from the following:				
FN206	Leasing Management (Prerequisite FN200)	12	2	Elective
FN207	Personal Finance (Prerequisite FN200)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Second Year Credits</b>		<b>144</b>		
	Field Practical with Research Component			

<b>Third Year</b>				
<b>First Semester</b>				
GM333	Field Practical with Research Component	8	1	Core
GM300	Strategic Management (Prerequisite GM100)	12	1	Core
FN310	Investment Analysis (Prerequisite FN202)	12	1	Core
FN300	International Business Finance (Prerequisite FN101 and FN202)	12	1	Core
FN302	Security Analysis and Portfolio Management (Prerequisite FN 202)	12	1	Core
FN304	Bank Financial Management (Prerequisite FN202 and FN210)	12	1	Core
One Elective course from the following:				
IM305	Management Information Systems	12	2	Elective
MK336	Business Planning (Prerequisite AC101, FN101 and MK101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>80</b>		
<b>Second Semester</b>				
MK301	Entrepreneurship (Prerequisite MK100)	12	2	Core
FN303	Law Related to Banking and Financial Services (Prerequisite FN210)	12	2	Core
FN306	Lending Management (Prerequisite FN202 and FN210)	12	2	Core
FN307	Treasury Management (Prerequisite FN202 and FN211)	12	2	Core
MK326	Marketing of Services (Prerequisite MK100 and MK101)	12	2	Core
One Elective course from the following:				
FN309	Development and Investment Banking (Prerequisite FN202 and FN212)	12	3	Elective
MK324	Management Consulting Skills (Prerequisite GM100)	12	3	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Third Year Credits</b>		<b>152</b>		
<b>Total BCom in Banking and Financial Services Degree Credits</b>		<b>440</b>		

**DEPARTMENT OF MARKETING**

**Bachelor of Commerce in  
Marketing First Year**

Code	Course Title	Credits	Semester	Status
<b>First Semester</b>				
DS 112	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	Introduction to 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
<b>Total First Semester Credits</b>		<b>72</b>		
GM 100	Principles and Practice of Management (Prerequisite Admissible into BCom)	12	2	Core
FN 101	Principles of Macroeconomics Analysis (Prerequisite FN100)	12	2	Core
AC 101	Principles of Accounting II (Prerequisite AC100)	12	2	Core
MK 101	Principles of Marketing (Prerequisite MK100)	12	2	Core
DS 113	Development Perspectives II	12	2	Core
CL 108	Business Communication	12	2	Core
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total First Year Credits</b>		<b>144</b>		

**Second Year**

<b>First Semester</b>				
AC 200	Management Accounting I (Prerequisite AC 101)	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
MK 213	Consumer Behavior (Prerequisite MK 100)	12	1	Core



	One Elective from the Following			
MK 221	Marketing Communication	12	1	Elective
MK 222	Sales Management (Prerequisite MK 100)	12	1	Elective
FN 211	Financial Markets (Prerequisite AC 101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>72</b>		
AC 202	Management Accounting II (Prerequisite AC 101 and AC 200)	12	2	Core
IM 205	Business Research Methods (Prerequisite GM 100 and IM 200)	12	2	Core
GM 200	Business Law and Ethics (Prerequisite GM 100)	12	2	Core
MK 223	Distribution and Logistics Management (Prerequisite MK 101)	12	2	Core
MK 201	International Marketing (Prerequisite MK 100)	12	2	Core
One Elective course from the following:				
MK 225	Industrial Marketing (Prerequisite Admissible into BCom)	12	2	Elective
FN 207	Personal Finance (Prerequisite FN 200)	12	2	Elective
FN 206	Leasing Management (Prerequisite FN 200)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Second Year Credits</b>		<b>144</b>		
	Field Practical with Research Component			

### Third Year

<b>First Semester</b>				
GM 333	Field Practical with Research Component	8	1	Core
GM 300	Strategic Management (Prerequisite GM 100)	12	1	Core
HR 204	Principles and Practices of Human Resources Management (Prerequisite GM 100)	12	1	Core
MK 322	Marketing Research (Prerequisite MK 101)	12	1	Core
MK 327	Pricing Decisions (Prerequisite MK 100 and AC 202)	12	1	Core
MK 323	E-Marketing (Prerequisite MK 101)	12	1	Core
One Elective course from the following:				

MK 325	Publicity and Public Relations (Prerequisite MK 101 and CL 108)	12	1	Elective
IM 305	Management Information System (Prerequisite IM 100)	12	1	Elective
MK 333	Marketing Events and Trends (Prerequisite Admissible into BCom)	12	1	Elective
MK 336	Business Planning (Prerequisite AC 101, FN 101 and MK 101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>80</b>		
<b>Second Semester</b>				
MK 300	Strategic Marketing (Prerequisite MK100 and GM100)	12	2	Core
MK 301	Entrepreneurship (Prerequisite MK100)	12	2	Core
MK 326	Marketing of Services (Prerequisite MK101)	12	2	Core
MK 324	Management Consulting Skills (Prerequisite GM100)	12	2	Core
MK 330	Relationship Marketing (Prerequisite Admissible into BCom)	12	2	Core
	One Elective from the Following			
MK 329	Social Marketing (Prerequisite MK 100, MK 101 and CL 108)	12	2	Elective
MK 332	Advertising and Sales Promotion (Prerequisite MK100 and MK 221)	12	2	Elective
MK 331	Product Development and Brand Management (Prerequisite MK 100)	12	2	Elective
MK 334	Agricultural Marketing (Prerequisite MK 222 and MK 221)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Third Year Credits</b>		<b>152</b>		
<b>Total BCom in Marketing Degree Credits</b>		<b>440</b>		

### Bachelor of Commerce in Tourism Management First Year

<b>First Semester</b>				
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
FN100	Principles of Micro Economic Analysis (Prerequisite Admissible into BCom)	12	1	Core
DS112	Development Perspectives I	12	1	Core

IM100	Introduction to Information and Communication Technology (Prerequisite Admissible into BCom)	12	1	Core
MK100	Introduction to Business (Prerequisite Admissible into BCom)	12	1	Core
AC100	Principles of Accounting I (Prerequisite Admissible into BCom)	12	1	Core
IM102	Business Mathematics and Statistics (Prerequisite Admissible into BCom)	12	1	Core
<b>Total First Semester Credits</b>		<b>72</b>		
GM100	Principles and Practice of Management (Prerequisite Admissible in to BCom)	12	2	Core
CL108	Business Communication	12	2	Core
FN101	Principles of Macroeconomics Analysis (Prerequisite FN100)	12	2	Core
MK101	Principles of Marketing (Prerequisite MK100)	12	2	Core
DS113	Development Perspectives II	12	2	Core
AC101	Principles of Accounting II (Prerequisite AC100)	12	2	Core
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total First Year Credits</b>		<b>144</b>		

## Second Year

<b>First Semester</b>				
FN 200	Principles of Finance	12	1	Core
GM 200	Introduction to Business Law and Ethics	12	1	Core
IM 200	Quantitative Methods for Business Decisions	12	1	Core
TH 211	Introduction to Hospitality Management	12	1	Core
TH 212	Consumer Behavior in Tourism	12	1	Core
<b>Total First Semester Credits</b>		<b>72</b>		
TH 213	Nature Based Tourism	12	2	Core
TH 214	Tour Guiding and Interpretation	12	2	Core
TH 215	Tourism Marketing	12	2	Core
IM 205	Business Research Methods	12	2	Core
	And one of the following			
TH 216	Leisure and Recreation Management	12	2	Elective
TH 217	Global Tourism	12	2	Elective
MK 201	International Marketing	12	2	Elective

<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Second Year Credits</b>		<b>144</b>		
	Field Practical with Research Component			
<b>Third Year</b>				
<b>First Semester</b>				
GM333	Field Practical with Research Component	8	1	Core
GM 300	Strategic Management	12	1	Core
MK 301	Entrepreneurship	12	1	Core
TH 310	Tourism Transportation Management	12	1	Core
TH 303	Tourism and Hospitality Marketing	12	1	Core
TH 312	Tourism Policy and Planning	12	1	Core
Two Elective causes from the following:				
MK 336	Business Planning	12	1	Elective
HR 201	Human Resource Management	12	1	Elective
EC 375	Natural Resources and Environmental Economics I	12	1	Elective
TH 304	Sustainable Tourism Development	12	1	Elective
<b>Total First Semester Credits</b>		<b>80</b>		
<b>Second Semester</b>				
TH 301	Advanced Tourism Management	12	2	Core
TH 314	Destination Marketing and Branding	12	2	Core
TH 315	Management of Tourism Operations	12	2	Core
TH 316	e-Tourism	12	2	Core
Two Elective courses from the following:				
MK 330	Relationship Marketing	12	2	Elective
TH 317	Cultural and Heritage Tourism	12	2	Elective
TH 302	Events Management	12	2	Elective
TH 318	Tourism Corporate Social Responsibility and Governance	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Third Year Credits</b>		<b>152</b>		
<b>Total BCom in Tourism Management Degree Credits</b>		<b>440</b>		

**DEPARTMENT OF GENERAL MANAGEMENT**

**Bachelor of Commerce in Human Resources Management**

**First Year**

<b>First Semester</b>				
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
DS 112	Development Perspectives I	12	1	Core
FN 100	Principles of Microeconomic Analysis (Prerequisite Admissible)	12	1	Core
IM102	Business Mathematics (Prerequisite Admissible into)	12	1	Core
IM 100	Introduction to Information and Communications Technology (Prerequisite Admissible into)	12	1	Core
AC 100	Principles of Accounting I (Prerequisite Admissible into (BCom))	12	1	Core
MK 100	Introduction to Business (Prerequisite Admissible into)	12	1	Core
<b>Total First Semester Credits</b>		<b>72</b>		
<b>Second Semester</b>				
GM 100	Principles and Practice of Management (Prerequisite Admissible)	12	2	Core
FN 101	Principles of Macroeconomics Analysis (Prerequisite FN 100)	12	2	Core
AC 101	Principles of Accounting II (Prerequisite AC 100)	12	2	Core
MK 101	Principles of Marketing (Prerequisite MK 100)	12	2	Core
DS 113	Development Perspectives II	12	2	Core
CL 108	Business Communication	12	2	Core
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total First Year Credits</b>		<b>144</b>		

**Second Year**

<b>First Semester</b>				
AC 200	Management Accounting I (Prerequisite AC 101)	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 204	Principles and Practices of Human Resources Management (Prerequisite GM 100)	12	1	Core
HR 200	Organization Behaviour (Prerequisite GM 100)	12	1	Core
MK 223	Distribution and Logistics Management (Prerequisite MK 101)	12	1	Core
<b>Total First Semester Credits</b>		<b>72</b>		

<b>Second Semester</b>				
AC 202	Management Accounting II (Prerequisite AC 101 and AC 200)	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 205	Compensation Management (Prerequisite GM 100)	12	2	Core
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Second Year Credits</b>		<b>144</b>		
	Field Practical with Research Component			

<b>Third Year</b>				
<b>First Semester</b>				
GM 333	Field Practical with Research Component	8	1	Core
GM 300	Strategic Management (Prerequisite GM 100)	12	1	Core
HR 310	Human Resources Management Economics (Prerequisite FN 101)	12	1	Core
HR 311	Laboratory your Law (Prerequisite HR 200 and HR 202)	12	1	Core
HR 312	Organization Development (Prerequisite GM 100 and HR 200)	12	1	Core
HR 313	Organizational Theory and Design (Prerequisite HR 200)	12	1	Core
One Elective course from the following:				
HR 315	Total Quality Management (Prerequisite GM 100)	12	1	Elective

GM 301	Project Management (Prerequisite IM 200 and GM 100)	12	1	Elective
FN201	Introduction to Financial Services (Prerequisite FN 101)	12	1	Elective
MK 336	Business Planning (Prerequisite AC101, FN 101 and MK 101)	12	1	Elective
<b>Total First Semester Credits</b>		<b>80</b>		
MK 301	Entrepreneurship (Prerequisite MK 100)	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 314	Leadership and Supervisory Skills (Prerequisite GM 100)	12	2	Core
HR 320	Strategic Human Resources Management (Prerequisite HR 203)	12	1	Elective
One Elective course from the following:				
MK 324	Management Consulting Skills (Prerequisite GM 100)	12	2	Elective
MK 201	International Marketing (Prerequisite MK 100)	12	2	Elective
HR 319	Applied Research in Human Resource Management (Prerequisite IM 201)	12	2	Elective
<b>Total Second Semester Credits</b>		<b>72</b>		
<b>Total Third Year Credits</b>		<b>152</b>		
<b>Total BCom in Human Resources Management Degree Credits</b>		<b>432</b>		

**Bachelor of Business  
Administration First Year**

<b>First Trimester</b>				
<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Trimester</b>	<b>Status</b>
BAC100	Principles of Accounting I	12	1	Core
BBS100	Introduction to Business	12	1	Core
BBS101	Business Communication	12	1	Core
BIM100	Elementary Business Mathematics	12	1	Core
<b>Total First Trimester Credits</b>		<b>48</b>		
<b>Second Trimester</b>				
BAC101	Principles of Accounting II	12	2	Core
BBS102	Principles and Practices of Management and Administration	12	2	Core

BBS103	Business Environment I	12	2	Core
BEC100	Micro-Economics	12	2	Core
BIT100	Introduction to Information. Technology and Information Systems	12	2	Core
<b>Total Second Trimester Credits</b>		<b>60</b>		

## Second Year

<b>First Trimester</b>				
BAC102	Management Accounting	12	3	Core
BBS104	Business Environment II	12	3	Core
BEC101	Macro-Economics	12	3	Core
BIM101	Quantitative Methods for Business Decision Making	12	3	Core
<b>Total First Trimester Credits</b>		<b>48</b>		
<b>Second Trimester</b>				
BFN102	Introduction to Business Law	12	1	Core
BFN201	Introduction to Financial Management	12	1	Core
BIT200	Management Information Systems	12	1	Core
BMK200	Principles of Marketing	12	1	Core
<b>Total Second Trimester Credits</b>		<b>48</b>		
BBS203	Business Policy and Strategic Management	12	2	Core
BHR200	Human Resources Management	12	2	Core
BMK 201	Small Business and Entrepreneurship	12	2	Core
BMK 202	Marketing Research	12	2	Core
<b>Total Third Trimester Credits</b>		<b>48</b>		

## Third Year

<b>First Trimester</b>				
BAC200	Taxation	12	3	Core
BFN202	Financial Statement Analysis	12	3	Core
BMK203	Business Planning and Development	12	3	Core
BMK204	Marketing of Services	12	3	Core
<b>Total First Trimester Credits</b>		<b>48</b>		
<b>Second Trimester</b>				
BFN300	Financial Management for Small Business	12	1	Core
BFN301	Insurance and Risk Management	12	1	Core
BMK300	Marketing for Small Business	12	1	Core



BMK302	International Marketing	12	1	Core
<b>Total Second Trimester Credits</b>		<b>48</b>		
<b>Third Trimester</b>				
BPW333	Project Work	48	2	Core
<b>Total Third Trimester Credits</b>		<b>48</b>		

## **UDBS STAFF LIST**

### **DEAN'S OFFICE**

#### **Associate Professor and Dean**

U. O. L. Mbamba, BSc (Dar), MBA (Nairobi), Licentiate of Philosophy (Umea), PhD (Dar)

#### **Associate Professor and Associate Dean**

E. K. Ishengoma, BCom (Dar), MBA (Twente), PhD (Leipzig)

#### **Principal Administrative Officer**

A. Hussein, AdvDip (ARI), PGDSC (Dar)

#### **Lecturer and Coordinator, Undergraduate Studies**

P. S. Magai, BSc (URP), MIT (Dar) PhD

#### **Senior Lecturer and Coordinator, Postgraduate Studies**

D. Philemon BCom, MBA, PhD (Dar)

#### **Associate Professor and Associate Coordinator, Postgraduate Studies**

N. Mori, BCom, MBA (Dar), PhD (Agder)

#### **Senior Lecturer and Coordinator of Research and Publications**

J. R. M. Philemon, BCom (Dar), MBA (Makerere), Licentiate of Philosophy (Umea), PhD (Dar)

#### **Lecturer and Associate Coordinator of Research and Publications**

W. Nguni, BCom (Dar), MITL (MOLDE) Phd

#### **Lecturer and Coordinator Consultancy: Management Development & Consultancy Bureau**

P. Kanje, BCom, MBA PhD (Dar)

#### **Lecturer and Coordinator, Career Counselling and Practical Training**

G. Magova, BCom, MBA (Dar), CPS (T), PhD (Dar)

#### **Lecturer and Manager, Planning, Investment and Finance**

P. Ambege, BCom, MBA (Dar), CPA (T), PhD

#### **Lecturer and Coordinator Marketing Unit**

T. R. Dominic, BSc (SUA), MBA (Dar), PhD (Göttingen)

## **DEPARTMENT OF ACCOUNTING**

### **Senior Lecturer and Head**

H. Chalu, BCom, MBA, (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

### **Associate Professors**

E. Kitindi, Dip. BA, B Com (Dar), MBA (KU Leuven), PhD (WU Wien), CPA (T)

S. S. Temu, BCom (Dar), MBA (Berlin West), PhD (Bremen), CPA (T)

### **Senior Lecturers**

M. I. Nchimbi, BCom (Dar), MA [Fin Control] (Dublin City), PhD (Dar)

J. King'ori, BCom (Dar), MBA (Leuven), PhD (Illinois), CPA (T)

L. Melyoki, BCom (Dar), MBA, PhD (Twente), CPA (T)

H. Chalu, BCom, MBA, (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

S. I. Mzenzi, BCom, MBA (Dar), PhD (Southampton), CPA (T)

D. N. Mahangila, BCom, MBA (Dar), PhD (Southampton), (CPA) (T)

L. Mbelwa, BCom, MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

### **Lecturers**

\*\*M. S. Masoud, BBS (Accounting) (IUIU), MSc [Finance] (Strathclyde), Licentiate of Philosophy (Umea), PhD (Dar)

H. Thomas, BCom, MBA, PhD (Dar)

C. Masanja, BCom, MIT (Dar), (CPA) (T)

S. J. Suluo, BCom, MBA (Dar), (CPA) (T)

P. Ambege, BCom, MBA (Dar), CPA (T), PhD

P. Mbwile, BCom, MBA (Dar), PhD

### **Assistant Lecturers**

\*E. Simon, BCom, MBA, (Dar), (CPA) (T)

\*V. Bahati, BCom, MBA (Dar), CPA (T)

\*M. Mlundachuma, BCom, MBA (Dar), CPA (T)

\*M. Wilson, BCom, MBA (Dar), CPA (T)

\*E. Christopher, B Com in Accounting (Dar), CPA (T)

\*O. Zuberi, BCom (Dar), ACCA (UK)

J. Moses, B Com, (MFA-OG) (Dar), CPA (T)

## **DEPARTMENT OF FINANCE**

### **Senior Lecturer and Head**

E. M. Richard, BCom (Dar), MBA (Makerere), Licentiate of Philosophy (Umea), PhD (Dar)

### **The Department members**

#### **Associate Professor**

E. K. Ishengoma, BCom (Dar), MBA (Twente), PhD (Leipzig)

N. Mori, BCom, MBA (Dar), PhD (Agder)

#### **Senior Lecturers**

E. Minja, BCom (Dar), MBA (Nairobi), PhD (Oklahoma State University), CPA (T)

E. M. Richard, BCom (Dar), MBA (Makerere), Licentiate of Philosophy (Umea), PhD (Dar)

## **Lecturers**

T. A. Swai, BCom, MBA (Dar), PGD [Financial Management] (MSM), PhD (Dar)  
N. Robert, BCom, (Dar), MA (Econ.), CPA (T)

## **Assistant Lecturers**

\*E. Mkwizu, BSc (BVU-India), MBA (Dar)  
M. Ilomo, BCom, MIT (Dar)  
A. Abdul, BCom, MBA (Dar)  
\*J. Kimario, BCom, MBA (Dar)  
\*T. Busagara BCom, MBA (Dar)  
\*E. Joseph, BCom, MBA (Dar)  
\*G. Mkaro BCom, MBA (Dar.), CPA (T), PG. Diploma in Tax Management (IFM)  
\*G. Christopher, BCom MA Ec (Dar)  
\*N. Chamkunde, BCom (Finance)  
\*A. Mdewa, BCom, MIT (Dar)  
\*G. Mboya, BA, MA (Dar)  
\*M. Mathias, BSc (Dar)  
\*R. Samson BSc (Dar)

## **DEPARTMENT OF GENERAL MANAGEMENT**

### **Department of General Management**

#### *Senior Lecturer and Head*

D. A. Rwehumbiza, BSc URP (Dar), BSc BA with International Business (London), MIT (Dar), PhD (Leipzig)

#### *Associate Professors*

U. O. L. Mbamba, BSc (Dar), MBA (Nairobi), Licentiate of Philosophy (Umea), PhD (Dar)

#### *Senior Lecturers*

S. S. Kessy, BA, PGD [Pov. Analy.] (ISS); MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)  
\*\*E. Tumsifu, BSc (SUA), MIS (Dar), Licentiate of Philosophy (Umea), PhD (Dar)  
D. A. Rwehumbiza, BSc URP (Dar), BSc BA with International Business (London), MIT (Dar), PhD (Leipzig)  
J. J. Masele, BSc (SUA), MIS (Dar), PGD [MCMIS], (MSM), PhD (Oldenburg)  
G. Salema, BSc (SUA), MBA (Dar), PhD (Molde)

#### *Lecturers*

\*\*\*F. Michael, Dip. (Ed.) (Marangu), BA, MBA (Dar), Licentiate of Philosophy (Umea), SPGD in Law, PhD (Dar)  
J. J. Sanga, BAEd, MBA, PhD (Dar)  
T. Dominic, BSc (SUA), MBA (Dar), PhD (Göttingen)  
P. S. Magai, BSc URP, MIT (Dar), PhD (Dong-A)  
R. Kanani, BCom (Dar) MSc Logistics, PhD (MOLDE)  
Y. Simwita BCom, MSc, PhD (MOLDE)  
M. Nkuba, BSc URP, MBA (Dar), PhD (Oldenburg)  
G. Magova, BCom, MBA (Dar), CPS (T), PhD (Dar)  
G. Tinali, BCom, MITL (Dar), CPSP (T), PhD (Beijing)  
M. A. Ame, BA, MBA (Dar), Licentiate (Umea), PhD (Dar)

*Assistant Lecturers*

- \*K. Swabiri, BCom, MBA (Dar)
- \*P. Maro, BCom, MBA (Dar)
- \*V. Wilson, BCom, MBA (Dar)
- \*B. M. Sakita, BCom (Dar), MSc (MOLDE)
- \*B. Tarimo BCom (Dar), MBA (Dar)
- \*E. Majaliwa BCom (Dar)
- \*P. Singogo, BCom (Dar), MSc (MOLDE)
- \*T. Kabudi Bsc (ARU)

*Tutorial Assistant*

- Z. G. Mwakila BA. PSPA (Dar)
- A. Livingstone BCom (HRM) (Dar)

- \*Study Leave
- \*\*Secondment
- \*\*\*Sabbatical Leave

**DEPARTMENT OF MARKETING**

**Senior Lecturer and The Head**

O. K. Mbura, BCom, MBA (Dar), MA (The Hague), Licentiate of Philosophy (Umea), PhD (Dar)

**Professor**

W. Anderson, BCom, MBA (Dar), MTEE., PhD (Balearics)

**Associate Professor**

\*\*\*D. Jani, BSc (SUA), MBA (Dar), PhD (Dong-A, South Korea)  
G. Charles, BCom, MBA (Dar), Licentiate of Philosophy (Umea), PhD (Dar)

**Senior Lecturers**

J. R. M. Philemon, BCom (Dar), MBA (Makerere), Licentiate of Philosophy (Umea), PhD (Dar)  
O. K. Mbura, BCom, MBA (Dar), MA (The Hague), Licentiate of Philosophy (Umea), PhD (Dar)  
D. Philemon BCom, MBA, PhD (Dar)

**Lecturers**

I. S. Allan, BCom (Dar), MBA (Twente), PhD (Dar)  
R. Suphian, BSc (BE), MIT (Dar)  
W. Nguni, BCom (Dar), MITL (MOLDE) PhD  
N. S Maliva, BCom (OUT), MBA (Dar)  
P. Kanje, BCom, MBA , PhD (Dar)  
F. P. Okangi, BSc BE , MIT , PhD (Dar)

**Assistant Lecturers**

\*M. Semkunde, BAEd, MIT (Dar)  
\*D. Rwehikiza, BCom, MITL (Dar)  
\*P. Maletto BCom (THM) (Dar)

**Administrative Staff**

**Senior Administrative Officer**

A. Hussein, AdvDip (ARI), PGDSC (Dar)

B. K. Mwampunga BA (PSPA) (Dar), MBA (HRM) (Wales)

**Office Management Secretaries**

C. P. Muzale  
F. A. Mwankemwa  
C. M. Kambeju  
A. Chibwana  
J. Mbonge  
S. Niza  
G. Justine  
P. Ngole

**Administrative Officer**

D. Bikongoro BA (Dar)

**Systems Administrator**

J. Naale BSc (CS) (Dar)

**Accountants**

E. C. Mbekomize, BCom (DAR), CPA (T)  
E. R. Mwakemwa  
A. E. Kapaga

**Procurement Officer**

P. Kuhanga, DipBA, ADMA (CBE), CPSP (T), MBA (Mzumbe)

**Library Assistant**

R. C. Cristomus  
A. L. Mchome

**Maintenance (Carpentry, Electricity & Water)**

F. B. Soko  
I. M. Twallib  
D. O. Lutavo

**Drivers**

C. Matemba  
B. N. Mbuya

**Clerical Officer**

C. A. Mmbaga

**Office Attendant**

C. A. Mbwana  
M. Kapesa  
D. Ernest

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\* On Study Leave

\*\*On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment

## **INTRODUCTION**

The School of Education comprises two departments and one academic unit, namely: the Department of Educational Psychology and Curriculum Studies (EPCS), the Department of Educational Foundations, Management and Lifelong Learning (EFMLL) and the Physical Education and Sport Sciences Unit (PESS). The School offers three-year five undergraduate programmes, leading to the award of the following degree programmes:

- (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 Education (Physical Education and Sport Sciences) (BEd PESS)

Additionally, the School offers professional teacher preparation courses to BAEd and BScEd students registered in the College of Social Science (CoSS), College of Humanities (CoHU) and College of Natural and Allied Sciences (CoNAS) respectively. Again, the School of Education offers courses for secondary school teachers and other professional education personnel at postgraduate level as shown in the table below:

### **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

The School of Education courses bears 100, 200 and 300 series for first, and 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 and Psychology streams. 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 UDDBS 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 UDDBS 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 grades. Except where the regulation allows, the final standing shall not be computed unless all the papers and Teaching Practice 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)**

Course Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
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

CT200	Principles of Curriculum Development and Teaching	12	1	Core
CT201	Educational Media and Technology	12	1	Core
EF200	History of Education	12	1	Core
CTX*	Teaching Methodology Course	12	1	Core
DS102	Development Perspectives II	8	1	Core
XXX	Teaching Subjects from CoSS / CoHu /CoNAS/ IKS	36	1&2	Core
AE202	Adult Basic Education and Training	12	1	Core
AE204	Principles of Open and Distance Learning	12	2	Core
AE205	Community Education and Rural Transformation	12	1	Core
CT202	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 Educ. & School Administration	12	1	Core
EP 302	Research Methods in Education	12	1	Core
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 & 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)

Course Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
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
<b>Second Year</b>				
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	8	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
<i>Elective I (Electives):</i>				
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
<b>Third Year</b>				
EP 300	Educational Measurement and Evaluation	12	1	Core
EA 300	Management of Educ. & 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
<i>Electives 2 (Electives)</i>	<i>24</i>	<i>1&amp;2</i>		<i>Elective</i>
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 Education in Physical Education and Sport Sciences (BEPESS)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
EF 100	Principles of Education	12	1	Core
EP 101	Introduction to Educational Psychology	12	2	Core
<b>First Year</b>				
DS 112	Development Perspectives I	12	1	Core
PE 100	Foundations of Physical Education and Sport	12	1	Core
PE 101	Human Anatomy and Physiology	12	1	Core
PE 106	Track and Field Athletics	12	1	Core
PE 107	Sport Biomechanics	12	1	Core
PE 109	Swimming and Life Saving	12	1	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
CL 106	Communication Skills	12	2	Core
<b>Second Year</b>				
CT 200	Principles of Curriculum Dev. and Teaching	12	1	Core
CT 201	Educational Media and Technology	12	1	Core
PE 212	Sport, Society and Development	12	1	Core
PE 214	Sports Journalism and Marketing	12	1	Core
PE 208	Handball, Gymnastics and Traditional Games	12	1	Core
CT 202	Teaching Practice II	12	2	Core
EF 200	History of Education in East Africa	8	2	Core
PE 202	Exercise Physiology	12	2	Core
PE 204	Sports Psychology	12	2	Core
PE 209	Soccer and Volleyball	12	2	Core

PE 210	Basketball and Netball	12	2	Core
<i>Electives (1)</i>				
PE 206	(Electives)Theory and Practice of Fitness and Health	12	2	Elective
PE 211	Legal and Ethical Issues in Physical Education and Sports			
PE 213	Sport Tourism and Outdoor Recreation and Leisure			
<b>Third year</b>				
EA 300	Management of Education and School Administration	12	1	Core
EP 300	Educational Measurement and Evaluation	12	1	Core
EP 302	Research Methods in Education	12	1	Core
PE 300	Sports Medicine	12	1	Core
PE 308	Physical Education in Schools and Colleges	12	1	Core
PE 311	Theory and Methods of Sport Training	12	1	Core
EF 303	Professionalism and Ethics in Education	12	2	Core
PE 303	Motor Learning and Adopted Physical Education	12	2	Core
PE 309	Racket Games (Tennis & Table Tennis)	12	2	Core
PE 310	Organization & Admin. of Physical Education and Sport	12	2	Core
EP 301	Educational Statistics	12	2	Core
Electives (1)		12	2	Elective
PE 307	Aerobics3	12	2	Elective
PE 302	Measurement and Evaluation in Physical Educ. and Sports	12	2	Core
PE 312	Badminton	12	1	Elective
DS 113	Development Perspectives II	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:

- Acquire general understanding of the basic principles and methods of psychology as a scientific discipline
- Acquire and master a range of research skills in psychology.
- Apply psychological principles in facilitating teaching and learning in educational settings.
- Equip students with skills to provide psychological services to the Tanzanian community, including counselling, psychotherapy, screening and diagnosis, and psychological testing.

Course Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
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
<b>Second Year</b>				
DS 113	Development Perspectives	12	1	Core
CT 200	Principles of Curriculum Dev. & 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
<i>Electives 2 (Electives)</i>				
EP 221	Parenting Education	12	2	Elective
CT 203	Pedagogy of Teacher Education	12	2	Elective
AE 206	Community Based Research	12	2	Elective
<b>Third Year</b>				
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
<b>Programme Structure</b>				
EF 303	Professionalism and Ethics in Education	12	2	Core
EP 303	Psychology of Adolescence	12	2	Core
EP 310	Psychological Research Project	12	2	Core

<i>Electives 1 (Electives)</i>		12	1	<i>Elective</i>
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:

- Generate, promote and disseminate professional information, knowledge and skills on early childhood development and learning.
- Prepare experts for guiding and promoting early childhood services to meet the challenges of future developments.
- Prepare teachers and practitioners for early childhood educational institutions.

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
<b>First Year</b>				
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
<b>Second Year</b>				
DS 113	Development Perspectives II	12	1	Core
CT 200	Principles of Curriculum Dev. and Teaching	12	1	Core
CT 201	Educational Media and Technology	12	1	Core
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 Dev. Processes	12	1	Core
EF 200	History of Education in East Africa	12	1	Core
CT 202	Teaching Practice II	12	2	Core
<i>Electives 2</i>		24	2	<i>Elective</i>
<b>Third Year</b>				
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
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
<i>Electives 2 (Electives)</i>		24	2	<i>Elective</i>
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

## **STAFF LIST - SCHOOL OF EDUCATION (SoED)**

### **Office of the Dean**

#### *Senior Lecturer and Dean*

E. J. Kafanabo, Dip. Ed (Klerru TC), BScEd (Dar), MScEd, (Twente), PhD (Pretoria)

#### *Senior Lecturer and Associate Dean*

B. K. Kanukisya, BED (Dar), M.Phil. CIE, PhD (Oslo)

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#### *Lecturer and Coordinator of Undergraduate Studies*

H. J. Magosho, BEd, MAEd, (Dar), PhD (Shanghai)

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I. Nzima, BAEd, PGDE, MAEd. (Dar), PhD (Linnaeus)

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E. C. Ngaiza – Secretarial Course (TPSC), Cert. Office Management (TPSC), Cert. Advanced Computer (BICO - UDSM), Dip. in Secretarial Studies (Tanzania Public Service College)

#### *Assistant Administrator and Secretary to the Associate Dean*

A. Barnabas – Secretarial Studies (TPSC -Tabora), Advanced Computer (BICO- UDSM), Cert. in Law (Dar).

#### *Secretary III and Secretary to the Coordinator of Postgraduate Studies*

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R. B. Masanja, Diploma Secretarial Studies (TPSC - TBR).

#### *Secretary I and Secretary to the Coordinator Center for Research and Professional Development*

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#### *System Administrator*

G. Itebuka, BDIT (KIU)

#### *Accountant*

R. M. Mkemwa, Advanced Diploma in Accountancy (CBE), CPA (NBAA)

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C. Mwangeni, CSEE (Airwing Secondary School)

### *Driver*

M. Maunganya (NIT – Dar)

## **Department of Educational Psychology and Curriculum Studies**

### *Lecturer and Head of Department*

W. Maro, BEd (Sc), MEd (Sc) (Dar), PhD (Southampton)

Office Management Secretary- III and Secretary to the Head EPCS

E. Magoma, Cert. in Secretarial Course, Dip. In Secretarial services (Magogoni)

### *Associate Professors*

A. S. Mbise, BAEd, MAEd (Dar), MA (Columbia), PhD (Alberta)

\*\*\*M. K. Possi, Dip. (Ed.), BAEd, MAEd (Dar), MA (Special Ed.) (Ball State); PhD (Ohio State), Post Doc. Social Medicine (Harvard)

\*\*\*K. A. K. Mkumbo, BSc (Ed), MA (Dar), PhD (Southampton)

### *Senior Lecturers*

R. Sima, Dip. Ed. (Korogwe TC), BAEd (Dar), MA (Keele), PhD (Manchester)

E. J. Kafanabo Dip. Ed (Klerruu TC), BSc (Ed.) (Dar), MSc (Ed.) (Twente), PhD (Pretoria)

\*\*S. Kitta, BEd. (Sc), MAEd, MSc (Ed.), PhD (Twente)

M. Vuzo, BAEd (Dar), M.Phil., PhD (Oslo)

J. K. Katabaro, Dip. Ed (Dar TC), BEd, MA (Dar), PhD (Cambridge)

### *Lecturers*

M. W. Mboya, BAEd., MA (Arizona), PhD (Alberta)

W. O. Maro, Dip. Ed (Dar TC), BEd (Sc), MEd. (Sc) (Dar), PhD (Southampton)

\*\*\*V. N. Anney, Dip. Ed., BEd, MEd. (Sc) (Dar), PhD (Waikato)

C. Mauki, BA (Ed.), MA (Dar), PhD (Pretoria)

R. Shukia, Dip. Ed. (Mpwapwa TC), BEd, MAASP (Dar), PhD (Linnaeus)

I. Nzima, BA, PGDE, MAEd. (Dar), PhD (Linnaeus)

A. Kimaro, Dip. Ed. (Mpwapwa TC), BEd (Arts), MAEd (Dar), PhD (SG)

S. E. Kisanga, Dip. Ed. (Korogwe); BEd, MAASP (Dar), PhD (Nottingham Trent)

J. Mkongo, BEd, MA (Dar), PhD (LMU, Munich)

B. Rushahu, BEd (Psych.), MAEd (Dar), PhD (Oldenburg)

S. Lyakurwa, BEd, MA (Dar), PhD (Oslo)

A. P. Tarmo, BEd, MED (Sc) (Dar), PhD (Sussex)

J. Abdallah, BEd (Arts), MA, PhD (Dar)

E. K. S. Gwajima BAED, MA (Dar), PhD (Edinburgh)

### *Assistant Lecturers*

\*L. Morwo, BEd (Sc), MED (Sc) (Dar)

\*B. Kayombo, BEd, MA (Dar)

\*L. S. Sanga, Dip. (Ed) (Morogoro TC), BEd, MA (Dar)



\*G. Emmanuel, BAED, MA (Dar).  
 \*N. Ndunguru, Dip. (Ed) (Morogoro TC), BEd (Psych), MA (Dar)  
 H. S. Mwinyikondo, Bed ECE, MA (Dar)  
 E. D. Mollel, BEd, MA (Dar)  
 B. Mbata, BSc (Ed), MED (Dar)  
 G. P. Hoza, BEd, MA (Dar)  
 N. E. Nanai, BAEd, MED (Dar)  
 M. G. Saragu, BED, MA (Dar)  
 J. A. Nkwamah, BSc CEIT, MED (Dar)  
 I. Charles, BEd ECE (Dar), MA (Dar)  
 D. Marandu, VETA (Morogoro), BEd, MA (Dar)  
 A. J. Lyimo, Bed ECE, MAEd (Dar)  
 L. E. Nzali, BEd (Sc), MED (Sc) (Dar)

#### *Tutorial Assistants*

\* M. H. Mudhihir, BED  
 \* E. Kitenge, BED  
 \* S. J. Marobo, BED  
 E. J. Mapunda, BA  
 R. K. Mzamiru, BSc (Ed.)

#### *Technicians*

S. Mwakalobo, F.T.C (DIT), BEd Masters (MIEM) (Dar)

#### *Support Staff for Special Education Needs*

J. Mbago, Dip. Ed. (Monduli), Dip. in Special Educ. The Blind (Patandi), BEd (Sebastian Kolowa), Masters (Kyambogo)  
 P. Kisanga, Cert. in Ed. Grade IIIA (Kasulu), Cert. in Special Educ. Visual Impairment (Patandi), Dip. Ed. (Patandi), BEd (Sebastian Kolowa), Masters (Dar)  
 N. N. Mlawa, Bed, Master of Ed (Sebastian Kolowa)  
 E. K. Lung'wecha, BEd (Sebastian Kolowa)  
 H. S. Mtani, BEd (Sebastian Kolowa)  
 A. G. Haule, BEd (Sebastian Kolowa)  
 S. O. Msafiri, Cert. in Special Educ. (Patandi TC), BEd (Sebastian Kolowa), (Dar)  
 D. M. Gamba, Bed (Sebastian Kolowa)

#### **Primary School Teachers**

R. M. Mahendeka	Dip. Edu Grade III A (Murutunguru TC)
F. D. Mabada	Cert. Edu Grade IIIA (Bunda TC)
F. H. Lupogo	Cert. Edu Grade IIIA (Nachingwea TC)
L. S. Burchard	Cert. Edu (Katoke TC), Bed. (ECE) (Dar)
K. M. Mrisho	Cert. Edu Grade IIIA (Ilonga TC)
F. Karara	Cert. Edu Grade IIIA (Ilonga TC), BAEd (St John's)
M. J. Lazaro	Cert. Edu Grade IIIA (Kasulu TC)
M. K. Mbwambo	Cert. Edu Grade III A (Mhonda TC)
C. S. Chunga	Cert. Edu Grade III A (Mpwapwa TC)
P. S. Kariba	Cert. Edu Grade IIIA (Ndala TC)
S. M. Masero	Cert. Edu Grade IIIA (Ekernford TC), Cert. Basic Technician in Information Technology (DIT)
R. L. Kisusi	Cert. Edu (Murutunguru TC), BAEd (St John's)

D. P. Mutalemwa Cert. Edu Grade IIIA (Mtwara TC), BA (Arts) (OUT)  
M. A. Nussura Cert. Edu Grade IIIA (Kitangali TC), Dip. Edu (ADEM)

### ***Mlimani Pre-School Teachers***

H. K. F. Mponji, Dip. Ed. (Marangu TC), BAEd, MAEd (Dar)  
M. Anicet, Cert. Grade IIIA (Tabora TC), Cert. Early Childhood Dev. (St. Mary's TC.) Dip. (Patandi TC)  
S. J. Ibrahim, Cert. Grade IIIA (Kinampanda TC), BAEd (Dar)  
\*B. Komu, Cert. in Public Administration (Magogoni – Dar), Cert. Early Childhood Devpt (Montessori Msimbazi), Cert. Grade IIIA (Nachingwea TC)  
E. Stephen, Cert. Early Childhood Devt (Montessori Msimbazi)  
H. C. Mwita, Dip. Ed (Morogoro TC), BEdECE (Dar)

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\* On Study Leave

\*\* On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment

### **Department of Educational Foundations, Management and Lifelong Learning**

#### *Lecturer and Head of Department*

N. L. Mgonda, Dip. Ed. (Korogwe), BEd, MAEd (Dar), PhD (Leipzig)

#### *Secretary to the Head*

M. D. Mundekeye Cert. in Secretarial, Diploma in Secretarial Studies (TPSC)

#### *Professors Emeriti*

A. G. Ishumi, BA (EA), Ed. MA. (Harvard), PhD (Dar)

J. C. J. Galabawa, BSc (Ed.), MA (Dar), MSc (The Hague), PhD (Alberta)

#### *Professor*

P. A. K. Mushi, Dip Ed. (Morogoro), BEd, MAEd (Dar) PhD (Southampton)

#### *Associate Professors*

V. M. Mlekwa, Dip. in Adult Ed. (IAE), BEd, MA(Dar), PhD (Alberta)

E. P. Bhalalusesa, Dip. in Adult Ed. (IEA), BEd, MA(Dar), Ed. (Bristol)

W. A. L. Anangisye, BAEd., MA (Ed. (Dar), PhD (Edinburg)

#### *Senior Lecturers*

H. A. Dachi, BAEd., MA (Dar), PhD (Bristol)

J. M. Ishengoma, BAEd., MA (Dar), PhD (SUNY, New York)

\*\*\*A. Komba, Dip. Ed. (Kleruu), BEd (Sc.), MAEd (Dar), PhD (Bath).

B. K. Kanukisya, Cert. Ed. IIIA (Tukuyu TC), Cert. Ed. with Agriculture (Vikindu TC), Dip. Ed. (Mtwara TC), BEd (Dar), M.Phil. CIE, PhD (Oslo)

G. L. Kahangwa, Cert. Ed. IIIA (Korogwe TC), BAEd., MAEd (Dar), PhD (Bristol)

#### *Lecturers*

L. Mahai, Dip Ed., (Morogoro), BEd), MAEd. (Dar) PhD (Edinburgh)

M. J. D. Mwaikokesya, Dip. ADE (IAE), BEd, MAEd (Dar), PhD (Glasgow)

A. N. Kamando, Cert. Ed. IIIA (Mandaka TC), Dip. Ad. Ed. (IAE), BEd, MAEd (Dar), PhD (Glasgow)

A. M. Sarakikya, Dip. Ed. (Monduli TC), BAEd, MAEd (Dar), PhD (Pretoria)  
 P. L. Sanga, Dip. Ed. (Chang'ombe TC), BEd ADE., MAEd (Dar), PhD (Hanyang)  
 H. J. Magosho, BEd, MAEd (Dar), PhD (East China Normal University)  
 F. M. Matiba, Dip. Ed. (Butimba TC), BEd, MAEd., PhD (Dar)  
 \*\*\*M. Matonya, Dip Ed., (Morogoro TC), BEd, MA (Ed.) (Dar) PhD (Jyvaskyla)  
 R. P. Manyengo, BEd, MAED, PhD (UDOM)  
 R. M. Boniface, BEd, MEMA (Dar), PhD (Linnaeus)  
 T. Ndeskoi, Dip. Ed. (Marangu TC), BAEd, MAEd, PhD (Dar)  
 N. L. Mgonda, Dip. Ed. (Korogwe TC), BEd (Arts), MAEd (Dar), PhD (Leipzig)  
 G. H. Shirima, BEd, MEMA (Dar), PhD (Bielefeld)  
 B. T. Mbughi, BEd, MA (Ed.) (Dar), PhD (LMU Munich)  
 Y. S. William, BEd (Com), MEMA (Dar), PhD (Southampton)  
 M. A. Mislay, Dip. Ed. (Marangu TC), BAEd, MEMA (Dar), PhD (Massey)  
 J. C. Pesambili, BAEd. (Dar) MAEd Dar, PhD (Sussex)  
 P. S. Ngalomba, BEd (Arts), MEMA (Dar), PhD (Kenyatta)  
 A. Anania, Dip. Ed. (Mpwapwa TC), BEd (Arts), MEMA (Dar), PhD (Nottingham)  
 E. Mlaki, Dip. (Ed.), (Mkwawa TC), BEd Science (Dar), MEM (Yogyakarta), PhD (UDOM)  
 R. K. Hyera, Dip. Ed. (Korogwe TC), BEd (Arts), MAEd., Phd (Dar)

#### *Assistant Lecturers*

\*J. Bachilula, Bed (Arts), MEMA (Dar)  
 D. Masima, BAEd UDOM, MEMA, (Dar)  
 D. Masebo, BAEd., MAEd (Dar)  
 E. Mutoka, BAEd, MAEd (Dar)  
 M. Mgeni, Dip. (Ed.) (Morogoro TC), BAEd., MAEd. (Dar)

#### *Tutorial Assistants*

\*J. Mathew, BED (Dar)  
 A. Chagula, BED (Dar)

\* On Study Leave

\*\* On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment

### **Physical Education and Sport Sciences Unit**

#### *Senior Lecturer and Head of Unit*

S. Mabagala, BEd, MAEd (Dar), PhD (Kenyatta)

#### Administrative Assistant I and Secretary to the Head

A. S. Mdulli, Advanced Computer Cert (VETA Morogoro),

#### *Senior Lecturers*

H. S. Ndee, Dip. Ed. (Kleruu TC), MSc (Ed.) (Stockholm), MA (Pedagogics) (Moscow), PhD (Strachclyde)  
 S. N. Mabagala, BEd, MAEd (Dar), PhD (Kenyatta)  
 C. N. Maro, BEd (PESC) (Dar), MSc (NUSPE), Dip. Soccer Coaching (NUSPE), PhD (NSSS, Oslo)

### *Lecturers*

J. B. Tiboroha, BEd (Dar), MSc (NUSPE), PhD (Dar)  
D. J. Marwa, Dip. Ed. (Marangu TC), BEd (PESC), MAEd., PhD (Dar)  
J. S. Ndabi, Dip. Ed. (Dar es Salaam TC), BEd, MAEd. (Dar), PhD (Essex)  
I. N. Pangani, Dip. Ed. (Monduli TC), BEd, MAEd (Dar), PhD (Kenyatta)  
J. D. Kazungu, Dip. Ed. (Morogoro TC), BEd, MAEd (Dar) PhD (Linnaeus)

### *Assistant Lecturers*

\*J. Siayi, BEd (Dar), MA (Ed (Dar)  
\*J. Mlay, BEd, MA (Dar), M. Phil SEN (Oslo)  
\*A. Shao, BEd), MAEd. (Dar)  
A.Y. Simwanza, BEd, MAEd. (Dar)

### *Tutorial Assistants*

\*D.C. Msabila, BEd (Dar)  
P.J. Materu, BEd (Dar)

### *Technical Staff*

D. Vicent, Cert. Mechanical, (Dip. Comp. Science) (Dar)

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\* On Study Leave

\*\* On Sabbatical Leave

\*\*\* On Leave of Absence/Secondment

## **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 800km from main campus (Dar es Salaam). The main partners of the college are Mbeya Zonal Referral Hospital (MZRH) and National Medical Research (NIMR). Currently, the college offers only one program (Doctor of Medicine-MD). The Other programmes which will be offered in the near future include:

- (i) Doctor of Pharmacy (Pharm D)
- (ii) BSc in Biomedical Sciences
- (iii) Doctor of Dental Surgery (DDS)
- (iv) BSc in Medical Molecular Biology and Biotechnology

### **Specific Requirements:**

#### **Doctor of Medicine (MD)**

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 8 points whereby one must have at least C grade in Chemistry and Biology and at least D in 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** Diploma in Clinical Medicine with an average of B+ or GPA 3.5 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) Degree**

Doctor of Medicine is a ten-semester (five years) competency based programme leading to the MD degree of the University of Dar es Salaam followed by a year's internship at an approved hospital. The 1<sup>st</sup> 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.

#### **1.1 Specific regulations**

##### **2.2.1. Examination Regulations for the MD Programme**

- i. The MD degree is a ten-semester programme 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 module/modular course taught during each

semester. 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 module/modular course or rotation examination the Summative Assessment (SA)

- iv. The FA shall contribute 50% of the final grade at the end of module/modular course/ rotation university examinations
- v. The FA and SA shall consist of written (theory paper, quizzes, and final reports, assignments, presentations and others) and practical/clinical components (global observation and rating of live/recorded performances, observation of procedures and rating, logbooks, OSPE, OSCE and others). 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 will be considered to have passed a course after passing all modules/ rotations of the respective course
- vii. 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 1.6 or higher, but fails in some course(s) shall be required to supplement in the failed course(s) during the long vacation
- viii. A candidate who obtains a GPA of less than 1.6 in a semester shall be discontinued from studies
- ix. A candidate who fails all the courses in an audit year regardless of the GPA shall be discontinued from studies
- x. A candidate who fails in supplementary examination in basic sciences shall be allowed to carry-over the failed module(s) to the next academic audit year and appear for a second supplementary examination in the failed module(s) of the respective course(s) when next offered during the long vacation provided the GPA is 1.8 or higher. A candidate who fails the second supplementary shall be discontinued from studies
- xi. No candidate shall be allowed to proceed to the clinical year rotations unless and until he/she has passed all semesters 1 to 4 of the programme
- xii. A candidate who obtains a GPA of 1.8 or higher but less than 2.0 in a supplementary examination in semester 3 and 4 shall be allowed to freeze registration and appear for another supplementary examination when next offered and the maximum freezing period shall be 2 semesters. A student who fails to clear the failed modules/courses within the two semesters shall be discontinued
- xiii. A candidate shall not be considered to have passed any clinical course unless and until he/she has passed the clinical components of the examination, whereby 40% is from FA and 60% from the final examination and contributions of written and clinical examinations are as per regulation (vi) above
- xiv. 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 during the long vacation after semester 6 and 8 respectively, 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. For rotations, which have less than 6 weeks duration, the period of supplementary rotation will be the full duration. The maximum tenure of 14 semesters shall not be exceeded

- xv. A candidate with incomplete course work in any semester will not be allowed to sit for end of module/rotation examination
- xvi. A candidate who passes a supplementary examination at any level shall be awarded a “C” grade equivalent to 2.0 grade points
- xvii. Progression to semester 9 and 10 is subject to completion of clinical rotations and passing University examinations for semester 7 & 8, and submission of a satisfactory elective research report
- xviii. A satisfactory elective report from semester 7-8 must be submitted at least 8 weeks prior to the final semester 10 rotation examination failure of which will deem the candidate ineligible for the final examination
- xix. A student shall be awarded the MD degree after passing all prescribed courses in the MD programme

### 2.1.2 Grading System

Computation of the GPA for the MD programme 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 degree shall not be classified:

Marks%	Letter Grade	Grade point
75-100	A	4.4-5.0
70-74	B+	3.5-4.3
60-69	B	2.7-3.4
50-59	C	2.0-2.6
45-49	D	1.5-1.9
0-44	E	0-1.4

### 1.1.3 Regulation for Fieldworks and Reports

The students will do community field work on nutrition at the end of semester 4 as a group. There will also be community field works in Community Medicine during semester 7/8 and 9/10 as part of training in Public Health. This will be divided into dispensary, health center and DMO weeks as well as district health management training. Students will be required to produce both individual reports for the dispensary, health center and DMO weeks.

There shall be an elective study for every student at the end of semester 8 as part of Community Medicine rotation. 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 and the department of Community Medicine, carry out research on the topic by his/herself guided by the supervisor throughout all stages of research conduct proposal development, acquisition of ethical approval, data collection, data analysis, report writing and dissemination of findings. The elective report

will be marked and the marks will contribute towards the grade of the Community Medicine rotation. No student will be allowed to graduate if he/she has not completed all field works and including providing reports.

#### 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 100	13.8	60	2.713	37.4394
Biochemistry BC 100	10.7	70	3.5	37.45
Physiology PH 100	9.2	55	2.352	21.6384
Behavioral Sciences BS 100	10.4	72	3.54	36.816
DS 100	4.6	74	3.58	16.468
<b>Total</b>	<b>48.7</b>			<b>149.8118</b>

$GPA = \frac{\sum(GP \times C)}{\sum C} = \frac{149.8118}{48.7} = 3.07$  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:

Code	Course Title	Credits	Semester
<b>First Year</b>			
AN 100	Anatomy	6.4	1
BC 100	Biochemistry	4.9	1
PH 100	Basic Physiology	9.2	1
BS 100	Behavioural Sciences	6.6	1
PF 100	Professionalism and Ethics	2.3	1
AN 100	Anatomy	7.6	2
BC 100	Biochemistry	5.0	2
PH 101	Clinical Physiology	2.6	2
DS 100	Development Studies	4.0	2
PF 100	Professionalism and Ethics	2.0	2
NC 100	Basic Communication Skills	4.0	2
<b>Second Year</b>			
MP 200	Pathology	6.0	3
MI 200	Microbiology and Immunology	9.1	3



PE 200	Parasitology and Entomology	4.9	3
ER 200	Epidemiology/Research Methods	4.0	3
DS 200	Development Studies	4.0	3
MP 200	Pathology	9.4	4
ER 200	Epidemiology & Research Methods	3.1	4
CP 200	Clinical Pharmacology	9.3	4
PS 200	Psychopathology	2.5	4
EF 200	Nutritional Field Project	2.2	4
<b>Third Year</b>			
IM 300	Internal Medicine	7.8	5 & 6
MH 300	Paediatrics and Child Health	7.8	5 & 6
MS 300	Surgery	7.8	5 & 6
MG 300	Obstetrics and Gynaecology	5.0	5 & 6
PF 300	Professionalism and Ethics	1.8	5 & 6
MD 300	Communicable Diseases Control	4.0	5 & 6
RO 300	Radiology	4.8	5 & 6
**ED 301	Emergency Medicine	20.0	5 & 6
<b>Fourth Year</b>			
PS 400	Psychiatry	10.0	7 & 8
MC 400	Community Medicine	9.0	7 & 8
ME 400	MD Research Project	3.8	7 & 8
OL 400	Otorhinolaryngology	5.0	7 & 8
OP 400	Ophthalmology	5.0	7 & 8
MA 400	Anaesthesiology	6.0	7 & 8
**MF 401	Dental and Oral Surgery	20.0	7 & 8
<b>Fifth Year</b>			
IM 500	Internal Medicine	7.9	9 & 10
MH 500	Paediatrics & Child Health	5.9	9 & 10
MS 500	Surgery	6.3	9 & 10
MG 500	Obstetrics and Gynaecology	6.6	9 & 10
OT 500	Orthopaedics, Trauma & Neurosurgery	6.8	9 & 10

**\*\*Elective Course**

## **MCHAS STAFF LIST**

### **OFFICE OF THE PRINCIPAL**

*Associate Professor and Acting Principal*

S. L. Lyantagaye, BSc, MSc (Dar), PhD (Western Cape)

*Coordinator Undergraduate Studies, ARIS, Examinations and Timetable*

C. N. Mweya, BSc (Dar), MSc, (KCMUCo), PhD (Morogoro)

*Coordinator of Postgraduate Studies and Research*

J. D. Swilla, BSc, MSc, PhD (Dar)

*Coordinator of Quality Assurance*

K. R. Ng'habi, BSc, MSc (Dar), PhD (Wageninjen)

*Senior Administrative Officer*

A. Kalasa, BA (Dar), PGDE (Dodoma)

*Assistant Dean of Students*

G. J. Malobe, BA (Dar)

*Accountant*

D. T. Kabulika, B.COM, MBA (Dar), CPA (NBAA)

*Office Management Secretary*

P. E. Lema, Cert, Dip (TPSC)

G. Chiwaligo, Cert, Dip (TPSC)

*Office Attendant*

N. M. Mkimbili, Cert (CBE)

### **Department of Anatomy, Physiology and Pathology**

*Lecturer and Head*

E. Mgaya, MD, MMed (Dar), MSc (Zuerich)

*Senior Lecturer*

E. Mgaya, MD, MMed (Dar), MSc (Zuerich)

*Lecturer*

W. J. Muller, MD (Havanna), MMed (Dar)

L. M. Torees, MD (Dar), MMed (Dar)

*Assistant Lecturers*

E. Mazyala, DDS (Dar), MSc (Stellenbosch)

\*H. Nondoli, BSc (Dar), MSc (Dar)

\*R. M. Makaranga, DDS, MSc (Dar)

*Tutorial Assistants*

M. C. Mutagwaba, MD (Dar)  
A. S. Ntoyi, MD (CUHAS)  
T. S. Mariro, MD (Dar)

*Labaratory Technicians*

B. Godfrey, Dip (Dar)  
Y. Muhemu, Dip (KAM)  
H. T. Maduhu, Dip (Morogoro)  
A. J. Magawa, Dip (Morogoro)

*Labaratory Attendants*

S. S. Moh'd, Cert (St. Glory)  
V. Samweli, Cert (St. Glory)

*Embalmer Cum Attendant*

D. B. Masalu, Cert (Dar)

**Department of Biochemistry and Pharmacology**

*Lecturer and Head*

N. Magitta, MD (Dar), PhD (Bergen)

*Associate Professor*

S. L. Lyantagaye, BSc, MSc (Dar), PhD (UWC, South Africa)

*Lecturers*

N. Magitta, MD (Dar), PhD (Bergen)  
C. Mahende, BSc (Lancaster), MSc (Surrey), PhD (Dar)

*Assistant Lecturer*

\*D. Damian, BSc (Dar), MSc (Dar)

*Tutorial Assistant*

I. C. Adolf, BSc (Dar)

*Laboratory Scientist*

L. Cornery, BSc (Dar)

*Laboratory Technician*

S. Michael, Dipl (KCMUCo)

*Principal Laboratory Assitant II*

B. Mishosho, Cert (DRVTSC)

**Department of Microbiology/Immunology and Parasitology/Entomology**

*Lecturer and Head*

K. R. Ng'habi, BSc, MSc (Dar), PhD (Wageninjen)

### *Lecturers*

K. R. Ng'habi, BSc, MSc (Dar), PhD (Wageninjen)  
M. Gwamaka, BSc, MSc, PhD (Morogoro)  
C. N. Mweya, BSc (Dar), MSc (KCMUCo), PhD (Morogoro)  
M. Chachage, BSc, MSc (Cape Town), PhD (Munchen)  
T. Marandu, BSc, MSc (Dar), PhD (Braunschweig)  
J. D. Swilla, BSc, MSc, PhD (Dar)  
R. C. Malima, BSc (Dar), MSc, PhD (London)  
S. Anthony, MD (Dar), MMed (CUHAS)t  
T. Nkya, BSc (Texas), MSc (Dar), PhD (KCMUCo)

### *Assistant Lecturer*

\*L. R. Paul, BSc (Dar), MSc (Leuven)

### *Chief Laboratory Technologist*

F. Kimati, Cert, Dip (EA), Cert (Netherlands), Cert (Austria)

### *Laboratory Technicians*

F. Ondigo, Dip (KAM)  
A. Kajuna, Dip (Dar)  
F. D. Nyagawa, Dip (Dodoma)

## **Department of Social Sciences (Development Studies, Psychology, Sociology, Communication Skills, Epidemiology and Biostatistics)**

### *Associate Professor and Head*

M. K. Possi, BA, MA (Dar), MA (Ball State); PhD (Ohio State), Post Doc. (Harvard)

### *Associate Professor*

M. K. Possi, BA, MA (Dar), MA (Ball State); PhD (Ohio State), Post Doc. (Harvard)

### *Lecturers*

D. Massue, BSc (Morogoro), MSc (Liverpool), PhD (Basel)  
B. J. Ngowi, Dip (Ifakara), MD (Dar), PhD (Bergen)

### *Assistant Lecturer*

\*C. H. Mbotwa, BA, MA (Dar)  
B. A. Mbwele, MD (Dar), MSc (KCMUCo)  
Z. Yoeli, BSc, MA (Morogoro)  
D. C. Marenga, BSc (Morogoro), MSc (KCMUC)

## **Department of Internal Medicine**

### *Lecturer and Head*

I. H. Mwakyula, MD (Dar), MMed, MSc Cardiology (Dar)

### *Lecturers*

I. H. Mwakyula, MD (Dar), MMed, MSc Cardiology (Dar)  
A. Nsojo, MD (KCMUCo), MMed (Dar)  
O. Salehe, MD, MMed (Dar)  
D. Nassoro, MD (Dar), MMed (Dodoma)

K. N. Kanama, MD (Ryazan State I.P. Pavlov), MMed (CUHAS)  
O. B. Kassanga, MD (Ryazan State I.P. Pavlov), MMed (Nizhny Novgorod Medical State)  
P. Kishimbo, MD (Dar), MMed (CUHAS)  
B. Chaula, MD, MMed (KCMUCo)  
U. O. Mchepange, MBBS, MMed (China), PhD (Huazhong)  
L. Mujwahuzi, MD (Dar), MMed (Witwatersrand), RCP, Cert Cardiology (SA)  
M. S. Nzota MD (Dar), MHSR (Makerere).  
M. T. Missanga MD (Dar), MMED (Dodoma)  
I. J. Nguma MD (KCMUCo), MMED (Dar)

*Tutorial Assistant*

F. Chinyama, MD (Dar)  
I. S. Masagati, MD (Dar)

**Department of Surgery**

*Lecturer and Head*

L. Mboma, MD (Dar), MMed (Kampala)

*Lecturers*

L. Mboma, MD (Dar), MMed (Kampala)  
\*R. J. Mfinanga, MD (Dar), MMed (CUHAS)  
E. R. Samky, MD (Cluj Napoca), Mmed (Dar)  
M. E. Mutagwaba, MD (Dar), MMed (Kampala)  
D. S. Mwaja, MD (Dar), MMED (CUHAS)  
F. J. Kiwara, MD (KCMUCo), MMED (CUHAS)

*Tutorial Assistant*

M. P. Mgeleka, MD (Cuba)  
M. Israel, MD (Dar)  
O. O. Mapunda, MD (CUHAS)

**Department of Obsteric and Gynecology**

*Lecturer and Head*

F. J̄ Rwegoshora, MD (Dar), MMed (Dar)

*Lecturers*

F. J. Rwegoshora, MD (Dar), MMed (Dar)  
G. Mbwanji, MD (Dar), MMed (Dar)  
R. Mokeha, MD, MMed (Dar)  
D. D. Mkenda, MD, MMed (Dar)  
J. D. Katumba, MD (CUHAS), MMed (Dar)  
A. Kaminyoge, MD, MMed (Dar)  
M. Nganga, MD, MMed (Dar)  
E. Kimambo, MD, MMed (Dar)  
E. Mwalumli, MD (KCMUCo), MMed (Dar)  
A. H. Chuwa, MD (NNSMA), MMED (UCN), PhD (UT)

*Tutorial Assistant*

\*J. Christopher, MD (Dar)

J. A. Mwainyaga, MD (SFUCHAS)

**Department of Paediatric and Child Health**

*Lecturer and Head*

P. J. Mwanyika, MD (Dar), MMed (Huazhong)

*Lecturer*

P. J. Mwanyika, MD (Dar), MMed (Huazhong)

J. T. Massaro, MD (Fujian), MMed (Dar)

A. J. Haule, MD (Dar), MMed (KCMUCo)

V. G. Maghina, MD (KCMUCo), MMed (CUHAS)

R. Marando, MD (Dar), MMed (CUHAS)

N. M. Mniwa, MD (Saint Petersburg I.P. Pavlov State), MMed (Huazhong)

F. Tekka, MD (Dar), MMed (Huazhong)

*Tutorial Asistant*

E. Ernest, MD (Dar)

**Department of Radiology and Nuclear Medicine**

*Lecturer and Head*

C. Ngatunga, MD, MMed (Dar)

*Lecturers*

C. Ngatunga, MD, MMed (Dar)

\*A. M. Qassim, MD (KCMUCo), MMed (Zhengzhou)

N. Mwakyusa, MD, MMed (Dar)

A. Maro, MD (KCMUCo), MMed (Dar)

*Tutorial Asistant*

J. A. Sumawe, MD (Dar)

J. C. Masaka, MD (KCMUC)

**Department of Ortohinolaryngology**

*Lecturer and Head*

B. Ngunyale, MD, MMed (Dar)

*Lecturers*

B. Ngunyale, MD, MMed (Dar)

R. Gabriel, MD, MMed (Dar)

*Tutorial Assistant*

J. Makonda, MD (KCMUCo)

K. R. Hamis, MBBS (Dar)

## **Department of Anesthesiology and Intensive Care**

### *Lecturer and Head*

A. Zacharia, MD, MMed (Dar)

### *Lecturers*

A. Zacharia, MD, MMed (Dar)

G. Mwakisambwe, MD (Russia), MMed (CUHAS)

L. F. Komba MD (KCMUCo), MMED (KCMUC)

S. R. Safari, MD, MSc (Dar)

## **Department of Orthopaedics and Trauma**

### *Lecturer and Head*

J. Mbanga, MD (CUHAS), MMed (Dar)

### *Lecturers*

J. Mbanga, MD (CUHAS), MMed (Dar)

J. Msemwa, MD (KCMUCo), MMed (Dar)

L. Sakafu, MD, MMed (Dar)

S. M. Joseph, MD, MMed (Dar)

B. M. Mponda, MD, MMed (Dar)

### *Tutorial Assistant*

J. Olomi, MD (Dar)

## **Department of Ophthalmology**

### *Lecturer and Head*

B. Mshangila, MD (Dar), MMed (Kampala)

### *Lecturers*

B. Mshangila, MD (Dar), MMed (Kampala)

J. Ngalula, MD (CUHAS), MMed (MUHAS)

### *Tutorial Assistant*

W. Maro MD (KCMUC)

## **Department of Emergency Medicine**

### *Head and Lecturer*

P. Bashaka, MD (Dar), MMed (CUHAS)

### *Lecturer*

P. Bashaka, MD (Dar), MMed (CUHAS)

### *Tutorial Assistant*

M. E. Bonda, MD (KCMUC)

M. Bilalo, MD (Dar)

J. J. Mponzi, MD (Dar)

M. O. Banzi, MD (Dar)

O. T. Masoy, MD (KCMUC)

## **Department of Dental and Oral Surgery**

### *Lecturer and Head*

H. Mwakayoka, DDS (Dar), MMed (Dar)

### **Senior Lecturer**

E. A. Mugonzibwa, DDS (Dar), PhD (Nijmegen)

### *Lecturers*

H. Mwakayoka, DDS (Dar), MMed (Dar)

M. L. Birigi, DDS, MMed (Dar)

### *Tutorial Assistant*

E. Mwan'gande, MD (Dar)

## **Department of Psychiatry and Mental Health**

### *Head and Lecturer*

B. T. Mwandete, MD, MMed (Dar)

### *Lecturer*

B. T. Mwandete, MD, MMed (Dar)

### *Tutorial Assistants*

E. S. Bukuku, MD (KCMUCo)

M. Stephano, MD (KCMUCo)

L. A. Ndelwa, BCP (UI), MSc (Dar)

## **College Library**

### *Head and Chief Librarian*

E. S. Kainkwa, BA, MA (Dar)

## **Finance**

### *Accountant*

D. T. Kabulika, B.COM, MBA (Dar), CPA (NBAA)

### *Accountant Assistant*

N. J. Seme, Cert, Dip (CBE), B, Accountancy (TIA)

## **Office of the Dean of Students**

### *Assistant Dean of Students*

G. J. Malobe, BA (Dar)

### *Wadern*

S. S. Katunzi, Dip (Marangu), BA (Dar), MPA (Mzumbe)



**Transport Unit**

*Senior Driver*

I. King'ung'e, MVM (VETA), Cert (NIT)

*Driver*

L. A. Lwesya, Cert (VETA), TT Grade II (VETA)

\*On Study leave

## INTRODUCTION

The UDSM School of Law (UDSoL) has three Departments which superintend the various courses that are offered to candidates. These Departments are: Public Law Department, Private Law Department and 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 (LLB);
- (ii) Bachelor of Arts in Law Enforcement; and
- (iii) Certificate in Law (Cert Law).

### (A) School Examination Regulations

The University of Dar es Salaam School of Law Regulations shall be read together with the General University Examination Regulations.

#### 1. Registration of Students

Without prejudice to other rules relating to registration, all first year candidates shall register with the University of Dar es Salaam School of Law administration office during the orientation week.

#### 2. Conduct of Examinations

- (i) A candidate must attend 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 candidate's access to examination if he/she is not satisfied that the candidate qualifies 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) will be deemed to have failed the course at "E" grade;
  - (b) Such a student will 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 University of Dar es Salaam School of Law shall only be held during University examination sessions and at no other time.
- (vi) A candidate who, under these regulations is not permitted to do 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 the above 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 Elective 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 (LLB Dissertation) shall do the same research topic under a new supervisor.
- (ix) Where a candidate fails a non-law course the applicable rules on supplementary examination from the respective 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 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 that is not cleared at the time of the supplementary examinations will be considered to have absconded.

## **7. Assessment**

Course grade will 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.

## **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 Board of Examiners for checking of computational errors and for provisional publication of the semester's results;
- (ii) The Departmental 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 Examinations Officer shall also report such cases to the Departmental Board of Examiners for deliberation and/ or adjudication.
- (iii) The Departmental Board shall assess the results in the respective Department and make recommendations to the Board of Examiners of the University of Dar es Salaam School of Law. In the event of the observed disagreement of a fundamental nature between the internal examiner and the external examiner on the marks and grade of the candidate the Board of Examiners of the University of Dar es Salaam School of Law shall adjudicate upon the matter and make a recommendation to the Senate through its School Board.
- (iv) Where the Board of the University of Dar es salaam School of Law has endorsed the provisional examination results specific marks 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 University of Dar es salaam School of Law for further processing to the Board of Examiners.
- (ii) Each Department shall, before the commencement of the 2nd semester, publish provisional results in each course whose examination was done during the 1st semester. The Head of Department shall report in writing to the Dean all cases of non-compliance to this regulation and measures that the Department has taken to address the non-compliance with this regulation.
- (iii) The provisional grades of candidates shall be published by each Department bearing only candidates' numbers and not their respective names pending their approval by the Senate.

## **11. Appeals**

- (i) The Appeals Board of the University of Dar es Salaam School of Law shall not entertain an appeal from a candidate unless the appeal is based on grounds recognized by the University regulations pertaining to appeals.
- (ii) Where an appeal is based on medical factors, 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 University of Dar es Salaam School of Law shall not consider an appeal for re-marking of 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

Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
LW 100	Constitutional Law I	12	1	Core
LW 104	Constitutional Law II	12	1	Core
LW 101	Law of Contract I	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

The following is the course arrangement for LLB candidates.

Course Code	Course Title	Credits	Semester	Status
IS131	Computer Skills	12	1	Core
DS 100	Development Perspectives I	12	1	Core
DS 112	Development Perspectives II	12	2	Core
<b>Second Year</b>				
LW 200	Administrative Law I	12	1	Core
LW 206	Administrative Law II	12	2	Core
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

Course Code	Course Title	Credits	Semester	Status
LW 450	Select from approved LW 450 series courses	12	**	Elective
<b>Third Year</b>				
LW 300	Jurisprudence	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	**	Elective
** Semester depends on the course selected				
<b>Fourth Year</b>				
LW 400	LLB 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	**	Elective

- 12.1 Students should consult Heads of Department before selecting the Elective 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 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year examination results.

### 13. The LW 400 LLB Dissertation and Elective Courses

- 13.1 The field component for the LW 400 LLB Dissertation shall be done during the long vacation of the 3<sup>rd</sup> 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 paper, double spaced in size 12 Arial or Tahoma font characters. Students shall be required to submit soft copies of their dissertation and comply with other directions issued by the Coordinator on the format of the dissertations.
- 13.3 In addition to core courses required for a particular academic year, a candidate in the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year of study, shall be required to meet the minimum prescribed credits from the Elective courses on offer
- 14.4 Be-fore the end of each academic year 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year candidate 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.

- 13.5 Two weeks before the end of an academic year, the Dean after consultations with Heads of Departments will announce the list of Elective courses on offer during the following Academic Year.
- 13.6 Availability of Elective courses will be determined by the Dean and will depend on the availability of lectures.
- 13.7 The Dean may change an Elective course on offer if there are circumstances necessitating such a course to be taken.
- 13.8 Where the Dean changes the Electives that have been advertised, candidates affected shall be allowed to select new Elective courses.

Elective courses shall be announced by the Dean from the following list for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year candidates:

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
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
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

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
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**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
LWE 103	Legal Method	12	1	Core
LE 100	Research Methodology	8	1	Core
LE 101	Public Administration and Law Enforcement	12	1	Core
LWE 525	Human Rights Law	12	1	Core
LE 102	Psychosocial Studies	12	1	Core
LWE 100	Constitutional Law	12	1	Core
LE 103	Public Ethics and Law Enforcement	12	2	Core
LWE 200	Administrative Law	12	2	Core
LWE 201	Public International Law	12	2	Core
LE 104	Psychosocial Studies II	12	2	Core
DS 112	Development Perspectives	12	2	Core
LWE 104	Communication Skills for Lawyers	12	2	Core
LE 200	Leadership in Law Enforcement	8	1	Core
LWE 530	International Humanitarian Law	12	1	Core
LWE 102	Criminal Law and Procedure I	12	1	Core
LE 201	Management in Law Enforcement	12	1	Core
LE 202	Public Health and Environment	8	1	Core
LE 400	Series from list of Elective courses	8	1	Elective
LE 400	Series from list of Elective courses	8	1	Elective
ST 113	Basic Statistics and Law Enforcement	12	2	Core
LE 204	Juvenile Justice Law	12	2	Core
LWE 467	Gender and the Law	12	2	Core
LE 205	Logistics and Law Enforcement	8	2	Core



Course Code	Course Title	Credits	Semester	Status
LWE 204	Law of Evidence	12	2	Core
LE 400	Series Select from list of Elective courses	8	2	Core
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 Elective Courses	8	1	Elective
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 Elective Courses	8	2	Elective

Elective courses shall be announced by the Dean from the following list for 2nd and 3rd year candidates:

Course Code	Course Title	Credits
LE 400	Anti-Terrorism Law	12
LE 401	Criminal Investigations	12
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
LE 415	Survival Techniques and Self Defence	

#### 14. The LE 305 BA Law Enforcement Dissertation and Elective Courses

- 14.1 The field component for the LE 305 BALE Dissertation shall be done during the long vacation of the 3<sup>rd</sup> 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 Arial or Tahoma font characters. Students shall be required to submit soft copies of their dissertation and comply with other directions issued by the Coordinator on the format of the dissertations.

- 14.3 In addition to core courses required for a particular academic year, a candidate in the 2<sup>nd</sup> and 3<sup>rd</sup> year of study, shall be required to meet the minimum prescribed credits from the Elective courses on offer
- 14.4 Be-fore the end of each academic year <sup>1</sup>st, and 2nd year candidate 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.
- 14.5 Two weeks before the end of an academic year, the Dean after consultations with Heads of Departments will announce the list of Elective courses on offer during the following Academic Year.
- 14.6 Availability of Elective courses will be determined by the Dean and will depend on the availability of lectures.
- 14.7 The Dean may change an Elective course on offer if there are circumstances necessitating such a course to be taken.
- 14.8 Where the Dean changes the Electives that have been advertised, candidates affected shall be allowed to select new Elective courses.

#### **15. Certificate 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 Programme is run by the School of Law through accredited Centers. The University on 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](http://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 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	Status
CTL 100	Public Law	12	1	Core
CTL 101	Public Law II	12	2	Core
DS 100	Development Studies	12	1	Core
CL 100	Communication Skills	12	1	Core
CTL 200	Select from approved CTL 200 series courses	12	1	Elective
CTL 200	Select from approved CTL 200 series courses	12	2	Elective
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		
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 Elective courses.
- 19.2 No candidate shall be eligible to sit for the Certificate in Law Examinations unless he or she has attended at least 60% of the seminars.
- 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.

## **UDSoL STAFF LIST**

### **Office of the Dean**

*Associate Professor and Dean*

H. I. Majamba, LLB (Dar), LLM (Queen’s), PhD (Northeastern)

*Senior Lecturer and Associate Dean*

S. F. Materu, LLB (Dar), LLM (UWC), Dr.jur. (Humboldt)

*Lecturer and Coordinator of Postgraduate Studies*

A. J. Mwiburi, LLB, LLM (Dar), Dr. jur. (Bayreuth)

*Lecturer and Coordinator of Undergraduate Studies*

K. K. Morris, LLB, LLM, PhD (Dar)

*Lecturer and Coordinator of BA Law Enforcement*

P. Melkiori, LLB, LLM, PhD (Dar)

*Lecturer and Head of Examination*

S. Jaba, LLB, LLM (Dar), PhD (Warwick)

*Administrative Assistant I and Secretary to the Dean*

I. E. Mzimbe, Pre-Service Typing Course (TPSC-Dar), Cert. in Law (UDSM), Typing Course (Civil Service Training Centre- DSM)

*Secretary II and Secretary to the Examination Office*

M. R. Mdoka, Cert. In Secretarial Studies (TPSC)

*Principal Administrative Officer*

C. W. Lyimo, Cert Int DS (Oslo), BASO, MADS (Dar)

*Senior Administrative Officer*

P. D. Gabriel, BA PSPA (Dar)

*Secretary I and Secretary to the PAO's Office*

H. L. Gwivaha, Dipl in Secretarial Studies (TPSC), Certificate in Secretarial Studies (TPSC)

*Accountants*

S. C. Mwawengo, CPA (T), B.com, MBA (Dar)

E. A. Suleiman, Dipl in Accountancy, Advanced Dipl in Accountancy (CBE, Dar)

*Senior Systems Administrator I*

F. J. Kasper, Computer Science (Mysore), Post baccalaureate (Texas)

*Senior Supplies Officer I*

M. X. Nchimbi, CPSP (PSPTB), NSC (NBMM), ATECH II (NBAA)

*Higher Clerical Officer I*

N. P. Tarimo, Cert in Record Management (UDBS), Clerical Training duties (Utumishi, Dar)

*Driver*

P. D. Komu, Advanced Drivers Cert. Grade II (NIT)

*Office Attendants*

V. T. Deogratus, Cert. in Human Resource Management (Inst. of Social Work)

E. C. Mkude, Cert. in Insurance and Social Protection (IFM)

*Programme Assistants*

W. Assey; BASO (Dar), MA Human Resource (Holborn)

N. R. Tilumanywa, Cert. in Law (UDSM)

O. Mgovano, Driving Certificate

**Department of Public Law**

*Senior Lecturer and Head of Department*

L. Mussa, LLB, LLM, PhD (Dar)

*Office Management Secretary III and Secretary to the Head*

M. K. Akukweti, Cert in Secr. Studies (VETA), Dipl. in Secr. Studies (TPSC)

*Professor Emeritus*

I. G. Shivji, LLB (Dar), LLM (London), PhD (Dar)

*Associate Professors*

L. P. Shaidi, LLB, LLM, PhD (Dar)

K. C. Kamanga, LLM, PhD (Patrice Lumumba), LLM EU Law (Amsterdam)

*Lecturers*

\*I. R. Mandi, LLB, LLM (Dar)

\*A. Rwegasira, LLB, LLM (Dar)

S. Jaba, LLB, LLM (Dar), PhD (Warwick)

*Assistant Lecturers*

\*J. Odhiambo, LLB, LLM (Dar)

\*H. K. Mlinga, LLB, LLM (Dar)

Tutorial Assistants

M. Y. Ngaga, LLB (Dar)

V. A. Clemence, LLB (Morogoro)

T. M. Nyang`anyi LLB (Dar), LLM (Barcelona)

### **Department of Economic Law**

*Lecturer and Head of Department*

D. A. M. Shayo LLB, LLM (Dar), LLM, Dr. Jur. (Konstanz)

*Office Management Secretary II and Secretary to the Head*

L. Rushomesa, Cert. in Secretarial Studies (TPSC), Office Management Course (TPSC)

*Professors Emeriti*

G. M. Fimbo, LLB (EA), LLM (London), PhD (Dar)

J. L. Kanywanyi, LLB (EA), LLM (Berkeley), PhD (Dar)

*Associate Professors*

N. N. N. Nditi, LLB, LLM, PhD (Dar)

A. M. Mapunda, LLB, LLM (Dar), PhD (Warwick)

*Senior Lecturers*

J. Jesse, LLB, LLM (Dar) LLM (Notre Dame), PhD (Dar)

S. F. Materu, LLB (Dar), LLM (UWC), Dr. jur. (Humboldt)

C. K. Mtaki, LLB, LLM (Dar), PhD (Ghent)

*Lecturers*

R. A. Mwaipopo, LLB (Dar), Dip in Legal Studies (Manchester), LLM(Manchester), PhD (Dar)

D. A. M. Shayo LLB, LLM (Dar), LLM, Dr. Jur. (Konstanz)

S. J. Mwakaje, LLB(Dar), LLM (Franklin Pierce Law Centre), PhD (Dar)

E. Nyika, LLB, LLM (Dar), PhD (Aberdeen)

P. Melkiori, LLB, LLM, PhD (Dar)

*Assistant Lecturers*

D. Daniel LLB, LLM (Dar)

E. Mshana, LLB, LLM (Dar)

M. Tairo, LLB, LLM (Dar)

T. Semu, LLB, LLM (Dar)

N. S. Sehewa, LLB, LLM (Dar)

E. Mlingwa, LLB (Dar), LLM (UWC & Humboldt)

\*F. Kimario, LLB, LLM (Dar)

\*H. Tumaini, LLB(Dar), LLM (Aberdeen)

L.Masalu, LLB, LLM (Dar)

Tutorial Assistants

\*D. Omosso, LLB(Dar)

### **Department of Private Law**

*Lecturer and Head of Department*

C. K. K. Morris, LLB, LLM, PhD (Dar)

*Secretary II and Secretary to the Head*

A.M. Bakari, Cert.in Secr. Studies (VETA/NABE/CBET), Cert. in Secr.Studies (TPSC), Dipl. in Secr Studies (TPSC), MDEA (TPSC)

*Professor Emeritus*

C. M. Peter, LLB, LLM (Dar), Dr. jur. (Konstanz)

*Associate Professors*

B. S. Rutinwa, LLB (Dar), LLM (Queen's), BCL, PhD (Oxford)

H. I. Majamba, LLB (Dar), LLM (Queen's), PhD (Northeastern)

*Senior Lecturers*

J. Jesse, LLB(Dar), LLM (Dar), LLM (Notre Dame) PhD (Dar)

L. Mussa LLB, LLM, PhD (Dar)

R. W. Tenga, LLB, LLM (Dar), LLM (J. S. D. Cornell), PhD (Ghent)

B. T. Mapunda, LLB, LLM (Dar), PhD (Ghent)

*Lecturers*

V. Mhina, LLB, LLM, PhD (Dar)

B. Kanyabuhinya, LLB, (Dar), LLM (Franklin Pierce Law Centre), PhD (Dar)

T. Mwenegoha, LLB, LLM (Dar), PhD (Bond)

G. Kiwory, LLB, LLM (Dar), Dr. jur. (Bayreuth)

A. J. Mwiburi, LLB, LLM (Dar), Dr. jur. (Bayreuth)

F. Sabby, LLB, LLM, PhD (Dar)

C. K. K. Morris, LLB, LLM, PhD (Dar)

*Assistant Lecturers*

\*I. Gonzi, LLB, LLM (Dar)

A. Omari, LLB, LLM (Dar)

\*N.P. Amani, LLB, LLM (Dar)

\*G. Temu, LLB, LLM (Dar)

G. Samwel, LLB, LLM (Dar)

\*V. Buchumi, LLB, LLM (Dar)

A. Kaitu, LLB, LLM (Dar)

H. Tizeba, LLB (Dar), LLM (UWC & Humboldt)

\*P. Petro, LLB, LLM (Dar)

\*T. Romwarld, LLB, LLM (Dar)

\*N. Filbert, LLB (Dar), LLM (UWC & Humboldt)

\*C.E. Ngaiza, LLB, LLM (Dar)

B.J. Mabula LLB, LLM (Dar)

*Tutorial Assistants*

\*C. Mairo, LLB (Dar)

N. B. Komba, LLB (Dar)

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\* On Study Leave

\*\*On Sabbatical Leave

\*\*\*On Leave of Absence/Secondment

## **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 Arts in Journalism, BA (Journalism)
- (ii) Bachelor of Arts in Mass Communication, BA (Mass Comm.)
- (iii) Bachelor of Arts in Public Relations and Advertising, BA (Publ. Relations and Advert.).

### **Non-degree Programmes Offered**

Additionally, the School offers the following non-degree programmes:

- (iv) Certificate in Journalism (CertJournalism)
- (v) Diploma in Journalism (NTA Levels 5 and 6)
- (vi) Diploma in Journalism (NTA Levels 5 and 6) – Online

### **Admission Requirements**

1. The undergraduate degree for which the School of Journalism and Mass Communication prepares candidates is the Bachelor of Arts (Journalism, 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 BA (Journalism, 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 Advanced Secondary School Certificate.
  - 2.2 Equivalent Qualifications  
Diploma from a recognised institution offering Journalism education or mass media-related studies.
  - 2.3 Mature Age Entry  
In addition to the requirements of the University of Dar es Salaam under this category, candidates must possess favourable recommendations from their employers or other relevant bodies.

### **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 <sup>+</sup>	B	C	D	E
5	4	3	2	1	0
    - (iii) Approved courses given for each degree shall be appropriately weighted in terms of units.
    - (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 <sup>+</sup>	(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 Arts in Journalism

Course Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
JO 102	Introduction to Journalism	12	1	Core
CO 101	Introduction to Mass Communication	12	1	Core
DS 101	Development Perspective I	12	1	Core
JE 100	English for the Media	8	1	Core
JS 100	Kiswahili for the Media	8	1	Core
SO 110	Introduction to Sociology	12	1	Elective
PS 110	Introduction to Political Science I	12	1	Elective

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester</b>	<b>Status</b>
PS 112	Comparative Political Thought	12	1	Elective
PS 113	Government and Politics in Tanzania	12	1	Elective
PE 100	Foundations of Physical Education and Sport	12	1	Elective
MK 100	Introduction to Business	12	1	Elective
JO 103	Introduction to writing for the Media	8	2	Core
JO 104	Journalism History and Issues	8	2	Core
CO 103	Technical Basis of Communication	8	2	Core
PL 111	Intro. to Critical Thinking and Argumentation	8	2	Core
DS102	Development Perspective	12	2	Core
JO 106	Media Ethics	8	2	Core
JO 108	Radio Broadcasting	12	2	Core
JO 109	Television Broadcasting	12	2	Core
JO 100	Practicum	8	2	Core
<b>Second Year</b>				
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	12	2	Elective

Course Code	Course Title	Credits	Semester	Status
	Africa			
SO 251	Contemporary Sociological Theories	12	2	Elective
MK 201	Relationship Marketing	12	2	Elective
CO 209	Advanced TV production	12	2	Elective
<b>Third Year</b>				
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 <sup>1</sup>	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
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

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<sup>1</sup> All third-year Journalism students strongly encouraged to take this course

### Bachelor of Arts in Mass Communication

Course Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CO 101	Introduction to Mass Communication	12	1	Core
JO 102	Introduction to Journalism	12	1	Core
DS 101	Development Perspective I	12	1	Core
JE 100	English for the Media	8	1	Core
JS 100	Kiswahili for the Media	8	1	Core
SO 116	Introduction to Sociology	12	1	Elective
PS 110	Introduction to Political Science I	12	1	Elective
PE 100	Foundations of Physical Education and Sports	12	1	Elective
PS 112	Comparative Political Thought	12	1	Elective
PS 113	Government and Politics in Tanzania	12	1	Elective
MK 100	Introduction to Business	12	1	Elective
JO 103	Introduction to Writing for the Media	8	2	Core
CO 102	Mediated Communication in Africa	8	2	Core
PL 111	Intro. To Critical Thinking and Argumentation	8	2	Core
Ds 102	Development Perspective II	12	2	Core
JO 106	Media Ethics	8	2	Core
JO 108	Radio Broadcasting	12	2	Core
JO 109	Television Production	12	2	Core
CO 103	Technical Basis of Communication	8	2	Core
CO 100	Practicum	8	2	Core
<b>Second Year</b>				
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

Course Code	Course Title	Credits	Semester	Status
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
<b>Third Year</b>				
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 Advertising

Course Code	Course Title	Credits	Semester	Status
<b>First Year</b>				
CO 101	Introduction to Mass Communication	12	1	Core
PR 101	Intro to Public Relations and Advertising	12	1	Core
DS 101	Development Perspective I	12	1	Core
JE 100	English for the Media	8	1	Core

Course Code	Course Title	Credits	Semester	Status
JS 100	Kiswahili for the Media	8	1	Core
SO 110	Introduction to Sociology	12	1	Elective
PS 110	Introduction to Political Science I	12	1	Elective
PE 100	Foundations of Physical Education and Sports	12	1	Elective
PS 112	Comparative Political Thought	12	1	Elective
PS 113	Government and Politics in Tanzania	12	1	Elective
MK 100	Introduction to Business	12	1	Elective
JO 103	Introduction to Writing for the Media	8	2	Core
PR 102	Psychology of Advertising	8	2	Core
PR 104	Public Opinion and Public Relations	8	2	Core
DS 102	Development Perspective II	12	2	Core
CO 103	Technical Basis of Communication	8	2	Core
PL 111	Intro. to Critical Thinking and Argumentation	8	2	Core
PR 100	Practicum	8	2	Core
JO 108	Radio Broadcasting	12	2	Core
JO 109	Television Production	12	2	Core
<b>Second Year</b>				
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

Course Code	Course Title	Credits	Semester	Status
SO 251	Contemporary Sociology Theories	12	2	Elective
<b>Third Year</b>				
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
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

Course Code	Course Title	Credits	Semester	Status
CJ 100	Introduction to Mass Communication	12	1	Core
CJ 101	Computer Application for Journalists	12	1	Core
CJ 102	Introduction to Journalism and its History	12	1	Core
CJ 103	English for Journalism	12	1	Core
CJ 104	Kiswahili kwa Waandishi	12	1	Core
CJ 105	Reporting & Editing for Print Media	12	1	Core
CJ 106	Introduction to Television	12	2	Core
CJ 107	Introduction to Radio	12	2	Core
CJ 109	Media Law	12	2	Core
CJ 110	Journalism Ethics	12	2	Core
CJ 111	Project	12	2	Core

**Diploma in Journalism  
First Year**

Course Code	Course Title	Credits	Semester	Status
JT 101	Media Ethics	15	1	Core
JT 102	Media Law and Policy	7	1	Core
JT 103	Radio Broadcasting	10	1	Core
JT 105	News Writing	10	1	Core
JT 107	Photojournalism	18	1	Core
JT 111	Entrepreneurship	4	1	Elective
JT 204	TV Broadcasting	12	2	Core
JT 206	Media and Democracy	8	2	Core
JT 208	On-line Journalism	21	2	Core

**Second Year**

Course Code	Course Title	Credits	Semester	Status
JT 201	Basic Concepts of Finance and Accounting	5	1	Core
JT 202	News Media Management	9	1	Core
JT 205	News Sources and Gathering	20	1	Core
JT 216	Feature and Sports Writing	11	1	Core
JT 203	Editing for Print Media	9	1	Core
JT 101	Media Law and Policy	7	1	Elective
JT 111	Entrepreneurship	4	1	Elective
JT 101	Media Ethics	15	1	Elective
JT 103	Radio Broadcasting	10	1	Elective
JT 214	Editing for Electronic Media	11	2	Core
JT 217	News Analysis	20	2	Core
JT 218	Layout, Design and Graphics for Print and Electronic media	20	2	Core
JT 219	Industrial Training	15	2	Core

**SJMC STAFF LIST**

**OFFICE OF THE DEAN**

***Associate Professor and Dean***

M. Andindilile, Dip. Jour. (Evelyn Hone), BA, MA (Dar), MA (City, London), MPhil., Ph.D. (Fordham)

***Lecturer and Associate Dean***

K. Gidion, Teachers Cert. (Mpuguso), Dipl. Ed. (Morogoro), B.Ed. (ADE), MA (Dar), PhD (SAUT)

***Lecturers***

\*\*\*A. Rioba, BA(Makerere), MA (Cardiff), PhD (Tampere)

K. Gidion, Teachers Cert. (Mpuguso), Dipl. Ed. (Morogoro), BEd (ADE), MA (Dar), PhD



(SAUT)

M. Zacharia, BA, (Dar), MA (Daystar), PhD (Dar)

D. Z. Makukula, Dip. Arts (Bagamoyo), BA, MA (Dar), PhD (Berlin)

D. Mukiza, BA, MA, PhD (Mwanza)

D. P. Kuhenga, BA (Dar), MA (Rhodes), MA, PhD (Dar)

### ***Assistant Lecturers***

I. A. Mbura, BA, MA(Dar)

E. Ngelela, BA, MA(Dar)

J. Rugaika, BA (SAUT), MA (Cardiff)

\*S. Ndibalema, BA, MBA (Dar)

\*A. Katunzi, BA, (Dar), MA (Kampala)

\*E. A. Mkojo, BA (Dar), MA (Rhodes)

\*N. Mfaume, BA (Islamic Univ., Uganda), PGD (Dar), MA (Kampala)

Z. Selemani, BA (Dar), MA (Peace, Costa Rica)

\*A. Benson, BA, MA (Dar)

S. A. Hussein, BA, MA (Dar)

L. S. Mandu, Dip. Ed (Butimba), BA (Mwanza), MA (Nairobi)

E. A. Ngabo, BA, MA (Dar)

A. S. Sembosi, BA, MA (Dar)

V. Barden, BA, MBA (Dar)

D. Shayo, BA, MBA (Dar)

### ***Tutorial Assistants***

G. Malisa, BA (Dar)

T. Munisi, BA (Dar)

T. Theodory, BA (Dar)

### ***Senior Instructor***

E. Solomon, BAMCom (Makerere), MAMCom (Tampere), PhD (Berlin)

### ***Studio Instructors***

R. Muniko, BA, MA (Dar)

D. Ishengoma, BA, MA (Dar)

### ***Technician and Acting Media Manager***

S. Chungu, FTC., BENG (DIT), PGDSc (Dar)

### ***Senior Artisan***

R. Kitwana, Cert. Jour., Dip. Jour. (TSJ)

S. K. Kitundu, AdvDip (SJMC), PGDMassCom (Dar)

### ***Mlimani Media Producers/Reporters/Co-ordinators***

\*\*\*H. Ndambaya, PGD (Dar)

S. M. Mustapher, BA, MA (SAUT)

## INSTITUTE OF DEVELOPMENT STUDIES (IDS)

### INTRODUCTION

IDS is the oldest Institute 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 services University Colleges/Schools and Institutes in teaching Development Studies (DS) for first year undergraduate students. The university wide development studies courses are Development Perspectives I (DS 112) and Development Perspectives II (DS 113) courses for first year students taught in the first and second semester respectively.

### BA Development Studies Programme

#### FIRST YEAR: Semester I

Code	Course Title	Credits	Semester	Status
DS 112	Development Perspectives I	12	1	Core
DS 105	Political Economy of Development	12	1	Core
DS 106	Introduction to Population and Development	12	1	Core
DS 107	State and Development	12	1	Core
DS 109	Economics of Development	12	1	Core
DS 111	Development and Human Rights	12	1	Core
<b>Total</b>		<b>72</b>		

#### FIRST YEAR: Semester II

Code	Course Title	Credits	Semester	Status
DS 113	Development Perspectives II	12	2	Core
DS 103	Theories of Development and Underdevelopment	12	2	Core
DS 104	Gender and Development	12	2	Core
DS 108	Introduction to Development Research	12	2	Core
DS 110	Poverty Reduction Strategies	12	2	Core
CL 106	Communication Skills for Arts and Social Sciences	12	2	Core
<b>Total</b>		<b>72</b>		

**SECOND YEAR: Semester I**

Code	Course Title	Credits	Semester	Status
DS 220	Governance and Development	12	1	Core
DS 221	Economic Challenges and Prospects of Developing Countries	12	1	Core
DS 222	Development and the Environment	12	1	Core
DS 223	Political Economy of Natural Resources	12	1	Core
<b>Total</b>		<b>48</b>		

**Electives: Students should add ONE of the following courses**

Code	Course Title	Credits	Semester	Status
DS 211	Civil Society, Social Capital and Development	12	1	Elective
DS 213	Education and Development	12	1	Elective
DS 226	Industrialization and Development	12	1	Elective

**SECOND YEAR: Semester II**

Code	Course Title	Credits	Semester	Status
DS 224	Science and Technology for Development	12	2	Core
DS 227	Development Policy Analysis	12	2	Core
DS 228	Development Ethics	12	2	Core
DS 231	Globalization and Development	12	2	Core
<b>Total</b>		<b>48</b>		

**Electives: Students should add ONE of the following courses**

Code	Course Title	Credits	Semester	Status
AS 217	Introduction to Computers	12	2	Elective
DS 214	Project Design and Management	12	2	Elective
DS 230	Local Government and Development	12	2	Elective
DS 299	Practicum	24	2	Core

**THIRD YEAR: Semester I**

Code	Course Title	Credits	Semester	Status
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
<b>Total</b>		<b>48</b>		

**Electives: Students should add ONE of the following courses**

Code	Course Title	Credits	Semester	Status
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**

Code	Course Title	Credits	Semester	Status
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
<b>Total</b>		<b>48</b>		

**Electives: Students should add ONE of the following courses**

Code	Course Title	Credits	Semester	Status
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**

### *Lecturer and Acting Director*

R. Ndesanjo, BA, MSc, PhD (Dar)

### *Administrative Officer*

C. Tarmo, BA - HRM (ISW), MSc - HRM (Mzumbe)

### *Professor*

H. Mlawa, BA, MA, (Dar), MPhil, DPhil (Sussex)\*\*

### *Associate Professors*

B. O. Koda, BA, MA, PhD (Dar)\*\*

B. S. Mongula, BA, MA (Dar), MA (Carleton), PhD (Dar)\*\*

P. C. L. Kamuzora, BA, MA (Dar), MA (HMPP), PhD (Leeds)\*\*

E. W. Dungumaro, BSc (Dar), MA (Dar), PhD (Tokyo)

E. P. Niboye, BSc (Dar), Dip. Env Mgm (Australian National University) Dr. rer. OEC (Johannes Kepler, Linz)

S. O. Maluka, BA, MA (Dar), PhD (Umea)

### *Senior Lecturers*

A. A. Komba, BSc.Eng (India), MA (Dar), PhD (George Washington)\*\*

R. Shayo, BA, MA (Dar), PhD (Manchester)

J. Kiduanga, BSc, MSc (Moscow), PhD (Dar)\*\*

C. Msoka, BA, MA (Dar), PhD (Minnesota)

### *Lecturers*

F. C. Silangwa, Diploma Education (Korogwe), BEd. (Dar), MA (Dar), PhD (Colon)

S. Mbirigenda, Dip. SocioCom (Nairobi), BA Phil (Urbaniana), MA, PhD (Dar)

R. Ndesanjo, BA, MSc, PhD (Dar)

L. Mtasingwa, BA (Mwanza), MA (Dar), MA (Edinburg), PhD (Dar)

H. Makundi BSc, PGD (Dar), MSc (Sussex), PhD (Ku-Leuven)

R. Leonia, Dip.Ed (Marangu TTC), BEd, MA PhD (Dar)

G. Rubakula, BEd (Dodoma), MPA, PhD (Wuhan)

### *Assistant Lecturers*

\*P. Erasto, BA (Dar), MA (Seoul)

\*P. Japhet, BA, MA (Dar)

\*P. Katto, BA, MA (Dar)

\*V. Hamza, BA, MA (Dar)

W. Msebeni, BA, MA (Dar)

E. J. Pallangyo, BA, MA (Dar)

I. Y. Majenda, BA, MA (Dar)

O. Thabit, BA, MA (Dar)

S. Emmanuel, BA, MA (Dar)

J. Helberth BEd (Morogoro), MSc (Dar)

*Tutorial Assistants*

I. Maage, BA (Dar)

C. Nyirenda, BA (Dar)

\*I. Abdillah, BA (Dar)

E. Nganoga, BA (Dar)

*Librarian*

I. A. Kichungo, Dipl. (SLADS)

*Accountant*

E. Kiwenge, ADA (IAA)

*Office Management Secretary I*

J. R. Mduma, BA General (OUT), Full Secretarial Course ISS (Tabora Secretarial College),  
Advanced Computer Course (BICO-UDSM)

*Office Management Secretary III*

W. Ngunde Form IV, Certificate in Secretarial (TPSC-Tanga)

*System Administrator*

E. Haule, BSc (Dar)

*Senior Office Attendant II*

J. Samson, Form IV

*Driver*

J. Materu, Advanced Driving Grade II (NIT)

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\*On study Leave

\*\* Working on part-time basis

## **INTRODUCTION**

The Institute of Kiswahili Studies (IKS) is unique, in that it is the oldest Kiswahili institute in the world. It was established in 1930 as the Inter-Territorial Language Committee for what was known then as the East African Dependencies. Since that time, IKS has continued researching into and developing various aspects of Kiswahili literature, language, and culture the world over. Through its publishing wing- TUKI, the Institute has continued publishing international academic journals with analytical and descriptive articles and critiques; examining and discussing linguistic, literary, and philosophical issues relating to Kiswahili scholarship; articles that analyze and discuss issues pertaining to Kiswahili culture and African oral traditions. The institute has also continued publishing creative works, Kiswahili monolingual and bilingual dictionaries, and internationally recognized books on Kiswahili linguistics and literature.

From 2009, IKS established two teaching departments: The Department of Kiswahili Literature, Communication and Publishing, and the Department of Kiswahili Language and Linguistics. In addition, IKS has four research centres dealing with research, Kiswahili language, teaching, and promotion. These are:

- (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

## **Entry Requirements:**

A candidate shall be deemed eligible for consideration for admission to a Bachelor of Arts in Kiswahili Degree Programme if he/she has one of the following qualifications:

- (a) Certificate of Secondary Education Examination (C.S.E.E.) or equivalent, with passes in FIVE approved subjects THREE of which must be at Credit level including Kiswahili obtained prior to sitting for the Advanced Certificate of Secondary Education Examination (A.C.S.E.E.) or equivalent;
- (b) *(i) For previous years graduates up to 2015:*  
Two principal Passes in art subjects in the A.C.S.E.E and at least “D” grade in Kiswahili.  
*(ii) For Graduates of 2016:*

Two passes of at least ‘D’ grade in relevant art subjects in the A.C.S.E.E including Kiswahili.

*[Note: Principal level passes in Divinity/Islamic Knowledge are not counted]*

## **Examination Regulations**

The general University of Dar es Salaam examination rules and regulations shall apply

### Undergraduate Courses

Msimbo	Jina la Kozi	Hadia	Semista	Hadhi
<b>Mwaka wa Kwanza</b>				
KF102	Utangulizi wa Fasihi	12	1	Lazima
KF103	Nadharia na Uhakiki wa Fasihi	12	2	Lazima
KF104	Utangulizi wa Mawasiliano	12	2	Hitiari
KF105	Hadithi Fupi za Kiswahili	12	2	Hitiari
KI 107	Misingi ya Isimu	12	1	Lazima
KI 110	Utangulizi wa Isimu jamii katika Kiswahili	12	1	Lazima
KI 114	Utangulizi wa Nadharia na Mbinu za Tafsiri	12	2	Lazima
KI 115	Utangulizi wa Nadharia na Mbinu za Ukalimani	12	2	Hitiari
KI 116	Nadharia za Ufundishaji wa Kiswahili kwaWageni	12	1	Hitiari
KI 117	Utangulizi wa Misingi ya Uandishi wa Kiswahili	12	2	Lazima
DS 112	Development Perspectives I	12	1	Lazima
<b>Mwaka wa Pili</b>				
KF205	Uandishi wa Kubuni kwa Kiswahili: Nadharia naVitendo	12	1	Hitiari
KF206	Utangulizi wa Uchapishaji kwa Kiswahili	12	1	Hitiari
KF207	Mawasiliano Changamani	12	1	Hitiari
KI 208	Fonolojia	12	1	Lazima
KI 209	Mofolojia	12	2	Lazima
KI 210	Nadharia ya Sintaksia na Uchanganuzi wa Kiswahili	12	2	Lazima
KI 211	Historia ya Kiswahili na Lahaja zake	12	2	Lazima
KI 215	Ukalimani: NadharianaVitendo	12	2	Hitiari
KI 217	Leksikografia	12	1	Hitiari
KI 218	Tafsiri: Nadharia na Vitendo	12	2	Lazima
KF 219	Falsafa ya Kiafrika katika Fasihi ya Kiswahili	12	1	Lazima
KF 220	Uandishi wa Kubuni kwa Kiswahili: Vitendo	12	2	Hitiari
KF 221	Fasihi ya Watoto ya Kiswahili	12	2	Hitiari
KF 222	Mchakato wa Uchapishaji katika Kiswahili	12	2	Lazima
KF 223	Ushairi wa Kiswahili	12	1	Lazima



KS 224	Nadharia ya Utafiti katika Lugha na Fasihi	12	2	Lazima
CT 228	Teacher Education Kiswahili Methods	12	2	Hitiari
KS 230	Mazoezi kwa Vitendo	-	-	
<b>Mwaka wa Tatu</b>				
KF302	Fasihi-Simulizi ya Kiswahili na Kiafrika	12	1	Lazima
KF303	Elimu Mitindo ya Fasihi ya Kiswahili	12	2	Lazima
KF304	Fasihi-Linganishi ya Kiswahili	12	1	Lazima
KF306	Fasihi ya Kiswahili na Jinsia	12	1	Hitiari
KF307	Tendi za Kiswahili	12	2	Hitiari
KI 310	Sintaksia ya Kiswahili	12	2	Lazima
KI 311	Semantiki na Pragmatiki	12	2	Lazima
KI 312	Isimu-Historia na Isimu-Linganishi	12	2	Hitiari
KI 317	Mbinu za Ufundishaji wa Lugha	12	2	Hitiari
KF 318	Riwaya ya Kiswahili	12	2	Lazima
KF 319	Tamthiliya ya Kiswahili	12	1	Lazima
KF 320	Mwandishi Teule	12	2	Hitiari

## IKS STAFF LIST

### Office of the Director

*Senior Lecturer and Director*

E. S. Mosha, BAEd, MA (Dar), PhD(Waikato)

*Senior Lecturer and Deputy Director*

M. M. Hans, BEd, MA, PhD(Dar)

*Senior Administrative Officer*

C. R. Zawadi, MA (Mzumbe) PGD, BA (Dar)

### Department of Kiswahili Language and Linguistics

*Senior Lecturer and Head of Department*

A. Buberwa, BAEd, MA, PhD (Dar)

*Associate Professor*

P. S. Malangwa, BAEd, MA, PhD (Dar)

*Senior Lecturer*

M. M. Hans, BEd, MA, PhD(Dar)

A. Buberwa, BAEd, MA, PhD (Dar)

*Lecturers*

A. G. Msigwa, BAEd, MA, PhD (Dar)  
G. Mrikaria, BA, MA, PhD (Moscow)  
R. A. Chipila, BAEd, MA, (Dar), PhD (KwaZulu-Natal)  
R. P. Kadami, BAEd, MA, (Dar), MPh (Oslo), PhD (Dar)  
M. M. Shembilu, BEd, MA, PhD (Dar)  
M. A. Mashauri, BAEd, MA, PhD (Dar)  
T. Mpemba, BAEd, MA (Dar)

*Assistant Lecturers*

\*E. Kindole, BAEd, MA (Dar)  
\*M. A. Ngunguti, BAEd, MA (Dar)  
\*S. Jeromin, BA, MA (Dar)  
Z. S. Kididi, BAEd, MA (Dar)  
S. E. Luvanda, BA, MA (Dar)  
Z. S. Athuman, BA, MA (Dar)  
E. Judica, BA, MA (Dar)  
J. S. Andrew, BA (Dar), PGD (IFM), MA (Dar)

*Tutorial Assistants*

M. D. Elly, BA (Dar)

**Department of Literature, Communication, and Publishing**

*Senior Lecturer and Head of Department*

E. B. Lyimo, BAEd, MA, PhD (Dar)

*Associate Professor*

A. K. Mutembe, BAEd, MA (Dar), MA, PhD (Leiden)

*Senior Lecturers*

S. Omari, BAEd, MA, PhD (Dar)  
E. B. Lyimo, BAEd, MA, PhD (Dar)  
E. S. Mosha, BAEd, MA (Dar), PhD (Waikato)

*Lecturers*

J. Bulaya, BAEd, MA (Dar)  
A. Mnenuka, BAEd, MA (Dar)  
E. Mahenge, BAEd, MA, PhD (Dar)  
A. Nicholas, BAEd, MA (Dar), PhD (Nairobi)  
T. Ramadhani, BAEd, MA (Dar) PhD (Nairobi)  
Z. Daniel, BAEd, MA, PhD (Dar)  
\*L. H. Bakize, BAEd, MA (Dar)

*Assistant Lecturers*

\*F. J. Ntensya, BAK, MA (Dar)  
\*F. L. Ilomo, BAEd, MA (Dar)  
\*N. Swai, BA, MA (Dar)  
G. Henry, BAEd, MA (Dar)  
G. Kazinja, BA), MA (Dar)  
P. Pacho, BA, MA (Dar)  
A. E. Mwangike BA (Ruaha), MA (Dar)  
S. H. Msigala, BA, MA (Dar)

*Tutorial Assistants*

W. A. Mligo, BAEd (Dar)

**Centre for Kiswahili for Foreigners**

*Lecturer and Coordinator*

R. A. Chipila, BAEd, MA, (Dar), PhD (KwaZulu-Natal)

**Centre for Kiswahili Literature and African Oral and Written Traditions**

*Lecturer and Coordinator*

F. Mahenge, BAEd, MA, PhD (Dar)

**Centre for Terminology, Translation, Interpreting, and Language Technology**

*Lecturer and Coordinator*

T. Mpemba, BAEd, MA (Dar)

**Centre for Lexicography and Kiswahili Grammar**

*Lecturer and Coordinator*

M. M. Shembilu, BEd, MA, PhD (Dar)

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\* On study leave

**INTRODUCTION**

The Institute of Marine Sciences (IMS) is located in Zanzibar with sub campuses at Mizingani Street and Buyu. In addition, IMS has a mariculture substation located in Pangani, Tanga. The Institute comprises of three academic sections namely: Marine and Coastal Resources Management (MCRM), Marine Technology and Innovation (MTI) and Geosciences, Oceanography and Informatics (GOI). IMS has established a Mariculture Centre in Pangani, Tanga so as to increase its geographical research and extension services in areas related to best practices in finfish pond and cage farming; seaweed farming; crab fattening and pearl farming.

**Degrees offered by the Institute**

The Institute offers a three-year undergraduate degree programme: Bachelor of Science in Marine Sciences (BSc MASC)

**Entry Requirements for the Bachelor of Science in Marine Sciences (BSc MASC)**

- (i) Direct Entry (Form VI) Qualifications:  
Two passes at A-Level in biological/agricultural sciences and any of the following subjects: Chemistry, Physics, Mathematics and Geography.
- (ii) Equivalent Qualifications:  
Diploma in Fisheries, Aquaculture, Agriculture, Education (with Science subjects), Maritime and Forestry of not less than second class or grade B from recognized and reputable institutions within and outside the country.

**Practical Training**

The 3-year BSc MASC programme has two practical trainings (PTs), one coming immediately after the second semester in first-year and the second immediately after the second semester in second year. By the end of the second practical training, students shall propose the Research Project (RP) title to facilitate allocation of a supervisor for his/her third year RP studies. The practical /research project training programmes seek:

**Practical / Research Project Training**

Code	Duration	Location	Timing	Remarks
OC 199	8 weeks	Various	July July	Field Report
OC 299	8 weeks	Various	Semester I & II	Field Report
OC 399	8 weeks	Various		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
<b>First Year</b>				
OC 101	Biological Oceanography I	8	1	Core
OC 102	Chemical Oceanography I	8	1	Core
OC 103	Geological Oceanography I	8	1	Core
OC 104	Physical Oceanography I	8	1	Core
GI 101	Introduction to Informatics for Marine Scientists	12	1	Core
DS 112	Development Perspectives I	12	1	Core
CL 107	Communication Skills for Science students	12	1	Elective
TI 101	Marine Instrumentation	12	1	Elective
OC 107	Biological Oceanography II	12	2	Core
OC 108	Chemical Oceanography II	8	2	Core
OC 109	Geological Oceanography II	8	2	Core
OC 110	Physical Oceanography II	8	2	Core
DS 113	Development Perspectives II	8	2	Core
OC 199	Practical Training I	4	2	Core
CR 112	Socio-economic Aspects in Coastal and Marine Resources	12	2	Elective
OC 113	Survival and Safety for Marine Scientists	8	2	Elective
<b>Second Year</b>				
CR 200	Introduction to Fisheries Science	8	1	Core
CR 202	Biology and Ecology of Mangrove	8	1	Core
CR 204	Marine Phytoplankton and Primary Production	12	1	Core
OC 200	Scientific Writing and Communication	8	1	Core
OC 201	Climate Change and Variability I	8	1	Core
GI 201	Principles of Coastal and Marine GIS and Remote Sensing	12	1	Core
OC 202	Introduction to Marine Pollution and Control	12	1	Elective
CR 209	Marine Product Sanitation and Product Control	8	1	Elective
CR 215	Introduction to Environmental Assessment for Marine Scientists	8	1	Elective
CR 201	Fish Biology and Taxonomy	12	2	Core
CR 206	Biology and Ecology of Coral Reefs	12	2	Core

CR 208	Introduction to Integrated Coastal Zone Management	8	2	Core
OC 203	Marine Non-living Resources	12	2	Core
OC 205	Biostatistics for Marine Scientists	8	2	Core
OC 299	Practical Training II	4	2	Core
OC 204	Climate Change and Variability II	8	2	Elective
GI 202	Introduction to Coastal and Marine Spatial Planning	12	2	Elective
CR 207	Coastal and Marine Ecotourism	12	2	Elective
<b>Third Year</b>				
CR 301	Fish Stock Assessment	12	1	Core
CR 302	Marine Resource Marketing and Entrepreneurship	8	1	Core
MD 303	Introduction to Aquaculture	12	1	Core
MD 304	Aquaculture Feeds and Production	12	1	Core
MD 305	Breeding and Stock Enhancement in Aquaculture	12	1	Core
MD 306	Fin fish, Shellfish and Holothurian Farming Technologies	12	1	Core
OC 301	Coastal and Nearshore Processes	8	1	Core
CR 307	Marine Plant Physiology	12	2	Core
OC 304	Petroleum Geology	12	2	Core
CR 305	Seagrasses and Seaweed Ecology	8	2	Core
TI 301	Coastal and Marine Engineering	12	2	Core
OC 399	Research Project	8	2	Core
OC 302	Principles of Geophysics	8	2	Core
OC 303	Hydrogeology	8	2	Elective
CR 315	Introduction to Maritime Law and Policy	8	2	Elective

## IMS STAFF LIST

### OFFICE OF THE DIRECTOR

*Senior Lecturer and Director*

M. S. Kyewalyanga, BSc (Dar), MSc, PhD (Dalhousie)

*Senior Lecturer and Deputy Director*

M. M. Mangora, BSc, MSc (SUA), PhD (Dar)

*Senior Administrative Officer*

A. M. Mwakalukwa, DipBA (CBE), BA (Dar)

*Principal Accountant and Head of Finance*

A. S. Sabour, PGD (IFM), AD (Accounts) (IFM), MSc, CPA (T) (IFM)

## **Heads of Sections**

*Senior Lecturer and Head of Marine and Coastal Resources Management (MCRM)*  
M. S. Shalli, BSc, MSc (SUA), PhD (Dar)

*Senior Lecturer and Head of Marine Technology and Innovation (MTI)*  
A. J. Mmochi, BSc (Dar), MSc (Ryukyus), PhD (Dar)

*Associate Professor and Head of Geosciences, Oceanography and Informatics (GOI)*  
N. M. Nyandwi, BSc (Dar), MSc (Wales), Dr. rer. nat. (Bremen)

## **Coordination**

*Lecturer and Coordinator, Postgraduate Studies, Intellectual Property and Quality Assurance (PIQA)*

D. J. Msangameno, BSc (Dar), MSc (UMB), PhD (Dar)

*Senior Lecturer and Coordinator, Undergraduate Studies*  
L. J. Chauka, BSc (Dar), MSc (Addis Ababa), PhD (Dar)

*Lecturer and Coordinator, Research, Dissemination and Knowledge Exchange (RDKE)*  
S. A. S. Yahya, BSc, MSc (Dar), PhD (Stockholm)

*Lecturer and Coordinator, International Relations and Partnerships (IRP)*  
R. A. Kitula, BSc, MSc, PhD (Morogoro)

*Associate Professor and Coordinator, IOC-UNESCO and National Oceanographic Data Centre (NODC)*

D. C. P. Masalu, BSc (Dar), BSc (AICS), MSc, DSc (Tokyo)

## **Marine and Coastal Resources Management Section**

*Senior 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)

### *Lecturers*

S. A. S. Yahya, BSc, MSc (Dar), PhD (Stockholm)

R. A. Kitula, BSc, MSc, PhD (Morogoro)

D. J. Msangameno, BSc (Dar), MSc (UMB), PhD (Dar)

### *Assistant Lecturers*

\*B. A. Tarimo, BSc, MSc (Dar)

\*B. M. Yahya, BSc, MSc (Dar)

\*R. O. Ismail, BSc, MSc (Dar)

### *Technician*

M. M. Mwadini, Dip Fish Processing (Mbegani), BSc (OUT)

D. A. Abel, BSc (Dar)

### *Able Seaman*

I. K. Ramadhan

## **Marine Technology and Innovation Section**

*Senior Lecturer and Head of Section*

A. J. Mmochi, BSc (Dar), MSc (Ryukyus), PhD (Dar)

*Senior Lecturers*

M. S. P. Mtolera, BSc, MSc (Dar), MSc (Las Palmas), PhD (Uppsala)

L. J. Chauka, BSc (Dar), MSc (Addis Ababa), PhD (Dar)

*Assistant Lecturers*

\*C. H. Matem, BSc (Dar), MSc (Florida)

Tutorial Assistant

J. O. Ntagunda, BSc (Dar)

*Laboratory Scientists*

M. K. Maalim, MSc (Ryukyus), PhD (Dar)

*Able Seaman*

M. A. Khamis

**Geosciences, Oceanography and Informatics Section**

*Associate Professor and Head of Section*

N. Nyandwi, BSc (Geol) (Dar), MSc (Wales), Dr. rer. nat. (Bremen)

*Associate Professors*

D. C. P. Masalu, BSc (Dar), BSc (AICS), MSc, DSc (Tokyo)

*Senior Lecturers*

C. A. Muhando, BSc (Dar) PGD (Fisheries Biology) (Bergen), MSc (Brussels), PhD (Dar)

*Senior Lecturers on contract*

\*\*\*Y. W. Shaghude, BSc (Dar), Adv, Dip Marine Affairs (Dalhousie), MSc (Southampton), PhD (Stockholm).

*Assistant Lecturers*

R. Sabuni, BSc (Dar), MSc (Ibadan)

V. Swai, BSc (Dar), MSc (VUB)

K. J. Kamnde, BA (Dar), MSc (Twente)

Tutorial Assistant

E. L. Agwanda, BSc (Dar)

G. B. Ngomano

**Others**

*System Administrator Vacant*

*Senior Library Officer*

F. A. Uki, BA (TUDARCo), MA (Dar)

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\* *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, science and 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 enhance understanding of the Chinese language and culture by Tanzanians, to strengthen educational and cultural exchange and cooperation and deepening friendly relationships between China and Tanzania, to promote the development of multi-culturalism, and to construct a harmonious world.

### Mission

- Chinese language teaching;
- Training Chinese language instructors and providing Chinese language teaching resources;
- Holding the HSK examination (Chinese Proficiency Test) and tests for the Certification of the Chinese Language Teachers;
- Providing information and consultative services concerning China's education, culture and so on.

### 2.1 Chinese Language Elective Courses (CLEC)

During the academic year 2016/17 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).

### 2.2 Course Management, Structure and Course Outlines

FIRST YEAR: SEMESTER I			
Code	Title	Status	Credits
CM 105	Chinese Language Course for Beginners I	Elective	12
FIRST YEAR: SEMESTER II			
Code	Title	Status	Credits
CM 109	Chinese Language Course for Beginners II	Elective	12

<b>SECOND YEAR: SEMESTER I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
CM 209	Chinese Language Course for Intermediate Learners I	Elective	12
<b>SECOND YEAR: SEMESTER II</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
CM 210	Chinese Language Course for Intermediate Learners II	Elective	12

<b>THIRD YEAR: SEMESTER I</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
CM 308	Chinese Language Course for Advanced Learners I	Elective	12
<b>THIRD YEAR: SEMESTER II</b>			
<b>Code</b>	<b>Title</b>	<b>Status</b>	<b>Credits</b>
CM 309	Chinese Language Course for Advanced Learners II	Elective	12
<b>Total</b>			<b>72</b>

### 2.3 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.

<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Benchmark to HSK</b>
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			

### 2.4 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.

### 3.1 Diploma in Chinese Language

From the academic year 2018/2019 CI-U DSM is offering a two-year diploma program in Chinese Language. The course offered at University of Dar es Salaam Mwalimu J. K. Nyerere Campus.

### 3.2 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.

### 3.3 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.

### 3.4 Details on Programme Assessment

#### 3.4.1 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.

#### 3.4.2 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.

<b>FIRST YEAR: SEMESTER I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
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
<b>Total</b>			<b>60</b>
<b>FIRST YEAR: SEMESTER II</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
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
<b>Total</b>			<b>60</b>
<b>SECOND YEAR: SEMESTER I</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
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
<b>Total</b>			<b>60</b>
<b>SECOND YEAR: SEMESTER II</b>			
<b>Code</b>	<b>Course Title</b>	<b>Status</b>	<b>Credits</b>
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
<b>Total</b>			<b>60</b>

**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 of six levels 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](http://www.chinesetest.cn)

Types	HSK Requirements
Scholarship for Master's Degree in Teaching Chinese to Speakers of other Languages (MTC SOL)	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 (BTC SOL)	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 program of Chinese Language and Literature, Chinese History and Chinese Philosophy  At least 210 on the HSK Test (Level 3) for program of Chinese Language Training

### Chinese Summer Camp

Every year in July or August, Confucius Institute at UDSM organizes a 3-week Chinese Summer Camp in China which enables students to experience the Chinese language and culture. Students are only required to pay the international flight fare and all accommodation expenses will be covered by the Confucius Institute Headquarters.

### 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 Headquarters. **Registration Time:** 1<sup>st</sup> February to 20<sup>th</sup> March

### 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 (5<sup>th</sup> October – 31<sup>st</sup> December, 2020, 13<sup>th</sup> January – 16<sup>th</sup> March 2021, 6<sup>th</sup> April – 5<sup>th</sup> June 2021 and 6<sup>th</sup> July – 11<sup>th</sup> September 2021)
- ▲ 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 and the number can be reduced to only Public Universities, Colleges and Institutes:

1. University of Dar es Salaam (UDSM) – Dar es Salaam
2. Ardhi University (ARU) – Dar es Salaam

3. Mwalimu Nyerere Memorial Academy (MNMA) – Dar es Salaam
4. Tanzania-Mozambique Centre for Foreign Relations (CFR) – Dar es Salaam
5. Tanzania Public Service College (TPSC) – Dar es Salaam
6. Mbeya University of Science and Technology (MUST) – Mbeya
7. St. Augustine University (SAUT) – Mwanza
8. Dar es Salaam University College of Education (DUCE) – Dar es Salaam
9. Mkwawa University College of Education (MUCE) – Iringa
10. Institute of Accountancy Arusha (IAA) – Arusha
11. National College of Tourism (NCT) – Dar es Salaam
12. Baobab Secondary School – Bagamoyo, Coast Region
13. St. Christina Girls Secondary School – Tanga
14. St. Matthews Secondary School – Mkuranga, Coast Region
15. Sangu Secondary School – Mbeya
16. King David Primary and Secondary Schools – Mtwara
17. Mlimani Primary School – Dar es Salaam
18. Joseph Witts Bukanga High School – Musoma
19. Nyangao Secondary School – Lindi
20. Rosemin Secondary School – Tanga
21. National College of Tourism – Arusha

### **CI-UDSM STAFF LIST**

#### **Associate Professor and Director**

Y. Liu, MA, PhD (Nankai University, Tianjin)

#### **Associate Professor and Co-Director**

A. K. Mutembei, BAEd, MA (Dar), MA, PhD (Leiden)

#### **Administrative Officer**

J. George

#### **Associate Professor**

S. Guo, BA (Xuzhou), MA, PhD (Shanghai)

#### **Lecturers**

L. Wang, BA (Shandong), MA (Wuhan), PhD (Beijing)

X. Yang, BA (Henan), MA, PhD (Shanghai)

P. Wang, BA (ZNU), MA (Guangxi)

L. Zhang, BA, MA (ZNU)

X. Wang, BA (Shandong), MA (Shanghai)

X. Li, BA (Hebei), MA (Jilin)

## **INTRODUCTION**

### **ACADEMIC PROGRAMMES OFFERED BY THE INSTITUTE**

The Institute is accredited by the National Council for Technical Education (NACTE) to offer and grant awards to successful candidates in Certificate and Ordinary Diploma programmes. Awards offered are National Technical Award (NTA) Levels 4 – 6.

#### *1 Basic Technician Certificate and Technician Certificate*

The Basic Technician Certificate and Technician Certificate are part of the Ordinary Diploma. Students who wish to exit or fail to attain an Ordinary 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.

#### *2 Ordinary Diploma Programmes*

- i) Ordinary Diploma in Geology and Mineral Exploration
- ii) Ordinary Diploma in Petroleum Geosciences
- iii) Ordinary Diploma in Mining Engineering
- iv) Ordinary Diploma in Mineral Processing Engineering
- v) Ordinary Diploma in Environmental Engineering and Management in Mines
- vi) Ordinary 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.

“**NACTE**” means the National Council for Technical Education established under the Act No. 9 of 1997.

“**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 =  $\Sigma$  (Grade points x Credits)/  $\Sigma$  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.

**“Registrar of Student and Examinations”** means a person appointed by the Institute on such terms and conditions as the Institute may consider necessary for the registration of students and examinations.

**“Invigilator”** means an officer in charge of candidates in an examination room to ensure that the examination is properly conducted and no candidate cheats.

**“Principal”** means the Principal 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 years 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 Principal 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 Registrar of Students and Examinations before the deadline for receipt of the form, provided that no Examination Registration Form shall be accepted by the Registrar of Students and Examinations 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 Registrar of Students and Examinations shall within a prescribed time cause the registration of the candidate for examination.

#### **Examinable modules**

- 1) The Registrar of Students and Examinations shall prescribe from semester to semester the examinations to be conducted by the Institute. Provided that the Principal may order a special examination or re-examination in one or more modules.
- 2) The Registrar of Students and Examinations 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 Principal 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:-

- a) Written question papers which they shall be required to answer in writing;
  - b) Practical examinations as provided for in the curriculum for the respective modules;
  - c) Presentations as provided for in the curriculum for the respective modules; and
  - d) Industrial Practical Training and Project reports
- 1) Provided that the management of practical and Industrial Practical Training examinations, unless otherwise specified, shall be assessed by examiners appointed by Principal
  - 2) 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.
  - 3) 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.
  - 4) 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 Principal.

### **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 Principal 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 Registrar of Students and Examinations. Such cases will be referred to the Principal 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 Registrar of Students and Examinations 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 Principal
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. A person 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 Registrar of Students and Examinations 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 Principal 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:
  - c) Have a teaching experience of not less than three years.
  - d) 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 Principal.
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 Registrar of Students and Examinations 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 Registrar of Students and Examinations through a written communication.
5. No person other than the Principal or Registrar of Students and Examinations 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 Institute Academic 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 Institute Academic Committee for 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 Institute Academic Committee (IAC).
- c) Final results for end of semester examinations shall be approved by the **Institute Advisory Board (IAB)**

The Committees and Board shall have the compositions and functions as stipulated below:

- a) Departmental Academic Committee (DAC)

The Departmental Academic Committee (DAC) shall constitute the following members:

- i. Head of Department- Chairperson
- ii. Departmental Academic Coordinator - Secretary
- iii. Teaching staffs of the Department in that particular Semester - Members

- iv. An Appointee of the Principal - Member
- v. Course Coordinator (s) - Member(s)

Responsibilities of Departmental Academic Committee (DAC) are:

- i. To discuss the module outlines and assessment plans prepared by Tutors before being used.
- ii. To approve the Continuous Assessment results for the modules belonging to the particular Department,
- iii. To review External Examiners reports of the particular department.
- iv. To discuss problems of setting, moderation, invigilation, supervision, marking and all matters related to examinations.
- v. To discuss and review examination results of all students in the department and recommend students' examinations performance to the Institute Academic Committee (IAC). (For modules which are offered by other Department(s), their approval shall involve consultation from respective Department,)
- vi. To discuss report findings and recommendation for improvements to the Institute Academic Committee (IAC).
- vii. To discuss the general performance of students.
- viii. To meet at least twice per academic year to deliberate on items (i) to (vii) above.

b) Institute Academic Committee (IAC)

The Institute Academic Committee (IAC) shall constitute the following members:

- i. Deputy Principal – Academics, Research and Consultancy- Chairperson
- ii. Registrar of Students and Examinations - Secretary
- iii. Head of Academic Departments and Units - Members
- iv. Examinations Officer - Member
- v. Admission Officer - Member
- vi. Head of ICT - Member
- vii. Head of QA/QC - Member
- viii. Minister for Academic Affairs for MRISO – Member

Responsibilities of IAC are:

- i. To Approve student admissions to various academic programmes,
- ii. To review external examiners reports at all departments,
- iii. To receive and discuss DAC reports,
- iv. To review performance of all students as well as to discuss on pass / fail / incomplete / withheld and any other examination issues related to candidates. The Committee shall write the report and submit to the Principal, to recommend students' examinations performance to the Institute Advisory Board (IAB),
- v. To initiate, discuss and recommend academic policies to the IAB,
- vi. To approve and release provisional examinations results,
- vii. To meet at least twice per academic year to deliberate on items (i) to (vii) above.



c) Institute Advisory Board (IAB)

The Institute Advisory Board (IAB) shall constitute members appointed by the Minister of Minerals. Principal may appoint MRI members to attend the board meeting as resource personnel.

For the purpose of these Regulations, the responsibilities of the IAB are:

- i. Approve establishment of new academic programmes,
- ii. Approve end of semester examination results,
- iii. Receive student's examination appeals and make final decisions,
- iv. To recommend student examinations performance to the NACTE,
- v. To discuss and recommend academic policies to the Examinations and Awards Division of NACTE for approval,
- vi. To meet at least twice per academic year to deliberate on items (i) to (v) above.

**Publication of Results**

1. The Registrar of Students and Examinations shall publish the provisional results of an examination in such manner as directed by the Institute Academic Committee before submitting to the Institute Advisory Board (IAB).
2. The final results of candidates in every examination shall be published by Registrar of Students and Examinations after being approved by Institute Advisory Board (IAB).
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 IAC.
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 Principal in consultation with IAC 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 Registrar of Students and Examinations 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 Registrar of Students and Examinations under the directives of the Deputy Principal – Academics, Research and Consultancy/ Principal.
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 Principal in consultation with the IAC may cancel the examination and order other examination.

#### *Examination Irregularities*

- a) All cases of suspected or proved examination irregularities shall be referred to Institute's Academic Committee (IAC) 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 IAC.
- 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 IAC.
- iv. Any candidate found guilty of committing an examination irregularity may appeal to the IAB in accordance with the provisions of these regulations.
- v. The IAB 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 IAB 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 IAC.
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 Principal - Academics, Research and Consultancy/ Principal 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 Registrar of Students and Examinations. The attendance sheet must be handed to the Registrar of Students and Examinations at the end of each session.
- iv). Invigilators shall hand over all extra examination papers to the Registrar of Students and Examinations.

*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 Institute Advisory Board (IAB).
- ii). All appeals must be lodged to Principal 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 IAB shall be charged for any further appeals or application for review of appeal decision.

*Penalties in the case of Markers and Checkers*

***The Institute Academic Committee shall 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:

Academic Transcript – Tshs. 10,000/= (per request)

Student's Academic Performance (Provisional Results) – Tshs. 5,000/= (per request)

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 ( $GPA \geq 1.8$ ).
2. For a candidate to continue with next semester or next academic year studies, he/ she shall obtain an overall  $GPA \geq 2.0$  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  $GPA \geq 1.8$  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 ( $\frac{1}{4}$ ) 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 IAC.
  - 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 Principal 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:

<b>Class of Award</b>	<b>Cumulative GPA</b>
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 Institute Academic Committee and approved by the Institute Advisory Board (IAB).

### **Practical Training**

#### *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.

## PROFILES OF ACADEMIC DEPARTMENTS

### MINING AND MINERAL PROCESSING ENGINEERING DEPARTMENT

Module Offered by Mining and Mineral Processing Engineering Department

This Department offers a three-year programme leading to Ordinary Diploma in Mining Engineering; Mineral Processing Engineering and Environmental Engineering and Management in Mines. In order to keep abreast with global technological changes, the current system ensures that learners possess the necessary required competences that can be applied 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.

The department has adequate resources to run its programme, which include workshop and classrooms, fourteen (14) teaching staff in which two (2) members of staff are in study leave.

#### 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 in Mine and Civil Works
MNT04102	Surface Mining Methods	MNT04202	Mine Equipment Operations and Maintenance
MNT04103	Rock Properties for Drilling and Blasting	MNT04203	Safety Practices in Mine and Civil Works
MNT04104	Drilling Machine Operations and Maintenance	MNT04204	Risk and Disaster Management in Mine Works
MPT04101	Basics of Mineral Processing	MNT04205	Industrial Practical Training (IPT)
GET04101	Introduction to Geology	GET04203	Principles of Land Surveying
MTT04101	Algebra and Geometry	MTT04201	Trigonometry and Complex Numbers
PHT04102	Basics of Mechanics	PHT04202	Vibrations and Waves
CTT04103	Computer Applications	EDT04204	Introduction to Entrepreneurship
TDT04106	Technical Drawing	CAT04205	Computer Aided Drafting
CST04203	Communication Skills		

**NTA Level 5: Technician Certificate in Mining Engineering**

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>MNT05101</b>	Rock Excavation Engineering	<b>MNT05201</b>	Team Management Skills
<b>MNT05102</b>	Rock Mechanics	<b>MNT05202</b>	Legal Framework in Mining
<b>MNT05103</b>	Underground Mine Support Installation	<b>MNT05203</b>	Ore Dilution and Product Control
<b>GET05101</b>	Economic Geology	<b>MNT05204</b>	Industrial Practical Training (IPT)
<b>GET05104</b>	Control Surveying	<b>CHT05201</b>	Atomic Structure and Radioactivity
<b>MTT05101</b>	Calculus and Numerical Methods	<b>CST05202</b>	Communication and Business Correspondences
<b>PHT05102</b>	Electricity and Magnetism	<b>EDT05203</b>	Venture Creation and Business Plans
<b>CTT05103</b>	Computer Networks and Database Systems		
<b>TRT05104</b>	Technical Report Writing		

**NTA Level 6: Ordinary Diploma in Mining Engineering**

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>MNT06101</b>	Underground Mining Methods	<b>MNT06201</b>	Mine Transportation
<b>MNT06102</b>	Mine Ventilation and Air Conditioning	<b>MNT06202</b>	Supervisory Skills in Mining Industry
<b>MNT06103</b>	Waste Dumps, Stockpiles and Tailings Dam Design	<b>MNT06203</b>	Mine Design Software
<b>GET06103</b>	Mine Surveying	<b>MNT06204</b>	Mining Engineering Projects
<b>MTT06101</b>	Linear Programming and Critical Path Methods	<b>MPT06203</b>	Basics of Mineral Economics and Finance
<b>PHT06102</b>	Heat and Thermodynamics	<b>MTT06201</b>	Probability and Statistics
<b>CTT06103</b>	Introduction to Information Technology	<b>EDT06202</b>	Entrepreneurship Creativity and Innovation

**NTA Level 4: Basic Technician Certificate in Mineral Processing Engineering**

Semester I		Semester II	
Code	Module Title	Code	Module Title
MPT04101	Basics of Mineral Processing	MPT04201	Comminution and Classification
MPT04102	Sampling and Assaying	MPT04202	Mineral Processing Laboratory I
MPT04103	Environmental Health and Safety in Laboratory and Plant Operations	MPT04203	Dewatering and Tailing Disposal
GET04101	Introduction to Geology	MPT04204	Industrial Practical Training (IPT)
MTT04101	Algebra and Geometry	MTT04201	Trigonometry and Complex Numbers
PHT04102	Basics of Mechanics	PHT04202	Vibrations and Waves
CTT04103	Computer Applications	EDT04204	Introduction to Entrepreneurship
TDT04104	Technical Drawing	CAT04205	Computer Aided Drafting
CST04203	Communication Skills		

**NTA Level 5: Technician Certificate in Mineral Processing Engineering**

Semester I		Semester II	
Code	Module Title	Code	Module Title
MPT05101	Physical Mineral Concentration	MPT05201	Pyro metallurgy
MPT05102	Froth Flotation	MPT05202	Maintenance of Plant and Laboratory Equipment
MPT05103	Hydrometallurgy	MPT05203	Industrial Mineral and Gemstone processing Technology
MPT05104	Metallurgical Test Work and Interpretation	MNT05202	Legal Framework in Mining
GET05105	Economic Geology	MPT05204	Industrial Practical Training (IPT)
MTT05101	Calculus and Numerical Methods	CHT05201	Atomic Structure and Radioactivity
PHT05102	Electricity and Magnetism	CST05202	Communication and Business Correspondences
CTT05103	Computer Networks and Database Systems	EDT05203	Venture Creation and Business Plans
TRT05104	Technical Report Writing		

**NTA Level 6: Ordinary Diploma in Mineral Processing Engineering**

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>MPT06101</b>	Mineral Processing Plant Flowsheet Design	<b>MPT06201</b>	Supervision of Mineral Processing Plant Operations
<b>MPT06102</b>	Introduction to Metallurgical Accounting	<b>MPT06202</b>	Fundamental of Mineral Processing Control
<b>MPT06103</b>	Mine Waste Management.	<b>MPT06203</b>	Basics of Mineral Economics and Finance
<b>MPT06104</b>	Cyanide Management in Mining	<b>MPT06204</b>	Mineral Processing Engineering Projects
<b>MTT06101</b>	Linear programming and Critical Path Methods	<b>EDT06202</b>	Entrepreneurial Creativity and Innovation
<b>PHT06102</b>	Heat and thermodynamics	<b>MTT06203</b>	Probability and Statistics
<b>CTT06103</b>	Introduction to Information Technology		

**NTA Level 4: Basic Technician Certificate in Environmental Engineering and Management in Mines**

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>EMT04101</b>	Mining and the Environment	<b>EMT04201</b>	Environmental Chemistry and Pollution
<b>EMT04102</b>	Geology and the Environment	<b>EMT04202</b>	Land Contamination and Reclamation
<b>EMT04103</b>	Petroleum Technologies and the Environment	<b>EMT04203</b>	Environmental Sampling and Monitoring
<b>EMT04104</b>	Mineral Processing and the Environment	<b>EMT04204</b>	Occupational Health and Safety in Mining Industry
<b>MTT04101</b>	Algebra and Geometry	<b>EMT04205</b>	Industrial Practical Training (IPT)
<b>PHT04102</b>	Basics of Mechanics	<b>MTT04201</b>	Trigonometry and Complex Numbers
<b>CTT04103</b>	Computer Applications	<b>PHT04202</b>	Vibrations and Waves
<b>TDT04104</b>	Technical Drawing	<b>EDT04204</b>	Introduction to Entrepreneurship
<b>CST04203</b>	Communication Skills	<b>CAT04205</b>	Computer Aided Drafting



**NTA Level 5: Technician Certificate in Environmental Engineering and Management in Mines**

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>EMT05101</b>	Nursery Preparation and Management	<b>EMT05201</b>	Team Management Skills
<b>EMT05102</b>	Flora and Fauna Relocation and Management	<b>EMT05202</b>	Industrial Practical Training (IPT)
<b>EMT05103</b>	Legal Framework in Environmental Management	<b>MPT06201</b>	Cyanide Management in Mining
<b>MTT05101</b>	Calculus and Numerical Methods	<b>CHT05201</b>	Atomic Structure and Radioactivity
<b>PHT05102</b>	Electricity and Magnetism	<b>CST05202</b>	Communication Correspondences
<b>CTT05103</b>	Computer Networks and Database Systems	<b>EDT05203</b>	Venture Creation and Business Plans
<b>TRT05104</b>	Technical Report Writing		

**NTA Level 6: Ordinary Diploma in Environmental Engineering and Management in Mines**

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>EMT06101</b>	Water and Land Pollution Control	<b>EMT06201</b>	Mine Wastes Management
<b>EMT06102</b>	Water Treatment Engineering	<b>EMT06202</b>	Noise and Vibration Control
<b>EMT06103</b>	Air Pollution Control	<b>EMT06203</b>	Environmental Engineering and Management Projects
<b>MTT06101</b>	Linear Programming and Critical Path Methods	<b>MNT06202</b>	Supervisory Skills in Mining Industry
<b>PHT06102</b>	Heat and Thermodynamics	<b>MTT06201</b>	Probability and Statistics
<b>CTT06103</b>	Introduction to Information Technology	<b>EDT06202</b>	Entrepreneurship Creativity and Innovation

## GEOLOGY AND MINERAL EXPLORATIONS DEPARTMENT

The Department offers Ordinary Diploma Certificate in Geology and Mineral Exploration and Petroleum Geosciences 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) emphasizes 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.

The department has adequate resources to run its programme, which include workshop and classrooms, twenty (20) teaching staff in which six (6) members of staff are in study leave.

### 8.1.1 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
<b>GET04101</b>	Introduction to geology	<b>GET04201</b>	Geological Mapping
<b>GET04102</b>	Health, Safety and Environment	<b>GET04202</b>	Geo-Laboratory Technology
<b>GET04103</b>	Principles of Land Surveying	<b>GET04203</b>	Environmental Hazards Monitoring
<b>GET04104</b>	Structural Geology	<b>MTT04201</b>	Trigonometry and Complex Numbers
<b>MTT04101</b>	Algebra and Geometry	<b>PHT04202</b>	Vibrations and Waves
<b>PHT04102</b>	Basics of Mechanics	<b>EDT04204</b>	Introduction to Entrepreneurship
<b>CTT04103</b>	Computer Applications	<b>CAT04205</b>	Computer Aided Drafting
<b>TDT04104</b>	Technical Drawing	<b>GET04204</b>	Industrial Practical Training (IPT)
<b>CST04203</b>	Communication Skills		

#### NTA Level 5: Technician Certificate in Geology and Mineral Exploration

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>GET05101</b>	Economic Geology	<b>GET05201</b>	Exploration Drilling
<b>GET05102</b>	Petrology	<b>GET05202</b>	Gemology
<b>GET05103</b>	Exploration Geochemistry	<b>GET05203</b>	Exploration Geophysics
<b>GET05104</b>	Control Surveying	<b>MNT05203</b>	Ore Dilution and Production Control
<b>MTT05101</b>	Calculus and Numerical Methods	<b>GET05204</b>	Industrial Practical Training (IPT)
<b>PHT05102</b>	Electricity and Magnetism	<b>CHT05201</b>	Atomic Structure and

			Radioactivity
<b>CTT05103</b>	Computer Networks and Database Systems	<b>CST05202</b>	Communication and Business Correspondences
<b>TRT05104</b>	Technical Report Writing	<b>EDT05203</b>	Venture Creation and Business Plans

#### NTA Level 6: Ordinary Diploma in Geology and Mineral Exploration

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>GET06101</b>	Mining Geology and Grade Control	<b>GET06201</b>	Mineral Exploration Project Management
<b>GET06102</b>	Mining Geology Software	<b>GET06202</b>	GIS Database Creation and Usage
<b>GET06103</b>	Mine Surveying	<b>MNT05202</b>	Legal Framework in Mining
<b>MTT06101</b>	Linear Programming and Critical Path Methods	<b>GET06203</b>	Final Year Project
<b>PHT06102</b>	Heat and Thermodynamics	<b>MTT06201</b>	Probability and Statistics
<b>CTT06103</b>	Introduction to Information Technology	<b>EDT06202</b>	Entrepreneurship Creativity and Innovation

#### NTA Level 4: Basic Technician Certificate in Petroleum Geosciences

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>PGT04101</b>	Health, Safety and Environment	<b>GET04201</b>	Geological Mapping
<b>PGT04102</b>	Elements of Petroleum Geology	<b>GET04202</b>	Geo-Laboratory Technology
<b>PGT04103</b>	Petroleum Structural Geology	<b>PGT04201</b>	Introduction to Paleontology
<b>GET04101</b>	Introduction to Geology	<b>PGT04202</b>	Sedimentology and Stratigraphy
<b>GET04103</b>	Principles of land surveying	<b>MTT04201</b>	Trigonometry and Complex Numbers
<b>MTT04101</b>	Algebra and Geometry	<b>PHT04202</b>	Vibrations and Waves
<b>PHT04102</b>	Basics of Mechanics	<b>EDT04204</b>	Introduction to Entrepreneurship
<b>CTT04103</b>	Computer Applications	<b>PGT04204</b>	Industrial Practical Training (IPT)
<b>CST04203</b>	Communication Skills		

### NTA Level 5: Technician Certificate in Petroleum Geosciences

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>PGT05101</b>	Seismic Fundamentals and Refraction Methods	<b>PGT05201</b>	Gravity and Magnetic Methods
<b>PGT05102</b>	Seismic Reflection Acquisition and Processing	<b>PGT05202</b>	Geo-Electric Methods
<b>PGT05103</b>	Petroleum Geo-chemistry	<b>PGT05203</b>	Petro physics and Well Logging
<b>MTT05101</b>	Calculus and Numerical Methods	<b>PGT05204</b>	Petroleum Geochemistry
<b>PHT05102</b>	Electricity and Magnetism	<b>PGT05205</b>	Industrial Practical Training (IPT)
<b>CTT05103</b>	Computer Networks and Database Systems	<b>CHT05202</b>	Organic Chemistry
<b>TRT05104</b>	Technical Report Writing	<b>CST05202</b>	Communication and Business Correspondences
<b>CHT05105</b>	Inorganic Chemistry	<b>EDT05203</b>	Venture creation and Business Plan
<b>CHT05106</b>	Physical Chemistry		

### NTA Level 6: Ordinary Diploma in Petroleum Geosciences

Semester I		Semester II	
Code	Module Title	Code	Module Title
<b>PGT06101</b>	Sequence Stratigraphy	<b>PGT06201</b>	Introduction to Drilling Engineering
<b>PGT06102</b>	Seismic Interpretation	<b>PGT06202</b>	Coring and Core Analysis
<b>PGT06103</b>	Principles of Basin Analysis	<b>PGT06203</b>	Geo-Information Management System
<b>PGT06104</b>	Introduction to Reservoir Engineering	<b>PGT06204</b>	Basics of Management and Legal Framework
<b>MTT06101</b>	Linear programming and Critical Path Methods	<b>PGT06205</b>	Final Year Project
<b>PHT06102</b>	Heat and Thermodynamics	<b>MTT06201</b>	Probability and Statistics
<b>CTT06103</b>	Introduction to Information Technology	<b>EDT06203</b>	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: Ordinary 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

<b>MTT06103</b>	Linear Programming Methods	<b>EDT06203</b>	Entrepreneurship Creativity and Innovation II
<b>LMT06104</b>	Control Surveying	<b>LMT06204</b>	Surveying Project Management II
<b>LMT06105</b>	Surveying Project Management I	<b>LMT06205</b>	Land and Mine Surveying Project II
<b>LMT06106</b>	Land and Mine Surveying Project I		

## **MRI STAFFLIST**

### **Office of the Principal**

#### **Principal**

E. M. Kapira, BSc (ARU), MSc (Halstad)

#### **Deputy Principal Academic, Research and Consultancy**

F. M. Mangasini, BSc, MBA, MIEM (Dar)

#### **Deputy Principal Finance and Administration**

K. I. Lwitakubi, BSc (Dar) MBA (UDOM), MSc (China)

#### **Coordinator - Nzega Compus**

N. S. Msengesi, BSc (Dar)

#### **Administrative Officer**

A. F. Lushara, BAEd (Meru), MBA (Dodoma)

### **Department of Mining and Mineral Processing Engineering**

#### **Head of Department**

S. H. Mkango, Grad Dip. (Australia); BSc (Dar)

#### **Teaching staff**

E. M. Kapira, MSc (Sweden), BSc (Dar)

K. I. Lwitakubi, MSc (China), MBA (Dodoma); BSc (Dar)

R. J. Mdoe, BSc (Dar), MSc (India)

P. K. Mbise, BSc (Dar), MSc (Norway)

D. K. Mjoge, FTC, BSc

I. R. Bulushi, BSc (Dar)

F. E. Paul, BSc (Dar)

M. R. Ngido, Ordinary Diploma (Mineral Resources Institute)

E. T. Guffu, BSc (Dar)

J. S. Rwabutaza, BSc (Dar)

J. M. Mtui, BSc (Dar)

N S. Chiwanga, B.Eng. (St. Joseph University of Tanzania), MSc (Aberdeen, UK)

D. C. Kaijage, BSc (Dar), MSc (Australia)

\*I. A. Mwakateba, BSc (Dar)

## **Department of Geology and Mineral Exploration**

### **Head of Department**

R. M. Singano, BSc (Dar), MSc (Australia)

### **Members**

F. M. Mangasini, Certified PPP Specialist (Virginia, USA), BSc, MSc, MBA (Dar)

J. M. Masunga, BSc (Dar)

E. M. Elias, BSc (Dar)

S. J. Brown, BSc (Dar)

Y. M. Nyakunga, BSc (Dodoma)

K. T. Somangiza, BSc (Dar)

W. C. Mpondo, BSc (Dar)

P. O. Maira, Ord. Dipl. (Mineral Resources Institute, Tanzania), BSc (Dodoma)

R. A. Mahuyu, BSc Education (Dodoma), MSc (China)

K. H. Komba, BSc, MSc (Dar)

G. A. Mchiwa, BSc (Dar), MSc (India)

G. A. Nkusa, BSc (Dar), MSc (India)

H. H. Mkumba, BSc (Dodoma), MSc (India)

\*R. Y. Mwanafunyo, BSc (Dar)

\*V. W. Pazzia, BSc (Dar)

\*M. A. Mwaikendo, BSc (Dar)

\*E. E. Mabugo, BSc (Dar)

\*D. E. Ngowi, BSc (Dar)

\*H. J. Chikwana, Ord. Dipl. (Mineral Resources Institute)

### **General Studies Department**

This Department offers a three-year fundamental module in Mining Engineering; Geology and Mineral Exploration, Petroleum Geosciences, Mineral Processing Engineering, Environmental Engineering and Management in Mines and Land and Mine Surveying. Their experience and services have been of great benefit to the community. The department has adequate resources to run its programme, which include workshop and classroom.

### **Head of Department**

E. S. Mrema, BSc (Dar)

### **Members of Staff**

K. R. Nzowa BED (Dar), MA (Dodoma), PhD (Dar)

F. I. Challo, Ord. Dipl. (Mineral Resources Institute), BSc. Education (Dar)

S. A Saeid, BSc. Education (Dodoma), MSc (Arusha)

T. F. Rwechungura, BSc. Education (Tumaini University, Tanzania)

H. T. Hermenegild, B. Eng. (St. Joseph University in Tanzania)

## **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**

N. S. Msengesi, BSc (Dar)

#### **Deputy Principal – Academic, Research and Consultancy**

E. G. Mutalani, BSc (Dar), MSc (University of British Columbia, Canada)

#### **Deputy Principal –Finance and Administration**

A. K. Mutagulwa, BSc (Dar), MSc (Australia)

### **HEADS OF ACADEMIC AND RELATED DEPARTMENTS AT NZEGA CAMPUS**

#### **Geology and Mineral Exploration Department**

F. N. Makyo, Post Graduate Diploma (Netherlands), BSc (Dar), MSc (Netherlands)

#### **Mining and Mineral Processing Engineering Department**

J. J. Mollel, BSc (Dar), MSc (Arusha)

#### **Teaching Staffs**

W. H. Kibwana, BSc (Dar)

L. M. Mkoy, BSc (Dar)

M. O. Mahundu, BSc (Dar)

J. S. Sarota, BSc (Dar), MSc (Arusha)

J. J. Mollel, BSc (Dar), MSc (Arusha)

P. J. King'ola Diploma in Education (Monduli Teachers College), BSc. Education (Iringa)

\*A. S. Rwakajungute, BSc (Dar), MSc (Australia), MBA (Dodoma)

\*J. A. Mlay, Ord. Dipl. Mineral Processing Engineering (Mineral Resources Institute)

\*M. T. Msacky, BSc (Dar), Post. Grad. in Education (Dodoma)



## **INTRODUCTION**

Dar es Salaam University College of Education (DUCE) became a constituent College of the University of Dar es Salaam on 1<sup>st</sup> September 2005. DUCE currently offers four undergraduate degree programmes which are:

1. Bachelor of Education in Arts (BEd Arts)
2. Bachelor of Education in Science (BEdSc.)
3. Bachelor of Arts with Education (BAEd.)
4. Bachelor of Science with Education (BScEd.)

For the BAEd and BScEd Programmes, students will take a combination of any two teaching subjects and Education. Bachelor of Education students take one teaching subject and education. In addition, all students take College-wide courses in Communication Skills and Development Studies. They also do Teaching Practice in their first and second years.

## **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 University of Dar es Salaam in its various academic units are:

### **Faculty of Education (FoED)**

Bachelor of Education in Arts (BEd Arts)  
Bachelor of Education in Science (BEd Sc.)

### **Faculty of Humanities and Social Sciences (FoHSS)**

Bachelor of Arts with Education (BA Ed.)

### **Faculty of Science (FoSC)**

Bachelor of Science with Education (BSc Ed.)

For more information on the undergraduate programmes offered, admission criteria and other services by DUCE kindly visit: <http://www.duce.ac.tz/>

## **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 National Bank of Commerce (NBC), Account Number 071101000196 and bank pay –in slip should be submitted to the bursar's office for issuing a receipt.

Fees Payable by Students:

<b>Tuition Fee (TZS)</b>	<b>Faculty</b>	<b>Degree Programme</b>
1,000,000/=	FoHSS	BAEd
	FoED	BEd Arts
1,300,000/=	FoS	BScEd
	FoED	BEdSc

In addition to the tuition fee each student (regardless of sponsorship or the Means Testing Grade)

**MUST** pay the following approved Direct University Costs

<b>Cost Item</b>	<b>Amount (TZS)</b>
Medical Capitation	50,400
Registration	5,000
Examination Fee	12,000
Identity Card	5,000
Daruso Fee	5,000
<b>Total</b>	<b>77,400</b>

**NB:**

Students need to have separate funds to cater for stationery, books, meals and accommodation.

**MEMBERS OF THE GOVERNING BOARD**

<b>S/N</b>	<b>NAME</b>	<b>AFFILIATION</b>	<b>CONTACTS</b>	<b>TELEPHONE</b>
1.	Prof. W. A. L. Anangisy	Chairperson Vice Chancellor - UDSM	P.O. Box 35091 University of Dar es Salaam	022-2410700
2.	Professor B. Rutinwa	DVC-Academic- UDSM	P.O. Box 35091 University of Dar es Salaam	0754261124
3.	Prof. S. Maluka	Principal-DUCE	P.O. Box 2329 DUCE	0739843838
4.	Eng. J. Kisamo	Representative from UDSM Council	P.O. Box 35091 University of Dar es Salaam	022-2410169
5.	Prof. N. Boniface	DUS-UDSM	P.O. Box 35091 University of Dar es Salaam	0769754691
6.	Prof. E. W. Dungumaro	Principal - MUCE	Mkwawa University College of Education P.O. Box	075-753 396

7.	Mr. B. N. Oganga	Assistant Director – TAMISEMI	Ministry of Regional Adminuistratiobn and Local Government- DODOMA	0752-313515
8	CPA A. Mhere	Chief Internal Auditor Ministry of Education Science and Technology	P.O. Box 10 40479 Dodoma	0784 424 141
9	Dr. F. Chuma	Chairperson UDASA-DUCE	P.O. Box 2329 Dar es Salaam	0759532764
10	Dr. Masamba M. Kweba	Representative THTU- DUCE	P.O. Box 2329 Dar es Salaam	0621220385
11	Mr. Said Masanga	Representative DARUSO-DUCE	P.O. Box 2329 Dar es Salaam	0689691020
12	Mr. F. Swai	Head, Legal Unit-DUCE	P.O Box 2329 Dar es Salaam	0784361119

## PRINCIPAL ADDRESSES

CENTRAL ADMINISTRATION  
P. O. Box 2329  
Dar es Salaam  
<http://www.duce.ac.tz>

Phone: +255 22 2850993  
Fax: + 255 22 2850952

PRINCIPAL  
P. O. Box 2329  
Dar es Salaam  
Email: [principal@duce.ac.tz](mailto:principal@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850975  
Fax: + 255 22 2850952

DEPUTY PRINCIPAL (ACADEMIC)  
P. O. Box 2329  
Dar es Salaam  
Email: [dpacademic@duce.ac.tz](mailto:dpacademic@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850978  
Fax: + 255 22 2850852

DEPUTY PRINCIPAL (ADMINISTRATION)  
P. O. Box 2329  
Dar es Salaam  
Email: [dppfa@duce.ac.tz](mailto:dppfa@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850072  
Fax: +255 22 2850852

DEAN OF STUDENTS  
P. O. Box 2329  
Dar es Salaam  
Email: [dos@duce.ac.tz](mailto:dos@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850862

COORDINATOR,  
UNDERGRADUATE STUDIES  
P. O. Box 2329  
Dar es Salaam  
Email: [cus@duce.ac.tz](mailto:cus@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850310

COORDINATOR, POSTGRADUATE STUDIES  
AND RESEARCH  
P. O. Box 2329  
Dar es Salaam  
Email: [cpgsr@duce.ac.tz](mailto:cpgsr@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850310

COORDINATOR OF QUALITY ASSURANCE  
P. O. Box 2329  
Dar es Salaam  
Email: [qa@duce.ac.tz](mailto:qa@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850310

COORDINATOR OF GENDER UNIT  
P. O. Box 2329  
Dar es Salaam  
Email:

General line: +255 22 2850993  
Direct line: +255 22 2850310

FACULTY OF EDUCATION  
P. O. Box 2329  
Dar es Salaam  
[deanfoe@duce.ac.tz](mailto:deanfoe@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850158

FACULTY OF HUMANITIES  
AND SOCIAL SCIENCES  
P. O. Box 2329  
Dar es Salaam  
Email: [deanfhs@duce.ac.tz](mailto:deanfhs@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850419

FACULTY OF SCIENCE  
P. O. Box 2329  
Dar es Salaam  
Email: [deanfoss@duce.ac.tz](mailto:deanfoss@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850415

LIBRARY  
P. O. Box 2329  
Dar es Salaam  
Email: [library@duce.ac.tz](mailto:library@duce.ac.tz)

General line: +255 22 2850993  
Direct line: +255 22 2850982

ESTATE DEPARTMENT  
P. O. Box 2329  
Dar es Salaam  
Email:

General line: +255 22 2850993  
Direct line: +255 22 2850110

HUMAN RESOURCES MANAGEMENT  
P. O. Box 2329  
Dar es Salaam  
Email: hrm@duce.ac.tz

General line: +255 22 2850993  
Direct line: +255 22 2850148  
Fax: + 255 22 2850852

DUCE DISPENSARY  
P. O. Box 2329  
Dar es Salaam

General line: +255 22 2850993  
Direct line: +255 22 2850164

AUXILLIARY POLICE  
P. O. Box 2329  
Dar es Salaam

General line: +255 22 2850993  
Direct line: +255 22 2850145

STUDENTS ORGANIZATION  
P. O. Box 2329  
Dar es Salaam  
Email: daruso@duce.ac.tz

General line: +255 22 2850993  
Fax: + 255 22 2850952

IT HELP CENTER  
P. O. Box 2329  
Dar es Salaam  
Email: itsupport@duce.ac.tz

General line: +255 22 2850993  
Fax: + 255 22 2850952

## **CHANG'OMBE DEMONSTRATION SCHOOLS**

SECONDARY SCHOOL  
P. O. Box 2329  
Dar es Salaam

General line: +255 22 2850993  
Direct line: +255 22 2850901  
Fax: + 255 22 2850952

PRIMARY SCHOOL  
P. O. Box 2329  
Dar es Salaam

General line: +255 22 2850993  
Direct line: +255 22 2850  
Fax: + 255 22 2850952

PRE-SCHOOL  
P. O. Box 2329  
Dar es Salaam

General line: +255 22 2850993  
Direct line: +255 22 2850180

## **DUCE STAFF LIST**

### **COLLEGE PRINCIPAL**

Prof. S. Maluka, BA, MA (Dar), PhD (Umea)

### **Deputy Principal (Academic)**

J. Mbuna BSc (Ed), MSc (Dar), PhD (Okayama)

### **Deputy Principal (Administration)**

N. Samwel, BAEd, MA, PhD (Dar)

### **Dean of Students**

N. Msuya, BAEd, MA (Dar)

### **Director, Library**

L. Mkonongwa, Dip. Ed. (Morogoro), BAEd, MA (Dar), PhD (Dublin)

### **Bursar**

M. Mohamed, CPA (T)

### **Coordinator Undergraduate Studies**

H. Onditi, BEd, MA (Dar), PhD (UBC)

### **Coordinator Postgraduate Studies and Research**

E. Babeiya, BA, MA, PhD (Dar)

### **Coordinator Quality Assurance**

E. Mbukwa, BSc (Ed) (Dar), M.Phil. (Gaborone), PhD (Johannesburg)

### **Coordinator Gender Unit**

C. L. Chua, Dip. Ed. (Morogoro) BAEd, MAEd PhD (Dar)

### **Coordinator Demonstration Schools**

K. Mjege, BEd (Dar), MIE (Massachussets), PhD (Beijing)

### **Dean, Faculty of Education**

J. J. Kayombo, BEd (Dar), MEd (Shanghai), PhD (Beijing)

### **Dean, Faculty of Humanities and Social Sciences**

E. Mwita, BA, MA (Dar), PhD (Bonn)

### **Dean, Faculty of Science**

C. Kacholi, BSc (SUA), MSc (Dar), PhD (Georg-August)

## **FACULTY OF EDUCATION**

### *Lecturer and Dean*

J. J. Kayombo, BEd (Dar), Med (Shanghai), PhD (Beijing)

### *Lecturer and Associate Dean*

B. P. Mlyakado, BEd, MA (Dar), PhD (Hong Kong)

### *Lecturer and Coordinator (Practicum)*

N. Rukondo, BAEd, MAEd, PhD (Dar)

## **Department of Educational Psychology and Curriculum Studies**

### *Lecturer and Head*

F. Kyaruzi, BEd, MED (Sc.) (Dar), PhD (LMU-Munich)

### *Lecturers*

\*\*\*A. C. Kafyulilo, BEd, MAEd (Dar), M.Sc. (EST), PhD (Twente)

A. M. Machumu, BAEd, MAASP, PhD (Dar)

A. Mwalongo, BAEd., MEd (Karachi), PhD (Waikato)

B. Mazzuki, BEdArts, MAEd, PhD (Dar)

B. P. Mlyakado, BEd, MA (Dar), PhD (Hong Kong)

F. Kyaruzi, BEd, MED (Sc) Dar, PhD (LMU-Munich)

H. Onditi, BEd, MA (Dar), PhD (UBC)

I. Buberwa, BAEd (Dar), MPhil (Oslo), PhD (Dar)

\*I. Moses, BEd, MAASP (Dar), PhD (Leiden)

L. Nzilano, Dip.Ed. (Morogoro), BEd (Arts), MAEd (Dar), PhD (Victoria)

L. K. Luhende, BAEd, MA, PhD (Dar)

L. Mjege, BEd (Dar), MIE (Massachusetts), PhD (Beijing)

M. Mkonongwa, Dip. Ed. (Morogoro), BAEd, MAASP (Dar), PhD (Dublin)

M. B. Mgumba, BAEd MA, PhD (Dar)

N. Mabula, BSc (Ed), MA (Dar), PhD (Konstanz)

N. Rukondo, BAEd, MAEd, PhD (Dar)

R. J. Mwakabenga Dip. Ed. (Mpwapwa)

S. M. Kejo, BAEd, MAEd (Dar), PhD (Victoria)

T. Venance BA, MAEd (Dar), PhD (LMU-Munich)

### *Assistant Lecturers*

E. Kyaruzi, Dip.Ed (Monduli), BA, MA (Dar)

\*F. Masath, BEd, MA (Dar)

G. Andrew, BEd, MA (Dar)

\*G. Nnko, BEd, MA (Dar)

T. Yotham, BAEd, MA (Dar)

J. Kipanda, BAEd, MAEd (Dar)

J. Mayega, BEd, MAEd (Dar)

\*J. Njiku, BEd, MEd (Sc) (Dar)

\*K. Dadi, BEd, MAEd (Dar)

K. Haule, BEd, MAEd (Dar)

\*L. Gabriel, BAEd, MAEd (Dar)

\*P. William, BEd, MA (Dar)

J. C. Ngunyale, BEd, MAEd (Dar)  
E. Kabelege, BAEd, MA (Dar)  
L. S. Misana, BAEd, MAEd (Dar)

*Tutorial Assistants*

A. B. Joseph, BEd (Arts) (Dar)  
B. S. Rwimo, BEd (Dar)  
I. M. Miwa, BEd (Dar)  
A. K. Makinda, BAEd (Dar)

**Department of Educational Foundations, Management and Lifelong Education**

*Lecturer and Head*

K. Fulgence, Dip. Ed. (Chang'ombe), BEd (Sc), (MBA) (Dar), PhD (Siegen)

*Senior Lecturer*

C. I. Raphael, Dip. Ed. (Mpwapwa), BEd (Arts), MEMA (Dar), PhD (Dublin)

*Lecturers*

C. L. Chua, Dip. Ed. (Morogoro) BAEd, MAEd, PhD (Dar)  
C. Swai, BEd, MEd, PhD (Dar)  
D. Fumpuni, BAEd, MAEd, PhD (Dar)  
J. J. Kayombo, BEd (Dar), MEd (Shanghai), PhD (Beijing)  
J. L. Manase MEd, PhD (UDOM)  
K. Fulgence, Dip. Ed. (Chang'ombe), BEd (Sc), (MBA) (Dar), PhD (Siegen)  
M. Bilinga, BAEd, MAEd, PhD (Dar)  
P. J. Urrio, Dip. Ed. (Korogwe), BEd, MAEd, PhD (Dar)  
P. Kavenuke, BEd (Dar), MEd. (Shanghai), PhD (Beijing)  
O. Bethwel, BEd (Arts), MAEd (Dar), PhD (Changchun)  
H. Mfaume, BEd, MAEd, PhD (Dar)

*Assistant Lecturers*

\*C. Nziku BAEd, MEMA (Dar)  
G. Shoo, Dip. Ed. (Mpwapwa), BEd (Arts), MEMA (Dar)  
\*R. Mgaya, BA, MA (Dar)  
\*A. Selemani, BAEd, MAEd (Dar)  
G. Kihwele, BEd (Arts), MAEd (Dar)  
H. Moyo, BAEd (Dar), MAEd (Liverpool)  
T. Shukrani, BEd, MEMA (Dar)

*Tutorial Assistants*

\*G. V. Mpiluka, BEd (UDOM)

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

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*Lecturer and Associate Dean*

J. W. Mngumi, BA, MA (Dar), PhD (Glasgow)



## **Department of Geography and Economics**

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E. Mcharo, BA, MA (Dar), PhD (Nairobi)

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A. A. Kinyondo, BA (Namibia), MA (Botswana), PhD (Monash)

E. Mwitwa, BA, MA (Dar), PhD (Bonn)

### *Lecturers*

D. Sabai, BA (Dar), MSc (Netherlands), PhD (Rhodes)

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J. W. Mngumi, BA, MA (Dar), PhD (Glasgow)

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A. B. Safari, BA, MA (Ec.) (Dar)

G. Hinju, BA, MA, PhD (Dar)

### *Assistant Lecturers*

\*M. Kauky BA, MA (Dar)

\*N. Nthangu BA, MA (Dar)

\*D. A. Lukiko, BA, MA (Dar)

S. Jumanne, BSc (Ed.) MA (Dar)

\*N. Msenda, BA, MA (Dar)

A. Miho, BA, MA (Dar)

\*J. Ngondo, BA (Dar), MSc (Nairobi)

M. Juvenary, BA (Dar), MSc (Nairobi)

B. Ally, BA (Dar)

S. Lwiza, BA, MA (Dar)

M. Joseph BA, MA (Dar)

L. Robert, BA (Mzumbe), MA (Dar)

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L. Philip, BAEd, MA, PhD (Dar)

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A. Lusekelo, BAEd, MA (Dar), PhD (Gaborone)

M. Samwel, BAEd, MA, PhD (Dar)

D. Goodness, BAEd, MA, MSc (Aston), PhD (Dar)

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R. Ndomba, BAEd, MA (Dar), PhD (Dublin)

B. Lema, BAEd, MA, PhD (Dar)

R. J. Mbijima, BAEd, MA, PhD (Dar)

M. Zacharia, BAEd, MA (Dar), PhD (Beyreuth)

F. Mwendamseke, BAEd, MA, PhD (Dar)

L. Mpalanzi BAEd, MA

E. Bwana BA, MA (Bayreuth) PhD (Dar).

J. Manyasa, BA, MA, PhD (Dar)

N. Nelius, BA, MA, PhD (Dar)  
D. Mosha, BAEd (Dar), MA (Nairobi), PhD (Dar)  
L. Kombe, BAEd., MA, PhD (Dar)

*Assistant Lecturers*

\*F. Pangani, BA, MA(Dar)  
\*R. Ndimbo, BA, MA(Dar)  
\*M. Kassimu, BAEd, MA (Dar)  
H. Masebo, BAEd, MA (Dar)  
\*M. Kibiki, BAEd, MA (Dar)  
\*C. Constantine, BA, MA(Dar) (Grenoble)  
\*O. Simile, BA, MA (Dar)  
\*A. Chipalo, BAEd, MA, (Dar)  
M. Israel, BA (Dar), MA (Beau)  
S. Misozi, BA (Dar), MA (Beau)  
\*S. S. Bichwa, BA, MA (Dar)  
\*E. Ilonga BAEd, MA (Dar)  
Y. Lukinga, BAEd, MAEd (Dar)  
E. J. Mkunde, BAEd MAEd (Dar)  
S. Msovera, BAEd MA (Dar)  
D. Atupelye, BAEd MA (Dar)  
M. Mgeja, BA (Dar) MAEd (Dar)  
D. Mwasunda, BA (Dar) MAEd (Dar)  
J. Simeo, BA (Dar) MAEd (Dar)  
M. Kapingu, BAEd, MAEd (Dar)  
\*K. Mdoe, BAEd. MA (Dar)  
S. M. Kiula, BAEd MA (Dar)  
Y. Mung'anya, BAEd (Mwanza), MA (Dar)  
J. E. Lameck, BAEd, MA, (Dar)  
S. Champunga, BAEd, MA. (Dar)  
G. Kitundu, BED. (Arts), MA (Dar)

*Tutorial Assistants*

\*F. Hamidu, BA (Dar)  
\*C. Shao BEd Arts (Dar)  
E. Kaswahili, BAEd (Dar)  
A. Sadiki, BAEd (Dar)

**Department of History, Political Science and Development Studies**

*Lecturer and Head*

F. J. Mateng'e, BA, MA, PhD (Dar)

*Senior Lecturers*

A. S. Msellemu BA, MA, PhD (Moscow)  
E. Babeiya, BA, MA, PhD (Dar)

*Lecturers*

F. J. Mateng'e, BA, MA, PhD (Dar)

B. Meli, BA, MA, PhD (Dar)  
V. Makulilo, BA, MA (Dar), PhD (Bayreuth)  
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D. P. Shayo, BAEd, MA (Dar) PhD (Muenster)  
J. S. Kihamba, BA, MA, (Dar)  
C. Masawe, BA, MA (Dar), PhD (London)  
S. Mhajida, BAEd., MA (Dar), PhD (Goettingen)  
M. Mwaihuti, BA, MA, PhD (Dar)  
N. K. Ngullu, BAEd, MA (Dar), PhD (Goettingen)  
Q. Kigume, BA, MA, PhD (Dar)  
R. S. Peter, BA, MA, PhD (Dar)

*Assistant Lecturers*

\*E. Kihongo, BAEd, MA (Dar)  
Y. A. Vokalavene, BAEd, (Dar), MA (London)  
Y. Yuli, BA, MA (Dar)  
\*N. Shiyo, BA (Dar), MA (Mzumbe)  
\*S. Dini, BA, MA (Dar)  
G. Magoti, BA (Dar), MA(Mzumbe)  
\*C. Masabo, Dip.Ed (Marangu), BA (Dar), MA (PAU/UYII), Mphil (NTNU)  
H. Mtanda, BA, MA (Dar)  
\*H. Alfani, BAEd, MA (Dar)  
S. Mtabazi, BA, MA (Dar)  
\*S. Ayo, BAEd, MA (Dar)  
P. Emmanuel, BA, MA (Dar)  
\*S. Mwakalinga, BA, MA (Dar)  
H. A. Kapuya, BA, MA (Dar)  
A. Kerindo, BAEd, MA (Dar)

*Tutorial Assistants*

H. Balalu, BAEd (Dar)  
\*B. Misana, BAEd (Dar)

**FACULTY OF SCIENCE**

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D. Kacholi, BSc (SUA), MSc (Dar), PhD (Goettingen)

*Lecturer and Associate Dean*

J. T. Zacharia, BSc Ed, MSc (Dar), PhD (Kobe)

*Senior Lecturers*

J. Mbuna, BScEd, MSc (Dar), PhD (Okayama)  
D. Kacholi, BSc (SUA), MSc (Dar), PhD (Goettingen)

**Department of Biological Sciences**

*Lecturer and Head*

F. Mwingira, BScEd, MSc (Dar), PhD (Basel)

*SeniorLecturer*

D. Kacholi, BSc (SUA), MSc (Dar), PhD (Goettingen)

*Lecturers*

J. Bakuza, BSc, MSc (Dar), PhD (Glasgow)

T. Marandu, BSc, MSc (Dar), PhD (Helmholtz)

N. Mogha, BSc (Ed) (Dar), MSc (Addis Ababa), PhD (Bonn)

F. Mwingira, BSc (Ed), MSc (Dar), PhD (Basel)

M. Mgendi, BSc (Ed), MSc, PhD (Dar)

S. Nkya, BSc, MSc (Dar), PhD (Dar)

F. Mkonyi, BSc, MSc (Dar), PhD (Arusha)

*AssistantLecturers*

\*D. Joseph, BSc (Dar), MSc (Dar)

L. Mulamula, BSc, MSc (Dar)

\*R. Alex, BSc, MSc (Dar)

O. John, BSc, MSc (Dar)

M. January, BSc (Dar)

A. Halima, BSc, MSc (Dar)

I. Makombe, BSc, MSc (Dar)

H. Kangusi, BSc (Dar), MSc (Dar)

*TutorialAssistants*

E. Erasto, BSc (Dar)

U. Mustafa, BSc (Dar)

**Department of Chemistry**

*Lecturer and Head*

D. Shilla, BSc (Dar), MSc (UB), PhD (Ryukyus)

*SeniorLecturers*

J. Mbuna, BScEd, MSc (Dar), PhD (Okayama)

*Lecturers*

J. T. Zacharia, BScEd, MSc (Dar) PhD (Kobe)

E. Mbukwa, BScEd (Dar), M.Phil. (UB), PhD (Johannesburg)

D. Shilla, BSc (Dar), MSc. (UB), PhD (Ryukyus)

\*\*F. Hamad, BSc (Dar), MSc (Dar), PhD (Gent)

S. Mlowe, BSc, MSc, PhD (Dar)

J. Mgaya, BSc, MSc, PhD (Dar)

*AssistantLecturers*

\*A. Kitalika, BScEd, MSc (Dar)

\*S. John, BSc, MSc (Dar)

\*M. Petro, BSc, MSc (Dar)

S. Mtavangu, BScEd, (Dar), MSc (Arusha)

P. Lucas BScEd, (Dar), MSc (Arusha)

*TutorialAssistant*

E. Nkotya, BSc (Dar)

## **Department of Physics, Mathematics and Informatics**

### *Lecturer and Head*

G. G. Mwanga, BScEd (Dar), MSc. (South Africa), PhD (LUT)

### *Lecturers*

G. G. Mwanga, BScEd (Dar), MSc (South Africa), PhD (LUT)

J. Mpele, BScEd (Dar) MSc (Nairobi), PhD (Arusha)

Y. Msambwa, BScEd, MSc, PhD (NTU)

Z. Mussa, BScEd, MSc (Dar), PhD (LUT)

T. Sagamiko, BSc, MSc, PhD (Dar)

F. Chuma, BSc, MSc (Dar), PhD (Arusha)

### *Assistant Lecturers*

F. Lolila, B. Ed (Sc). MSc (Dar)

H. H. Mwanyika, BScEd, MSc (Dar)

A. Sultan, BScEd, MSc (Dar)

J. Chiuyo, BSc, MSc (Dar)

\*E. Yohana, BSc (Dar), MSc (Witwatersrand)

\*E. Ngailo, BSc, MSc (Dar)

\*M. Ryoba, BSc, MSc (Dar)

F. Kapile, BSc, MSc (Dar)

E. Maloda, BSc, MSc (Dar)

M. Lusato, BSc, MSc (Dar)

\*D. Mukama, BScEd, MSc (Dar)

S. Semba, BSc, MSc (Dar)

S. Amos, BSc, MSc (Dar)

Y. Mnyawani, BSc, MSc (Dar)

### *Tutorial Assistants*

\*C. Charles, BSc (Dar)

D. E. Safari, BSc (Dar)

\*L. John, BSc (Dar)

\*C. Samson, BSc (Morogoro)

\*A. Okey, BSc (Dar)

\*A. Reuben, BSc (Dar)

\*C. C. Ngirwa, BSc (Dar)

\*S. Juma, BSc (Dar)

## **College Library**

### *Lecturer and Director*

L. Mkonongwa, Dip. Ed. (Morogoro), BAEd., MA (Dar), PhD (Dublin)

### *Assistant Librarians*

F. Ernest, BA (Botswana), MA (Dar)

D. H. Danda, BSc (UCLAS), MA (Dar)

P. Kayungi, Dip. Ed. (Morogoro), BEd. (PESC), MA (Dar)

E. E. Mallya, BSc (Makerere), MA (Dar)

*\*onstudies*

*\*\*On Leave of absence*

## **INTRODUCTION**

The Mkwawa University College of Education (MUCE) is located in the Southern Highlands of Tanzania in Iringa Municipality, about 13 kilometres from the center. MUCE was established as a constituent college of the University of Dar es Salaam (UDSM) on the 1<sup>st</sup> of September 2005 by upgrading the former Mkwawa High School, in response to the growing demand of teachers.

Mkwawa High School was first established as an “Ordinary” level secondary school in 1959 and was called St. George and St. Michael’s School. In 1964 it became a High School, officiated by the First President of the United Republic of Tanzania, the late Mwalimu Julius K. Nyerere. In 1977 it was converted into a teachers’ training college offering certificate and diploma programmes in teacher education. In 1992 it was turned back to a High School until March 2005, when it was upgraded to a constituent college of the University of Dar es Salaam, by order under Section 55(1) of the University of Dar es Salaam Act No. 12 of 1970 and published on 22<sup>nd</sup> July 2005 on Government Notice No. 2003.

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 into the College pursue undergraduate and postgraduate degree programmes in Science and Arts.

## **UNDERGRADUATE PROGRAMMES OFFERED**

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

### **Faculty of Education (FoED)**

Bachelor of Education in Arts (B.Ed. Arts)

Bachelor of Education in Science (B.Ed. Sc.)

### **Faculty of Humanities and Social Sciences (FoHSS)**

Bachelor of Arts with Education (BA Ed.)

### **Faculty of Science (FoSC)**

Bachelor of Science with Education (B.Sc. Ed.)

Bachelor of Science in Chemistry (B.Sc. Chem)

For more information on the postgraduate programmes offered, admission criteria and other services by MUCE kindly visit: <http://www.muce.ac.tz/> and <https://www.udsm.ac.tz/web/index.php/colleges/muce>

## ADMISSION REGULATIONS

1. All enquiries about admission should be addressed to:  
The Admission and Examinations Office  
Mkwawa University College of Education,  
P. O. Box 2513,  
Iringa Tanzania

E-mail: admission@muce.ac.tz:  
Tel. +255 26-2703195

### Bursaries and Fees

At the beginning of the academic year, each student will be required to produce evidence of sponsorship by the Government or any other organizations. Students under Government Loan Board are expected to pay their portion of the fees not covered by the Loan Board (based on mean test grade) at the beginning of the semester before they can be permitted to use the University facilities. Payment should be made through Government electronic Payment Gateway (GePG) using a control number provided by the Finance Department or generated from the Academic Registration Information System (ARIS).

*Table 9: Fees Structure for Undergraduate Students for the 2019/2020 Academic Year*

Faculty	Tuition Fees for Tanzanians (Tshs.)	Tuition Fees for Non- Tanzanians (USD)	Degree Programme
Education	1,000,000.00	2,100	Bachelor of Education in Arts
	1,300,000.00	2,700	Bachelor of Education in
Humanities and Social Sciences	1,000,000.00	2,100	Bachelor of Arts with Education
Science	1,300,000.00	2,700	Bachelor of Science with Education

In addition to the tuition fee, each student (regardless of sponsorship or the Government Loan Means Testing Grade) must pay the following approved Direct University Costs:

Cost Item	Tanzanians (Tshs.)	Non –Tanzanians (US\$)
Student Union Fee	5,000.00	5.00
ID Fee	5,000.00	5.00
Registration Fee	5,000.00	100.00
Examination Fee	12,000.00	120.00
Medical Capitation Fee	<u>50,400.00</u>	<u>125.00</u>
TCU/QAF	20,000	20
<b>TOTAL</b>	<b><u>97,400.00</u></b>	<b><u>375.00</u></b>

**Table 10: Direct Student Costs per Year (Payable Directly to Students)**

<b>Cost Item</b>	<b>Cost (Tshs.)</b>
Books and Stationery Allowance*	200,000.00
Meals and Accommodation Allowance*	2,040,000.00
<b>Total</b>	<b>2,240,000.00</b>

**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, track suits, gloves, lab coats, gloves, dissecting kit, protective eye glasses, mouth masks etc. or as a fund for teaching practice depending on the programmes. Students also need to have separate funds to cater for stationery, books, meals and accommodation.

## **SENIOR OFFICERS OF THE COLLEGE**

### **Principal**

Prof. E. W. Dungumaro, B.S.Ed., MA (Dar), PhD (Hitotsubashi)

### **Acting Deputy Principal Academic**

Dr. E. Haulle, BA (Dar), LLB (Dar), MA (GEM), PhD (Dar)

### **Acting Deputy Principal Administration**

Dr. F. Kimbokota, B.Sc., M.Sc., PhD (Dar)

### **Head, Office of the Corporate Counsel**

E. Kalengela, LLB, PDLP (Dar), LLM (RUCO), ACOPC (Judiciary)

### **Director, Human Resources and Administration**

E. Lyagoda (B.A), PSPA (UDSM), MBA HRM (RUCU)

### **Coordinator, Undergraduate Studies**

Dr. L. A. Mtashobya, Dip.Ed. (Dar), B.Ed. (Sc), M.Sc. (Dar), PhD (Southampton)

### **Coordinator of Postgraduate Studies, Research and Consultancy**

G. N. Shao, B.Sc. (Ed.) (Dar), M.Sc. (Kangwon), PhD (Hanyang)

### **Coordinator of Quality Assurance**

J. Emmanuel BSc.Ed., MSc (Dar), PhD (Southampton)

### **Dean Faculty of Education**

O. Kapinga, BA (Ed) (Dar), M.Ed., PhD (Åbo)

### **Dean Faculty of Humanities and Social Sciences**

H. Myeya, BA (Ed.), MA (GEM), PhD (Dar)

### **Acting Dean, Faculty of Science**

T. E. Kibona, B.Sc. (Ed), M.Sc., (Dar) PhD (Arusha)



**Head, Library**

A. Raymond (Ms), Dip (Ed) (Dar), BA Ed., MA(Ed) (Dar), PhD (Bristol)

**Chief Internal Auditor**

B. Kambo, B.A Accounting and Finance (SUA) PGD in Accountancy (IAA) CPA (NBAA)

**Head, Finance Department**

B. F. Madyedye, Principal Accountant, ADA (IFM), CPA (T), NBAA, MBA in Accounting and Finance (RUCU)

**Head, Procurement and Management**

F. Chitanda, ADPS (TIA), CPSP (T) (PSPTB), MSC PSCM (Mzumbe)

**Head, Public Relations Office**

J. Buliro, BA. (Public Relation & Advertising) (Dar), MA. Mass Com. (SAUT)

**Head, Systems Administration Unit**

I. Mwagha, Cert. Computer Arch. & Network (India), Inter Dip. ICT (IIT), B.Sc. IT (India)

**MUCE GOVERNING BOARD MEMBERS 2018/19 – 20120/2021**

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Ms. Mwanaidi Mtanda	Retired Accountant General	Vice Chairperson
Prof. Esther W.	Principal, MUCE	Member
Ms. Happiness W. Seneda	Regional Administrative Secretary, Iringa	Member
Prof. David A. Mfinanga	Representative of the Senate in the Council of the UDSM	Member
Prof. Stephen Maluka	Principal-DUCE	Member
CPA Imelda Mzatulla	Representative appointed by the Minister for Finance and Planning	Member
Prof. Adam Mwakalobo	University of Dodoma	Member
Mr. Mussa Hussein Idd	President, DARUSO - MUCE	Member
Mr. Deodatus Rutagwerela	Chairperson, THTU-MUCE	Member
Dr. Philpo John Gwevu	Chairperson, UDASA-MUCE	Member

## PRINCIPAL ADDRESSES

<p><b>Principal</b> P.O. Box 2513, Iringa Tel. 026-2702751 Ext. 177 Fax: 026-2702751 E-mail: principal@muce.ac.tz.</p>	<p><b>Deputy Principal -Academic</b> P.O. Box 2513, Iringa Tel. 026-2701192 Ext. 170 Fax: 026-2702751 E-mail: dpacademic@muce.ac.tz.</p>
<p><b>Deputy Principal -Administration</b> P.O. Box 2513, Iringa. Tel. 026-2701191 Ext. 182 Fax: 026-2702751 <a href="mailto:dpadministration@muce.ac.tz">E-mail: dpadministration@muce.ac.tz</a></p>	<p><b>Dean, Faculty of Education,</b> P.O. Box 2513, Iringa Tel. 026-2700630 Ext. 190 Fax: 026-2702751 E-mail: deanfoed@muce.ac.tz</p>
<p><b>Dean, Faculty of Humanities and Social</b> P.O. Box 2512, Iringa. Tel. 026-2700636 Ext. 195 Fax: 026-2702751 E-mail: deanfohss@muce.ac.tz</p>	<p><b>Dean, Faculty of Science,</b> P.O. Box 2512, Iringa. Tel. 026-2700632 Ext. 188 Fax: 026-2702751 E-mail: deanfos@muce.ac.tz</p>
<p><b>Head, Office of the Dean of Students,</b> P.O. Box 2513, Iringa. Tel. 026-2700634 Ext. 119 Fax: 026-2702751 E-mail: dos@muce.ac.tz</p>	<p><b>Head College Library,</b> P.O. Box 2512, Iringa. Tel. 026-2700637 Ext. 117 Fax: 026-2702751 E-mail: library@muce.ac.tz</p>
<p><b>Head, Finance Department</b> P.O. Box 2513, Iringa. Tel. 026-2700637 Ext. 168 Fax: 026-2702751 E-mail: finance@muce.ac.tz</p>	<p><b>Head, Estates Department</b> P.O. Box 2513, Iringa. Tel. 026-2701200 Ext. 147 Fax: 026-2702751</p>
<p><b>Medical Officer In-charge</b> P.O. Box 2513, Iringa. Tel. 026-2702751 Ext. 147 Fax: 026-2702751.</p>	<p><b>Students Organization (DARUSO-MUCE)</b> P.O. Box 2511, Iringa Tel. 026-2702751 Ext. 147 Fax: 026-2702751.</p>

## COLLEGE STAFF LIST

### The Office of the Principal

#### Associate Professor and Principal

Prof. E. W. Dungumaro, B.Sc.Ed, MA(Dar), PhD (Hitotsubashi)

#### Chief Internal Auditor

B. Kambo, B.A (Morogoro), PGD in Accountancy (IAA) CPA (NBAA)

*Coordinator of Quality Assurance Unit*

J. Emmanuel B.Sc. Ed., M.Sc. (Dar), PhD (Southampton)

*Head, Procurement Management Unit*

F. Chitanda, ADPS (TIA), CPSP (T) (PSPTB), MSC PSCM (Mzumbe)

*Head, Office of the Corporate Counsel*

E. Kalengela, LLB, PDLP (Dar), LLM (RUCO), ACOPC (Judiciary)

*Public Relations Office*

J. Buliro, BA (Dar), MA (Mwanza)

**The Office of the Deputy Principal (Academic)**

*Senior Lecturer and Acting Deputy Principal-Academic*

E. Haulle, BA (Dar), LLB (Dar), MA(GEM), PhD (Dar)

*Coordinator of Undergraduate Studies*

L. A. Mtashobya, Dip. Ed. (Dar), B.Ed. (Sc), M.Sc. (Dar), PhD (Southampton)

*Coordinator of Postgraduate Studies, Research and Consultancy*

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*Head, Library*

A. Raymond (Ms), Dip (Ed) (Dar), BA Ed., MA(Ed) (Dar), PhD (Bristol)

*Administrative Officer (Examinations & Admissions)*

M. Mashala, BA M.A (Ed) (Dar)

*Senior Administrative Officer (Academic)*

\*F. Ngajilo, BSc. Ed (Dar), MSc. Geog. & Env. Mgt. (Dar)

*Head, Students' Loans Office*

K. Mhema, B.A (Ed) (Dar)

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*Lecturer and Acting Deputy Principal-Administration*

F. Kimbokota, B.Sc., M.Sc., PhD (Dar)

*Senior Administrative Officer and Director of Human Resources and Administration*

E. Lyagoda, B.A (Dar), MBA (RUCU)

*Senior Administrative Officer (Staff Welfare & Transport)*

B. Mwakyeya, BE (Sc) (Dar), Mphil (SNE), (Oslo) MBA (RUCU)

*Administrative Officer*

P. Makafu B.A (Dodoma); MA (Morogoro)

*Administrative Officer*

G. Msolla, Dip.Secretarial Studies. (Shukrani), BBA (Iringa)

*Head, Planning Unit*

F. M. P. Mugizi, BA, MA (Dar), PhD (Tokyo)

*Planning Officers*

\*T. Mhongole, BA (Dar)

*Head, Investment and Resource Mobilization Unit*

R. Kapyolo, Adv. Dipl. (Dodoma), MSc (Morogoro)

*Head, Systems Administration Unit*

I. Mwagha, Cert. Computer Arch. & Network (India), Inter Dip. ICT (IIT), BSc (India)

*Head, Registry*

M. Waziri, Diploma. Records Management (TPSC)

*Head, Finance Department*

B. F. Madyedye, Principal Accountant, ADA (IFM), CPA (T), NBAA, MBA (RUCU)

*Head, Estates Department*

G. Ngelime, Dip. In Inter. Const. Mgt. (Bath), BSc (Dar)

***Head, Office of the Dean of Students***

L. Asajile, Dip. Ed (Korogwe), BA Sociology (Dar), MBA (Tumaini)

*Medical Officer In-Charge*

S. Lyuba, MD (Dar), MMED (KCMC)

*Head, Auxiliary Police Unit*

G. Mkumbi, Cert. Basic Police Training (CCP- Moshi), Cert. Inspectorate (Kidatu)

*Auxiliary Police*

K. Pius, Cert. Basic Prison Training (Kiwira-Mbeya), Certificate in Law (UDSM)

S. Ntinginya, Cert. Basic Police Training (CCP- Moshi)

W. Mboje, Cert. Basic Police Training (CCP- Moshi) Dipl. in Comm Devel (RUNGEMBA)

N. Nyimbo, Cert. Basic Police Training (CCP- Moshi)

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R. Kibajiro, Diploma in Secretarial Studies (TPSC)

**Educational Psychology and Curriculum Studies**

*Lecturer and Acting Head of Department*

V. J. Cosmas, B.Ed. (Psy), MAASP, PhD (Dar)

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S. Mkimbili, B.Ed. (Sc), M.Ed. (Dar), PhD (Oslo)

H. Iddy, B.Ed. (Arts), M.A.Ed. (Dar). PhD (University of Newcastle)

*Assistant Lecturers*

\*W. Maliva, B.Ed. (Arts), MAEd. (Dar)

E. A. Kibonde, BA. Ed, M.A.Ed (Dar)

B. Luvanga, Dip. Ed (Klerruu), B.Ed. (Science), M.Ed (Science) (Dar)

\*F. Magidanga, BAEd., MAEd. (Dar)

\*H. Mpate, B.Ed. (Science), MAEd. (Dar)

\*M. Mhewa, B.Ed., MAEd. (Dar)

\*W. Kasuga, B.Ed. (Science), M.Ed. (Science. (Dar)A. Lazaro, B.Ed. (Arts), MAEd. (Dar)

\*A. S. Msangi, BA (Geography); PGDE, MAEd., (Dar)

\*V. Jubeck, B.Ed Arts., MAEd (Dar)

B. T. Mbwile, BSc. Ed., M.Ed (Sc) (Dar)

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F. L. Mtesigwa, Dip. Ed (Bunda), BA Ed., MAEd (Dar)

V. P. Mallya, BA Ed (Dar), MAED (Dar)

*Tutorial Assistants*

\*D. L. Mosha, BA. Ed. (Dar)

\*M. A. Stephano, BSc. Ed (Dar)

\*U. Jeremia, B.Ed. (Sc.) (Dar)

E. B. Mng'ong'o, B.Ed Arts (Dar)

**Educational Psychology**

*Senior Lecturer*

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*Lecturers*

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V. J. Cosmas, B.Ed. (Psy), MAASP, PhD (Dar)

E. Ismael, B.Ed. (Psych), MAASP., PhD (Dar)

J. R. Milinga, B.Ed. (Arts), MAASP (Dar)

### *Assistant Lecturers*

- \*E. Ndomondo, Dip. Ed. (Marangu), B.Ed. (Psych), MAASP (Dar)  
L. Balenzi, B.Ed. (PESC), M.Ed. (Science) (Dar)  
H. J. Kihaga, B.Ed. (Sc.), M.Ed (Sc (Dar)  
\*M. Asagwile, Dip. (Ed.) (Klerruu), B.Ed. (Science), M.Ed (Science) (Dar)  
\*C. Mbilinyi, Dip. Ed. (Mpwawa), Bachelor of Counselling (Tumaini University-Iringa), MAASP (Dar)  
\*N. Rashid, B.Ed (Arts), MAASP (Dar)

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\*J. R. Shuma, B.Ed. (Arts), MAEd (Dar)  
E. Makishe, B.Ed (Psych), MEMA (Dar)  
D. H. Mrema, BA Ed., MEMA (Dar)  
K. D. Kaduma, B.Ed Arts., MEMA (Dar)

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\*A. Ngao, BEEM (Morogoro)  
K. A. Haule, B.Ed Sc (Dar)

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O. Magava, Dip.Ed. (Korogwe), B.Ed. (Arts), M.A.Ed., PhD (Dar)

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\*A. Manase, Dip. Ed., (Dar), B.Ed. (Science) MEMA (Dar)  
\*S. J. Mgaiwa B.Ed. (Arts); MEMA (Dar)  
\*Z. Malyatangasi, B.Ed. (Arts), MEMA (Dar)  
A. Boreka (Ms), BA Ed., MEMA (Dar)

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#### *Lecturer and Examination Officer*

U.S. Msemwa, BA, MA., PhD (Dar)

*Secretary*

D. Nchemwa, Cert., Diploma (Secretarial),(TPSC)

Department of Geography and Economics

*Lecturer and Head of the Department*

M. Mbise, BSc, MSc (Morogoro), PhD (Bunda)

Geography

*Senior Lecturers*

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Gilarowski, MA (GEM) (Warsaw Poland), PhD (Warsaw Poland)

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*Lecturers*

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F. Mugizi, BA, MA (Dar), PhD (Tokyo)  
C. Joseph, BA (Ed.), MA, PhD (Dar)

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\*J. Mkupete BA, MA (Dar)  
\*N. Kibiki, BA (Ed.), MA (Dar)  
P. Masolwa, BA, MA (Dar)  
\*L. Donath, BA, MA (Dar)

Languages and Literature Unit

*Lecturer and Coordinator of the Unit*

S. Kaoneka, Dip. Ed (Morogoro), BA (Ed.), MA, PhD (Dar)

Linguistics

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S. Kaoneka, Dip. Ed (Morogoro), BA (Ed.), MA, PhD (Dar)

P. John, BA (Ed.), MA (Dar)  
F. Kilowoko, Dip. Ed (Morogoro), B.Ed, MA (Dar)  
P. Kanijo, BA (Ed.), MA (Dar)

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\*A. Kyando BA (Dar), MA (Osmania)  
M. Kiruya, BA, MA (Dar)  
A. Shinyaka, BA (Ed.) M.A (Dar)  
A. Amos, BA (Dar), M.A (Osmania)  
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*Assistant Lecturers*

\*M. Kalenge BA (Ed.), MA (Dar)  
J. Masamu, BA (Ed.) (Dar), MA (Jawaharlal Nehru)  
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A. Mihayo, BA (Ed.) (Dar)

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\*J. Kidasi, B.A (Ed.) (Dar)  
A. Wincheslaus, B.A (Ed.) (Dar)

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*Tutorial Assistant*

E. Dimbwe BA (Ed.) (Dar)  
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*Lecturer*

P. Mwashota, BA (Ed), MA., PhD (Dar)

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C. Maggati, Cert Ed, Dip. Ed. (Morogoro), BA (Ed.), MA (Dar)  
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\*P. Mhango Cert. Ed. (Butimba), BA (Ed.), MA (Dar)  
\*W. Mtega, BA (Ed.), (Morogoro), MA (Dar)

Department of History, Political Science and Development Studies

*Lecturer and Head of the Department*

S. Mteti, BA, MA, PhD (Dar)



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### *Lecturers*

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A. Jackson, BA (Ed.), MA, PhD (Dar)  
\*E. Mgaya, BA (Ed.) MA (Dar)

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J. Leonard, BA (Ed), MA (Dar)  
\*M. Bungaya, BA (Ed), MA (Dar)  
M. Kasimu, BA (Ed), MA (Mwanza)  
\*T. Ombori, BA, MA (Dar)  
\*H. Luoga, Dip. Ed. (Morogoro), BA (Ed.), MA (Dar)

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S. Nkwabi, B.A (Ed.), Dar

## Political Science

### *Lecturer*

P. Pastory, BA, MA, PhD. (Dar)

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\*M. Mgonja, Cert. Ed. (Kange), BA (Ed), MA (Dar)  
\*P. Thadey, BA, MA (Dar)  
Y. Daudi, Dip. Ed. (Korogwe), BA (Ed.) (Dar), M.P.P. (Peking).

### *Tutorial Assistants*

S.S. Mwalusamba BA (Ed.) (Dar)

## Development Studies

### *Lecturer*

C. Mulungu, BA (Ed.), MA, PhD (Dar)  
D. Manyerere, BA, MA, PhD (Dar)  
J. Poncian, BA (Ed) (Dar)), MA (Leeds), PhD (Newcastle)  
\*C.J. Mpambije, BA (Ed.), MA (Dar)

### *Tutorial Assistant*

\*G. Ndimbo, BA (Ed.) (Dar)

## **FACULTY OF SCIENCE**

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S. Mkoroma (Ms), Cert. Secretarial Studies (TPSC), Dip. Secretarial Studies (Dar)

*Office Attendant*

I. M. Ngaila

Department of Biological Sciences

*Lecturer and Head*

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M.I. Olotu, B.Sc., MIEM (Dar), PhD (NWU)

W.B. Washa, Dip. Ed (Dar), B.Sc. (Ed.), M.Sc. (Dar), PhD (Dar)

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A. Mwambala, BSc. Ed., MSc, PhD (Dar)

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I. Mrema (Ms), B.Sc. Ed., MSc (Dar)

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M. Shadrack, B. Ed (Sc.), MSc (Dar)

\*H.R. Mero, BSc., MSc (Morogoro)

\*V.T. Msoffe, BSc. Ed., MSc (Morogoro)

R. Mrutu BSc (Dar), MSc (Arusha)

*Tutorial Assistants*

A. Adamu, B. Ed (Sc.) (Dar)

*Principal Laboratory Technicians I*

\*F. Tukay, FTC (DIT), B.Sc. (SUA)

*Senior Laboratory Technicians II*

D. Yahaya (Ms), FTC (DIT), B.Sc. Ed. (SUA)

A.I. Halid, FTC (DIT)

Department of Chemistry

*Lecturer and Acting Head*

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*Senior Lecturers*

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### *Lecturers*

F. Kimbokota (Ms), B.Sc., M.Sc., PhD (Dar)  
L. A. Mtashobya, Dip. Ed. (DTC), B.Ed. (Science), M.Sc. (Dar), PhD(Southampton)  
J. Emmanuel B.Sc. Ed., M.Sc., PhD (Southampton)  
J. A. Mmongoyo, B.Sc. Ed., M.Sc. (Dar), PhD (MSU)  
R. Christopher, B.Sc. Ed., M.Sc., PhD (Dar)  
E. Elimbinzi (Ms), B.Sc. Ed., M.Sc., PhD (Dar)  
C. Fabian (Ms), B.Sc. Ed., M.Sc. (Dar) PhD (Botswana)

### *Assistant Lecturers*

J. Mkungu, B.Ed. (Science), M.Sc. (Dar)  
\*F. Ligate, B.Sc. Ed, M.Sc. (Dar)  
\*S. Hanolo, B.Sc. Ed., M.Sc. (Dar)  
\*R.P. Clement, B.Sc. Ed., M.Sc. (Dar)  
\*F.C. Kindole, BSc. Ed. MSc (Dar)  
F. Ngalaba, BSc. Ed., MSc (Dar)  
P.J. Chengula, BSc. Ed. (Dar), MSc (Arusha)

### *Tutorial Assistants*

H.M. Charles, BSc. Ed. (Dar)

### *Principal Laboratory Technicians II*

B.M. Chaffu, FTC (DIT), Adv. Dip. Marine Eng. (D.M.I.)

### *Senior Laboratory Technician II*

\*M. Yohana, FTC (DIT)

Department of Mathematics, Physics and Informatics

### *Lecturer and Acting Head*

J. I. Irunde, B.Ed. (Science), M.Sc. (Dar), PhD (Arusha)

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\*C. Magashi, B.Sc. Ed., (Dar) M.Sc. (Metropolitan)  
W. M. Wambura, BSc, (Dar), M.Sc. (Arusha)  
M. L. Vicent, B.Sc. Ed., (Dar), M.Sc. (RISS)  
J. K. Ndauka, BSc (Dar), MSc (TUTE)  
\*E. J. Kambo, BSc, MSc (Dar)

#### *Tutorial Assistants*

\*A.P. Mdee, BSc (Dar)  
\*I.J. Mrema, BSc (Dar)  
S.T. Joseph, BSc. (Dar)

#### *System Administrators*

A. Adam, B.Sc., M.Sc. (Dar)  
E. Z. Nsolo, B.Sc. (Computer Science) (Dar), M.Sc. (Comp. Sc.) (LIU)

## Mathematics

### *Lecturers*

A.P. Mtunya, B.Sc. Ed., M.Sc. (Dar), PhD (Arusha)  
J. I. Irunde, B.Ed., M.Sc. (Dar) PhD (Arusha)  
C. Stephen, B.Ed., M.Sc. (Dar), PhD (PNU)  
M. Aloni, BA, MA, PhD (Dar)

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G. Wingi, B.Ed. (Dar), PGD (AIMS, RSA), M.Sc. (Lappeenranta)  
\*A. Said (Ms), B.Ed (Dar), PGD (AIMS, RSA), M.Sc. (Stellenbosch)  
\*R. Nyakale, B.Sc., MA, (Dar)  
\*B. G. Mng'ong'o, Dip. Ed. (Mkwawa), B.Ed. Sc., M.Sc. (Dar)  
\*J. Mwasunda, B.Sc. Ed., M.Sc. (Dar)  
\*J. Mlyahilu, B.Ed. (Dar), MSc (Korea)  
F. Luhanda, B.Ed. (Dar), MSc (Japan)  
E.A. Kyojo, BSc. Ed., M. Sc. (Dar)  
N. Nzaganya, BSc. Ed. MSc (Dar)

## Physics

### *Lecturer*

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\*E.R. Olotu, Dip. Ed. (Monduli), B.Ed., M.Sc. (Dar)  
\*A.V.R. Ntarisa, B.Sc. Ed., M.Sc. (Dar)  
\*G. Mlay (Ms), B. Ed. , M.Sc. (Dar)  
D.J. Mahushi, B.Sc. Ed. M.Sc (Arusha)  
\*C. Lwiwa , B.Sc. Ed., M.Sc (Dar)  
\*B.J. Mafwele, B.Sc. Ed., M.Sc (Dar)

J.N. Shelembi, BSc. (Dar), M.Sc (TUTE)

### *Tutorial Assistants*

\*N.I. Mwankemwa, BSc. Ed. (Dar)

### *Senior Laboratory Technicians I*

C. Sostenes, FTC (DIT)

### *Laboratory Technicians I*

S. Juma, Dip. Lab. Tech. (DIT)

*\*On Study Leave*

## **College Library**

### *Lecturer and Head of Library*

A. Raymond, Dip (Ed) (Dar), BAEd., MA(Ed) (Dar), PhD (Bristol)

### *Senior Library Assistant*

L.Y. Selle, Dip. Lib. Arch. & Doc. (SLADS), BA. Lib. & Info. (Tumaini), MA Info. (Dar)  
A. Chando, Cert. Gr. IIIA., Dip. Ed. (Morogoro), Dip. Lib. Arch. & Doc. (SLADS),

### *Library Assistants*

A. R. Kawambwa, Cert., Dip. Lib. Arch. & Doc. (SLADS)  
P.J. Mbunda, Cert. Lib. Arch. & Doc. (SLADS)  
N. Mteti, Cert. Lib. Arch. & Doc. (SLADS)  
U.A. Mombokaleo, Cert. Lib. Arch. & Doc. (SLADS)  
E. M. Nkanda, Cert. Lib. Arch. & Doc. (SLADS)  
J. P. Telekako, Cert. Lib. Arch. & Doc, Diploma, (SLADS), BLIM (OUT)  
U. Muhoja, Cert. Lib. Arch. & Doc, Diploma (SLADS)

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L. Balama, Certificate, Secretarial Studies. (TPSC) Diploma in HR (Iringa)

## **Finance**

### *Head Finance*

B. F. Madyedye, Principal Accountant, ADA (IFM), CPA (T), NBAA, MBA (RUCU)

### *Accountants*

P.J. Kimondo, Dip. Ed. (Dar), ADA (CBE), PGDBA, (CBE)  
H. Said, ADA (Mzumbe)  
S. Komba, Dip. Buss Adm. (CBE)  
C. Hongoli, ADA (IAA), PGDA (TIA)  
V. Mwanyika, ADA (TIA)  
E. Mbeni, ADA (TIA)  
L. P. Mtavangu, ADA (TIA)  
A. S. Mkamila ADA (TIA)  
R. V. Mwanyika, ADA (TIA)

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S. Ngole, Cert. Secretarial Studies. (TPSC)

## **Internal Audit Unit**

### *Head, Internal Audit Unit*

B. Kambo, B.A Accounting and Finance (SUA) PGD in Accountancy (IAA) CPA (NBAA)

### *Internal Auditor*

T. L. Mayapira, ADA (IAA)  
E. Sanga, Certificate in Accountancy (TIA), ADA (TIA)

### *Legal Officers*

E. Kalengela, LLB, PDLP (Dar), LLM (RUCO), ACOPC (Judiciary), Advocate of the High Court  
A. Tumbuchile, LLB, (TUMAINI), Postgraduate Diploma in Legal Practices (Law School)

## **MUCE Health Centre**

*Principal Medical Officer II and medical Officer in Charge*

S. Lyuba, MD (Dar), MMED (Moshi)

*Principal Medical Officer*

S. Lyuba, MD (Dar), MMED (Moshi)

S. Likondangoma, MD & BS (Fudan), Masters in Obstetrics/ Gynaecology (Dar)

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\*A. Shamady, Dip. Clinical Medicine (Mbeya Medical) Bachelor in Medicine (Kilimanjaro)

I. Mbilinyi, Dip. Clinical Medicine (Sumbawanga)

\*E. Mahenge, Dip. Clinical Medicine (Mvumi)

K. C. M. Mackenza, Adv. Dip. Clinical Medicine (Mafinga)

E. Kabuka, Dip. Clinical Medicine (Mvumi)

*Medical Lab. Technicians*

P. Nyeho, Cert. Laboratory (Health Lab. Training Centre), Dip. in Med. Lab. Sc.

A. Mlengule, Cert. Medical Lab. (Ikonda MLSS); Dip. Lab. Technology (Dar)

S. Luvinga, Dip. Lab Tech (Ikonda), Adv. Diploma in Medical Lab (Dar)

E. Ngulo, Cert. Laboratory (Medical Training Institute) F. Nyigu, Dip. Lab. Technology (Ikonda MLSS)

*Pharmaceutical Technicians*

C. Nyange, Dip. Pharmaceutical Sciences (Dar), B. pharm

M. Ngakola, Dip. Pharmaceutical Sciences (Dar)

*Nurses*

W.G. Vahaye, Dip. Nursing (Muhimbili), PGD. Science Intensive Care (Stellenbosch, S.A)

D. Bernard, Dip. Nursing (Nkinga Tabora), BSc. Nursing

C. Lilanga, Dip. Nursing (Ndanda), BSN (St. John's University of Tanzania)

E. Kapesa, Dip. Nursing & Midwife (Dar), BSc (SJUT)

D. Antapa, Dip. Nursing (Ndanda)

F. Nguli, Dip. Nursing (Ndanda)

E. Kimaro, Dip. Nursing (Ilembura Nursing School)

G. Mlimakifi, Cert. Nursing and Midwifery (Peramiho Nursing School)

J. Lwila, Cert. Elementary Nursing (Iringa Government. Hospital)

O. Mwashota, Cert. in Nursing

*Health Attendants*

Z. Mgao, Cert. Elementary Nursing (Tosamaganga)

M. Nyiti, Cert. Nursing & Midwifery (Njombe Nursing School) B. Kikungwe, Cert. Elementary Nursing (Iringa Hosp. College)

*Launderers*

R. Kisapi, Cert. in Laundry Att.

*Secretary*

N. Mhandeni (Ms), Diploma Secretarial Duties (TPSC)

*Office Attendant*

A. J. Gwevu Cert. Record Mgt (TPSC)

**Procurement and Management Unit**

*Supplies Officer and Acting Head of Unit*

F. Chitanda, ADPS (TIA), CPSP (T) (PSPTB) MSc(Mzumbe)

*Supplies Officers*

A. Mtema, NSC (DSA), CPSP (T), (PSPTB), PGDM (Tumaini), MSc (Mzumbe)

G. H. Mlay, NSC (DSA), P (II) (DSA)

J. Station, ADPS (TIA), CPSP (T) (PSPTB)

C. Stephen, SLADS (Bagamoyo), B.B.A-P&L (RUCU)

*Secretary*

S. J. Njonjo, Dip.Secretarial Studies. (TPSC)

**Registry**

*Higher Clerical Officer I and Head Registry*

M. Waziri, Cert. & Dip. Records Mgt. (TPSC)

*Clerical Officers*

S. Koko, Cert. Computer (VETA), Dip. Records Mgt. (TPSC)

N. Wadeya, Cert. Records Mgt. (TPSC)

L. Sapachuma, Cert. & Dip. Records Mgt. (TPSC)

N. Kitogo Diploma in Records Mgt (TPSC)

**Systems Administration Unit**

*Systems Administrator II and Head of Unit*

I. Mwagha, Cert. Computer Arch. & Network (India), Inter Dip. ICT (IIT), B.Sc. IT (India)

*Systems Administrators*

I. Mwagha, Cert. Computer Arch. & Network (India), Inter Dip. ICT (IIT), BSc (India)

S. Majimoto, Dip. Computer Eng. (New Horizons), B.Sc.(Tumaini)

*Computer Operators*

D. Malogo, Cert. Computer (UCC) Diploma (UCC)

**Estates Department**

*Senior Estates Officer and Head, Estates Department*

G. Ngelime, Dip. In Inter. Const. Mgt. (Bath), B.Sc. (Dar)

*Estate Officers*

A. Said, Dip. Ed (Monduli), BSc. (Morogoro)

S. Kullagwa, FTC (MIST), BSc. (Mbeya)

G. Sarimbo, BSc. (Dar)

B. Mwaimu, FTC (DIT), BSc. (Mbeya)

### *Technicians*

R. Nicholas, Dip. In Water Resource Eng. (Rwegarulila)  
F. Mwangabo, FTC (MIST)

### *Artisans*

B. Malomela, Cert. Electrical & Cert. Vocat Teaching (VETA-Dar)  
C. Mwachota, Cert. Carpentry (Rwegarulila)  
P. Sigimba, Grade I Test (VETA)  
S. Ndimbo, Cert in Carpentry and Joinery (VETA)

### *Office Attendant*

D. Ikandilo, Cert. in Cosmetology (VETA)

### *Health Officer*

C. Nissilu, Cert. in Env. Health Assistant, Adv. Dip. Env. Health Sciences (Dar)

## **Office of the Dean of Students**

### *Dean of Students*

L. Asajile, Dip. Ed (Korogwe), BA (Dar), MBA (Tumaini)

### *Wardens*

W. Mdegela, B.D. (Tumaini-Makumira), MPA (Mzumbe)  
P. Stephano, Cert. Records Mgt (TPSC), BAEd (Dar)  
A. Hussein, BAEd (Dar), MPA (Mzumbe)  
A. Egidius, Community Development (Tumaini), MA in Community Development (Iringa Uni)  
A. Hussein, BAEd (Dar), MPA (Mzumbe)  
E. Killegu, BAEd (Dar)

### *Secretary*

A. Mgando, Dip. Secretarial Studies. (TPSC)

## **Transport Unit**

### *Drivers*

S. Kayuga, GCE (Dar Tech), Adv. Driving Cert. (NIT), MV Mechanics Grade I (VETA)  
S. Natupu, Driving Cert. & Adv. Driving Cert. (NIT)  
C. Chogo, Driving Cert. (VETA) Adv. Driving Cert. (NIT)  
D. Singo, Driving Cert (IAE), Adv. Driving Cert. (NIT)  
P. Sigimba, Grade Test I (VETA)

### *Secretaries*

R. Kalonga, Cert. Secretarial (TPSC), Dip. Business Administration (RUCO)  
S. Kalokola, Cert. Secretarial, Dip. Secretarial, (TPSC)  
N. Mhandeni, Cert. Secretarial, Dip. Secretarial (TPSC)  
M. Mshangama Cert. Secretarial (TPSC)  
L. Balama, Cert. Secretarial (TPSC) Diploma in HR (Tumaini University)  
S. Ngole, Cert. Secretarial, (VETA)  
A. Mgando, Cert. Secretarial (TPSC)  
J. Shija (Ms), Dip. Secretarial (Shukurani)  
S. Joseph Cert. Secretarial (TPSC) Diploma in Secretarial (TPSC)



N. Kibonde, Dip. Secretarial (TPSC)  
 S. Mkoroma, Secretarial Certificate, Diploma (TPSC)  
 D. Nchemwa, Secretarial Certificate, Diploma (TPSC)  
 M. Kilindo, Secretarial Cert (TPSC), Diploma (TPSC)

***\*On Study Leave***

## **COLLEGE ACADEMIC PRIZE SPONSORS**

### **Faculty of Humanities and Social Sciences**

<b>S/N</b>	<b>PRIZE</b>	<b>ELIGIBILITY</b>
1.	University Prize	Best Student in the Final Year Degree Examinations in the Faculty of Humanities and Social Sciences
2.	Vice Chancellor's Prize	Best 1 <sup>st</sup> Year Student in the Faculty of Humanities and Social Sciences

### **Faculty of Science**

<b>S/N</b>	<b>PRIZE</b>	<b>ELIGIBILITY</b>
1.	University Prize	Best Student in the Final Year Degree Examinations from the Faculty of Science
2.	Vice Chancellor's Prize	Best 1 <sup>st</sup> Year Student from the Faculty of Science

### **Faculty of Education**

<b>S/N</b>	<b>PRIZE</b>	<b>ELIGIBILITY</b>
1.	University Prize	Best Student in the Final Year Degree Examinations from the Faculty of Education
2.	Vice Chancellor's Prize	Best 1 <sup>st</sup> Year Student in the Faculty of Education



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