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Graduate Prospectus

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The University of Dodoma
P.O. Box 259, Dodoma

Tel: + 255 026 2310173
Fax: + 255 0262310005

E-mail: dvc-arc@udom.ac.tz / graduate@udom.ac.tz

Alternative E-mail: udomgsce@yahoo.com

Website: www.udom.ac.tz

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PREFACE

Demand for graduate studies is rapidly increasing in all branches of knowledge across the world, and Tanzania is no exception. The University of Dodoma is mindful of this demand, and has responded accordingly by giving high priority to provision of quality graduate programmes on its strategic choices.

The University currently offers postgraduate diploma, master and doctoral programmes in a wide range of fields of study. These are in the fields of education, humanities, social sciences, business studies, informatics, natural sciences, earth sciences, mathematics and health sciences.

Details on the programmes that are currently offered are given in this Prospectus. We also wish to draw the attention of students and readers to the Graduate Studies Regulations and Guidelines:

The programmes that we offer have been structured to suite a range of clientele. Individual students are therefore expected to choose programmes depending on their interest and convenience. UDOM provides conducive environment for learning and knowledge generation.

The common denominator in all our graduate programmes is the research component. This has been done intentionally, we strongly subscribe to the view that, the fundamental purpose for graduate work is knowledge creation and dissemination. Ours is a developing country. The myriad of problems that we are facing in virtually all the sectors – agriculture, education, health, communication, trade and commerce in an increasingly globalized world, can only be solved, by home grown solutions that are based on new knowledge from research. Our graduate students and their supervisors occupy a special niche in generating the prerequisite knowledge and consequent translation into tangible outcomes.

While visiting the University in February 2009, The Former President of the United Republic of Tanzania, His Excellency, Dr. Jakaya Mrisho Kikwete was explicit on the dire need for higher education institutions to increase enrolment of graduate students, so as to fill the prevailing gap of high level trained human capital in the country. The passionate call by the President is highly applauded. Although we are pleased with our output so far, we are quite determined to double even triple our efforts in attaining greater performance.

It is our sincere hope that the general public, private institutions, well wishers and individuals alike, in unison, will continue to support our efforts wholeheartedly, in realizing the Former President's noble vision.

*Professor Peter L. Msoffe
Deputy Vice Chancellor
(Academic, Research and Consultancy)*

March 2017

GENERAL INFORMATION

1. ABOUT THE UNIVERSITY OF DODOMA

1.1 Location

Dodoma is about 455 kilometres west of Dar es Salaam city. It has good road network right from Dar es Salaam on the North-east and from Mwanza on the South-west. UDOM is located about 7 km East of the heart of Dodoma Town. Transport within Dodoma is normally through public transport, which is easily available to and from the University. Given, the central location of Dodoma, UDOM is strategically positioned to cater for applicants around the country and specifically to Government and private firms' employees staying within Dodoma vicinity who previously did not find training opportunities in the area. Such employees can comfortably utilize UDOM to combine work and study for their career advancement. In addition, the geographical position and Dodoma weather makes UDOM a better place for international students.

1.2 Establishment

The University of Dodoma (UDOM) is a public institution established in March 2007 under the University Act No. 7 of 2005. UDOM operates under the guidance of the UDOM charter and Rules of 2007. UDOM officially started its academic activities in September 2007 with four schools, but it has been tremendously grown in which currently, the University has 15 schools in seven colleges namely:

- College of Business Studies and Law
- College of Education
- College of Earth Sciences
- College of Health Sciences
- College of Humanities and Social Sciences
- College of Informatics and Virtual Education
- College of Natural and Mathematical Sciences

1.3 Objectives

UDOM's main objective is to create in a place where, through relevant teaching and learning processes, human capital vested with knowledge and skills for economic development will be produced, transferred from one generation to another, through relevant research, the frontiers of knowledge will be advanced providing solutions to the people's needs (UDOM, Rolling Strategic Plan, 2012).

1.4 Students Enrolment

UDOM is a comprehensive University and the largest in the country with enrolment capacity of at least 40,000 students by 2025. In its establishment, UDOM enrolled first batch of 1,115 students in 17 undergraduate and 1 postgraduate programmes. Since then, UDOM has made considerable progress in terms of academic programmes, infrastructure and enrolment of students. Currently, UDOM has about 22,100 and 1028 students enrolled in 80 undergraduate and 41 postgraduate programmes.

1.5 Directorate of Graduate Studies and Continuing Education

The Directorate of Graduate Studies and Continuing Education formally known as Directorate of Graduate Studies was established in November 2007 under UDOM charter and Rules of 2007. The Directorate has mandate to overseeing and coordinating all matters regarding higher degrees and continuing education at UDOM.

DIRECTORATE runs postgraduate programmes in various modes such as full time and part time (evening or executive), offered in either by course work and dissertation or by research (Thesis) alone. This is specifically designed to provide opportunities and flexibility for those who want to combine work and studies. In all cases, evening based programmes cost slightly higher than the corresponding full time programmes. Thus, during application, aspiring candidates have freedom to select the mode of their convenience.

Currently, the Directorate has a total of 47 programmes, out of which four Postgraduate programmes, 40 Master Degrees, two PhD by Course work and Dissertation, and PhD degrees by research alone in almost all fields. However, not all programmes are offered every year, but mainly depend on the availability of students, for the academic year 2016/2017, a total of 41 postgraduate programmes are offered.

The Directorate has a total of 1028 students registered in various programmes, in which 199 are undertaking PhD. In general, graduate students form about 4% of the entire student's enrolment of which 31% are female. Since 2010/11 to 2015/16 a total of 2,734 postgraduate students graduated various postgraduate programmes, 342 being Postgraduate Diploma, 2,323 Masters and 69 PhDs.

In terms of academic, accommodation and other physical facilities, the postgraduate students like undergraduate they also utilize university available resources such as libraries, classes, theatre rooms, laboratory, playgrounds, cafeteria and healthy services. The University has capacity to hold at least 36,000 students. Out of this, the capacity of at least 1,000 students is reserved for graduate students.

2.0 POSTGRADUATE ACADEMIC PROGRAMMES

UDOM offered postgraduate programmes in various field ranges from social sciences and humanities, law and business, basic and applied sciences, education to professional degrees in engineering, nursing and medicine. At UDOM, it is possible for one to pursue a PhD and master degree programme by research alone in any academic department provided that the applicant has adequate qualifications, and that the department has capacity to supervise and provide necessary facilities either by themselves or in agreement with collaborative partners.

The following is the list of postgraduate programmes at UDOM, detailed will be provided in this prospectus under the specific college.

2.1 Postgraduate diploma

- 1) Postgraduate Diploma in Education (PGDE)
- 2) Postgraduate Diploma in Information Technology (PGD IT)
- 3) Postgraduate Diploma in Computer Sciences (PGD CS)
- 4) Postgraduate Diploma in Information System (PGD IS)

2.2 Postgraduate Degrees by Research (Thesis) alone

- 1) Master of Arts in Kiswahili;
- 2) Master of Arts in History;
- 3) Master of Arts in English;
- 4) Master of Arts in Theatre and Film for Development;
- 5) Master of Science in Geology
- 6) PhD degree Programmes in the fields of Business Administration, Social Sciences, Education, Humanities, Informatics, Health Sciences, Geosciences, etc.

2.3 Postgraduate Degrees by Course work and Dissertation

- 1) Master of Arts in Education (MAED);
- 2) Master of Business Administration (MBA);
- 3) Master of Science in Accounting & Finance (MSc AF);

- 4) Master of Arts in Economics (MA ECo);
- 5) Master in Public Administration (MPA);
- 6) Master in International Relations (MIR);
- 7) Master of Arts in Development Studies (MA DS);
- 8) Master of Arts in Sociology (MASO);
- 9) Master of Science in Natural Resources Management (MSc NRM);
- 10) Master of Arts in Demography (MA DEMO);
- 11) Master of Arts in Linguistics (MA Linguistics);
- 12) Master of Arts in Kiswahili Literature (MA Kiswahili Literature);
- 13) Master of Arts in Theatre and Film for Development;
- 14) Master of Science in Computer Science (MSc CS);
- 15) Master of Science in Telecommunications Engineering (MSc TE);
- 16) Master of Science in Information Technology (MSc IT);
- 17) Master of Science in Information Systems (MSc IS);
- 18) Master of Science in Biodiversity Conservation (MSc BC);
- 19) Master of Science in Mathematics (MSc Math);
- 20) Master of Science in Statistics (MSc Stat);
- 21) Master of Science in Chemistry (MSc Chem);
- 22) Master of Science in Physics (MSc Phy);
- 23) Master of Science in Mineral Exploration (MSc ME);
- 24) Master of Science in Petroleum Geosciences (MSc GS);
- 25) Master of Science in Nursing – Mental Health (MSc NMH);
- 26) Master of Science in Paediatric Nursing (MSc PN);
- 27) Master of Science in Nursing Education (MSc NE);
- 28) Master of Science in Midwifery (MSc Midwifery);
- 29) Master of Science in Public Health (MSc PH);
- 30) Master of Medicine in Surgery (MMED Surgery);
- 31) Master of Medicine in Internal Medicine (MMED IM);
- 32) Master of Medicine in Obstetrics and Gynaecology (MMED OBGY);
- 33) Master of Medicine in Microbiology and Immunology (MMED MI);
- 34) Master of Medicine in Paediatrics and Child Health (MMED PCH);
- 35) Master of Medicine in Pathology (MMED Pathology);
- 36) PhD in Mathematics; and
- 37) PhD in Environmental Science and Conservation.

Details of the programmes offered under different colleges will be explained in the following sections.

3.0 ADMISSION AND ENTRY REQUIREMENTS

3.1 Admission Requirements

- i. All applicants for postgraduate studies should submit their duly filled application form (UDOM/GS.F1) accompanied with the referees recommendation forms (UDOM/GS.F2), application fee pay in slip, and copies of academic transcripts, certificates and birth certificate to the Director of Graduate Studies and Continuing Education of the University of Dodoma.
- ii. All applicants are required to pay a non-refundable application fee, as it will be indicated in the application advertisement and the prospectus.
- iii. Certificates obtained from foreign institutions of higher learning shall be subject to recognition by the Tanzania Commission for Universities (TCU).

3.2 Entry Requirements

UDOM postgraduate programmes entry requirement has been set following the Tanzania Commission for Universities (TCU) minimum standard. Generally, for the candidate to be admitted into the programme offered by course work and dissertation, should be holder of a First or Second-class honours degree (Minimum GPA 2.7) or B average for unclassified degree in relevant disciplines from any accredited University or its equivalent from any approved higher leaning institution.

While for the candidate to be admitted under Master degree by Research only minimum GPA should be 3.5, and for PhD the applicant should possess Master's degree (Minimum GPA should be 3.0) in the area intended to register for studies. Applicant for either Master or PhD degree programme by research alone should present a concept paper outlining what to be researched in the intended discipline. Details (if any) are as indicated in this prospectus under the respective programme.

3.3 Registration

- i. Successful applicants may register as full time or part time students.
- ii. Registration will take place during the first two weeks on

- commencement of the academic year, as it will be directed in the admission letter.
- iii. For continuing students, they shall register at the beginning of each academic year, and at the beginning of semester/trimester whichever applicable.
- iv. During registration, candidate shall be required to submit the evidence of payment of the University fees, and in addition first years shall also present the following:
- Admission letter;
 - Originals and certified copies of transcripts and certificates, and birth certificate (Originals will be returned after verification);
 - Two passport-size photographs;
 - Sponsor commitment and employment release letter, if applicable; and
 - Duly filled registration forms (UDOM/GS.F4 or UDOM/GS.F5).

3.4 Examination and Grading

Examination grading system and computation of GPA is the same for all postgraduate programmes across the University. For further information on examination grading system, refer to *UDOM Higher Degrees Regulations handbook*.

3.5 Other relevant information

Registered candidates should note that, academic activities and progress should be conducted in accordance to regulations and guidelines as stipulated in this prospectus and the *UDOM Higher Degrees Regulations and Preparation Guidelines handbooks*.

Fees Structure, payment modalities and the activity time plan are provided at the end of this prospectus and on the University website (www.udom.ac.tz).



Postgraduate Hostel Block at the College of Education... .Postgraduate Students at the College of Health Sciences



Postgraduate Students at the College of Informatics

Benjamin Mkapa Hospital at UDOM



Sports and recreation at UDOM

4.0 ACADEMIC PROGRAMMES OFFERED BY INDIVIDUAL COLLEGES

The following sections outline the various programmes offered under different Colleges across the University.

4.1 COLLEGE OF HUMANITIES AND SOCIAL SCIENCES



Postgraduate Studies Lecture Block at the College of Humanities and Social Sciences

4.1.1 School of Social Sciences

The School of Social Sciences offers the following graduate degree programmes:

- 1) Master in Public Administration (MPA);
- 2) Master in International Relations (MIR);
- 3) Master in Development Studies (MA DS);
- 4) Master of Arts in Sociology (MASO);
- 5) Master of Science in Natural Resources Management (MSc NRM);
- 6) Master of Arts in Demography (MA DEMO), and;
- 7) PhD Degree Programme.

4.1.1.1 Master in Public Administration (MPA)

Programme Specification

Master in Public Administration (MPA) degree programme is offered in the Department of Political Science and Public Administration. The programme is offered in two modes, namely; Full time and Evening for the duration of 18 and 24 Months, respectively. The full time programme is offered using semester approach where as the evening programme is based on trimester method. The coursework component of the MPA degree comprises of a minimum of 160 credit courses covered within 12 months.

Evening MPA programme is very demanding; it requires a lot of independent work on the part of student, as it is intended for people who normally work and study concurrently. The programme runs on trimester basis with at least 50 credit courses taught in each trimester. The whole programme takes 4 trimesters with teaching occupying 3 trimesters and dissertation lasting for one trimester.

The programme is aimed at providing an in-depth and critical study of the complexities of the field of public administration. Furthermore, the programme is also geared towards highlighting the role and importance of public administration and administrators within the political system. It is therefore, designed to prepare students to be able to acquire knowledge and skills that will enable them to overcome dynamics and challenges of new public administration.

Admission criteria for the MPA degree Programme

- i. Holders of a First or Second-class honours degree in relevant disciplines of any accredited University or its equivalent from any approved higher learning institution.
- ii. Holders of a pass degree in relevant disciplines who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
- iii. Holders of Advanced Diploma in relevant disciplines from an accredited higher learning institution with a minimum of upper second class plus a postgraduate diploma.

Programme Learning Outcomes

Upon completion of this programme, graduates are expected to be able to demonstrate the following:

- i) Knowledge of theories, practices, processes and institutions of public administration.
- ii) Critical analysis and application of different approaches in addressing contemporary issues in the globalized era.
- iii) Level of maturity in application of appropriate skills in dealing with dynamics and challenges facing the world today and for the future.

Programme Structure

I: Full Time Master in Public Administration

The programme structure for Full Time MPA is shown below:

Year 1

Semester 1

Code	Courses	Credits
DS 611	Social Science Research Methodology	20
PA 611	Public Administration: Theories, Institutions and Process	15
PA 612	Public Policy Analysis	15
PA 613	Public Sector Management	10
PA 614	Management of Rural Development	10
PA 615	Local Government Systems in Tanzania	10

Electives (subject to approval)

PA 616	Urban Governance	10
IR 615	Globalization in African Perspectives	10

Minimum credits for Semester 1

Semester 2

DS 621	Social Science Statistical Methods	20
PA 621	Public Personnel Management	15
PA 622	International Perspectives on Public Administration	15
PA 623	Administrative and Labour Laws	10
PA 624	Study of Selected Issues in Public Administration	10
PA 625	Politics and Public Administration in Africa	10

Electives (subject to approval)

PA 626	The State and the Economy	10
IR 622	Conflict Resolution and Management	15

Minimum credits for Semester 2**80*****Year 2******Semester 1***

PA 699: Dissertation	30
Minimum credits for the Programme	190

II: Evening Master in Public Administration

The programme structure for the evening based MPA is provided below:

Year 1***Trimester 1***

DS 611	Social Science Research Methodology	20
PA 611	Public Administration: Theories, Institutions and Process	15
PA 612	Public Policy Analysis	15
PA 613	Public Sector Management	10
Minimum credits for Trimester 1		60

Trimester 2

PA 614	Management of Rural Development	10
PA 615	Local Government Systems in Tanzania	10
PA 621	Public Personnel Management	15
PA 622	International Perspectives on Public Administration	15

Electives (subject to approval)

PA 616	Urban Governance	10
IR 615	Globalization in African Perspectives	10

Minimum credits for Trimester 2**50*****Trimester 3***

DS 621	Social Science Statistical Methods	20
PA 623	Administrative and Labour Laws	10
PA 624	Study of Selected Issues in Public Administration	10
PA 625	Politics and Public Administration in Africa	10

Electives (subject to approval)

PA 626	The State and the Economy	10
IR 622	Conflict Resolution and Management	15
Minimum credits for Trimester 3		50

Year 2

Trimester 1

PA 699: Dissertation	30
Total for the Programme	190

Assessment mode and award

The MPA degree programme will be assessed by:

1. Continuous assessment of coursework that carries 50% of the final marks.
2. Examination at the end of each semester/trimester, for 50% of the final marks.
3. The pass marks of each examinable course is a B (50%) or above.

MPA will be awarded to a candidate who successfully accomplishes a minimum of 12 courses totalling at least 160credits plus a dissertation weighing 30 credits. The total credits requirements for MPA is 190.

4.1.1.2 Master in International Relations (MIR)

Programme Specification

Master in International Relations (MIR) Programme is offered in the Department of Political Science and Public Administration. The programme aims at equipping students with the classical and contemporary theories of International Relations and their applicability in the day to day international politics. Furthermore, the programme engages various contending theories of international phenomena such as war, terrorism, development so that students at the end of the programme can be able to translate the occurrences and

recurrences of these phenomena. It is therefore, designed to prepare students to be able to acquire knowledge and skills that will enable them to face dynamics and overcome challenges of a globalized world.

The MIR is full time degree programme offered over 18 months period based on semesterization. The programme covers 160 credit courses in its coursework component running for 12 months. The time perspective of the MIR degree programme is exactly the same as that of full time MPA degree programme.

Admission criteria for Master in International Relations

1. Holders of a First or Second-class honours degree in relevant disciplines of any accredited University or its equivalent from any higher leaning institution.
2. Holders of a pass degree in relevant disciplines who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
3. Holders of Advanced Diploma in relevant disciplines from an accredited higher learning institution with a minimum of upper second class plus a postgraduate diploma.

Programme Learning Outcomes

Upon completion of this programme, graduates are expected to be able to demonstrate the following:

- i) Knowledge of theories and practices of central issues in the field of International Relations.
- ii) Critical mind in the application of different approaches and mechanisms of addressing contemporary local and international issues.
- iii) Level of maturity in application of appropriate skills in dealing with dynamics and challenges facing the world today and for the future.
- iv) Ability to negotiate for public interest in a globalized world, which is faced by complex and challenging environments.

Programme Structure

The MIR programme structure is shown below as follows:

Year 1

Semester 1

Code	Courses	Credits
-------------	----------------	----------------

DS 611	Social Science Research Methodology	20
IR 611	International Relations: Approaches and Issues	15
IR 612	Tanzania's Foreign Policy and Diplomacy	15
IR 613	Advanced Study in International Organization	10
IR 614	Advanced Study in International Laws	10
IR 615	Globalization in African Perspectives	10

Electives (subject to approval)

PA 612	Public Policy Analysis	15
PA 615	The State and the Economy	10
Minimum credits for Semester 1		80

Semester 2

DS 621	Social Science Statistical Methods	20
IR 621	African International Relations	15
IR 622	Conflict Resolution and Management	15
IR 623	Advanced Study in International Security	10
IR 624	Advanced Study in International Political Economy	10
IR 625	International Trade and Investment	10

Electives (subject to approval)

PA 622	International Perspectives on Public Administration	15
PA 625	Politics and Public Administration in Africa	10
Minimum credits for Semester 2		80

Year 2

Semester 1

IR 699: Dissertation	30
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Total for the Programme	190
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Assessment mode and Award

The MIR degree programme will be evaluated by:

1. Continuous assessment of coursework that carries 50% of the final marks.
2. Examination at the end of each semester, for 50% of the final marks.
3. The pass marks of each examinable course is a B (50%) or above.

The MIR will be awarded to a candidate who successfully accomplishes a total of 160 credits in a year plus a dissertation of 30credits. Like the MPA, the total credits requirement for MIR is 190.

4.1.1.3 Master of Arts in Development Studies (MA DS)

Programme Specification

Master of Arts in Development Studies provides thorough background knowledge of contemporary theories and debates on development issues, as well as more specific insights into key themes within the development field, such as poverty, globalization, health and education, trans-nationalism, governance, sustainable development, and community-based natural resource management. It does so by offering an interdisciplinary and problem oriented training, in which students are equipped with academic skills.

The programme aims to consider different ways of putting established ideas and recent insights into practice with a joint emphasis on policy implementation and academic reflection. Alongside academic skills, students will also develop much needed professional skills. To these ends, it offers advanced training in theories of social and economic development, processes of change, planning and managing development, research methodology techniques as well as policy analysis.

The programme is offered in fulltime and evening basis over a period of 18 and 24 months, respectively. As for MPA, the full time MA DS is structures in semester approach, and the programme entails a minimum of 160 credits covered within 12 months during the coursework, followed by a dissertation component that weighs 30 credits. While the evening MA DS is structured on trimester basis, with a minimum of 50 credit courses taught in each trimester. The programme takes four trimesters with teaching occupying three trimesters and dissertation lasting for one trimester.

Admission criteria for Master in Development Studies

1. Holders of a First or Second-class honours degree of any accredited University or its equivalent from any higher leaning institution.
2. Holders of a pass degree who have at least 5 years of working experience after graduation plus a postgraduate training of at least 6 months.
3. Holders of Advanced Diploma from an accredited higher learning institution with a minimum of upper second class plus a postgraduate diploma enhanced with an experience of at least 2 years after graduation.

Programme Learning Outcomes

The curriculum intends to produce Graduates who should be able to work in areas such as development extension services; Social Sciences research centres; training institutions; private sector, social welfare and production services. At the end of the programme, alongside academic skills, students will also develop much needed professional skills; advanced training in theories of social and economic development, processes of change, planning and managing development, research methodology techniques and policy analysis.

Programme Structure

I: Full-Time Master of Arts in Development Studies

The programme structure for full time MA DS is summarized in the Table below:

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
DS 611	Social Science Research Methodology	20
DS 612	Contemporary Development Issues	15
DS 613	Project design, Appraisal, Monitoring and Evaluation	10
DS 614	Poverty and Development	10
DS 615	Social Theories and Development Intervention Strategies	15

Electives

DS 616	Gender Issues and Socio-Economic Development	10
DS 617	Natural Resources Management and Socio-Economic Development	10
DS 618	Food Security and Rural Development	10
DS 619	Regional Integration and Development	10
IR 611	International Relations, Approaches and Issues	10

Minimum credits for Semester 1

80

Semester 2

The following core courses plus one elective

DS 621	Social Science Statistical Methods	20
DS 622	Globalization and Socio-Economic Development	10
DS 623	Environment and Sustainable Development	10
DS 624	Development Policy Analyses and Planning	10
DS 625	Decentralization and Participation	10
IR 622	Conflict management and Resolution	10

Electives

DS 626	Population, Demography and Socio-Economic Development	10
DS 627	Human Rights, Governance and Development	10
DS 628	Agricultural Policy Analysis and Planning	10
DS 629	Regional and Rural Development Planning	10
IR 622	Conflict management and Resolution	10
Minimum credits for Semester 2		80

Year 2

DS 699	Dissertation	30
Total for the Programme		190

II: Master of Arts in Development Studies (Evening Programme)

The programme structure for MA DS evening mode is provided below:

Year 1

Trimester 1

Code	Courses	Credits
The following core courses plus one elective		
DS 611	Social Science Research Methodology	20
DS 612	Contemporary Development Issues	15
DS 613	Project design, Appraisal, Monitoring and Evaluation	10
Electives		
DS 616	Gender Issues and Socio-Economic Development	10
DS 617	Natural Resources Management and Socio-Economic Development	10
DS 618	Food Security and Rural Development	10
Total for Trimester 1		55

Trimester 2

The following courses plus one elective

DS 614	Poverty and Development	10
DS 615	Social Theories and Development Intervention Strategies	15
DS 624	Development Policy Analyses and Planning	10
DS 625	Decentralization and Participation	10
Electives		
DS 619	Regional Integration and Development	10
DS 626	Population, Demography and Socio-Economic Development	10
Total for Trimester 2		55

Trimester 3

DS 621	Social Science Statistical Methods	20
DS 622	Globalization and Socio-Economic Development	10

DS 623	Environment and Sustainable Development	10
Electives		
DS 627	Human Rights, Governance and Development	10
DS 629	Regional and Rural Development Planning	10
DS 628	Agricultural Policy Analysis and Planning	10
Total for Trimester 3		50

Year 2

Trimester 1

DS 699	Dissertation	30
Total for the Programme		190

Assessment mode and Award

Courses are assessed by essays, field work, term papers, class/seminar presentations and examinations or a combination of these (depending on the course). Coursework shall contribute 50% of the mark and the final assessment exercise shall contribute 50% of the course mark. The pass mark for each course is 50%.

To provide an opportunity to obtain an advanced level of expertise in the subject area, students are required to do research and submit a dissertation.

Master in Development Studies degree will be awarded to a candidate upon successful completion of at least 190 credits that comprise 160credits of course work and 30credits of dissertation.

4.1.1.4 Master of Arts in Sociology (MASO)

Programme Specification

Master of Arts in Sociology programme is aimed at preparing graduates to undertake responsibilities in the social world. It also aims at integrating formal academic learning with their social related field, which can ultimately empower them to cope with ever-changing world. The programme is structured to incorporate the current social issues. Further, it gives students with a broad approach to social, political, and cultural aspects reflected in the department's research priorities. It provides diversity in terms of both theoretical orientations and methodologically advanced research in sociology and the social sciences in general. It focuses on theoretical models, advanced research methods and the problem-guided application of theory and methods to selected fields. The programme consists of two specializations, namely; sociology of Rural Development and Medical Sociology.

Admission Criteria

1. Holders of a First or Second-class honours degree in relevant disciplines of any accredited University or its equivalent from any higher learning institution.
2. Holders of a pass degree in relevant disciplines who have at least 5 years of working experience after graduation plus a post graduation training of at least six (6) months.
3. Holders of Advanced Diploma in relevant disciplines from accredited higher learning institutions with a minimum of Upper-Second class plus a postgraduate diploma.

Programme Learning Outcomes

Upon completion of the programme the students are expected to have acquired the knowledge, value and skill to:

- i) Demonstrate expertise in understanding social relations in society
- ii) To recognize and demonstrate ability of reviewing theories models in undertaking research oriented projects
- iii) Critically analyze the contemporary discourses in rural development initiatives
- iv) Apply scientific methods in analyzing diversities in the social world
- v) Sociological scrutinize systems by considering macro and micro concerns
- vi) Apply the theoretical models in solving practical problems in the social world
- vii) Demonstrate ethical and professional behaviour in the work place

Programme Structure

Year 1

Rural Sociology:

Semester 1

Code	Courses	Credits
The following plus at least one elective		
DS 611	Social Science Research Methodology	20
SY 611	Advanced Classical Social Theory	15
SY 613	Rural Sociology	10
SY 614	Rural Environment & Resource Use	10
SY 615	Rural Development Policy & Planning	10

Elective Courses (Select at least one)

SY 616	Medical Anthropology and Sociology	10
SY 617	Applied Health Systems Research Methods	10
SY 618	Gender, Culture, and Health	10
Total for Semester 1		75

Semester 2

The following courses plus at least one elective

DS 621	Social Science Statistical Methods	20
SY 621	Advanced Contemporary Social Theory	15
SY 623	Demographic Change and Rural Development	10
SY 624	Advanced Studies in Community Development	10
SY 625	Land Tenure System and Rural poverty	10

Elective Courses (Select at least one)

SY 626	Social Change and Health Policy	10
SY 627	Population and Development	10
SY 628	Reproductive and Maternal Health	10
SY 629	Political Theory, the State and Social Policy	10
Total for Semester 2		75

Medical Sociology:**Semester 1**

Code	Courses	Units
DS 611	Social Science Research Methodology	20
SY 611	Advanced Classical Social Theory	15
SY 616	Medical Anthropology and Sociology	10
SY 617	Applied Health Systems Research Methods	10
SY 618	Gender, Culture, and Health	10

Electives (Select at least one)

SY 613	Rural Sociology	10
SY 614	Rural Environment & Resource Use	10
SY 615	Rural Development Policy & Planning	10
Total for Semester 1		75

Semester 2

SY 621	Advanced Contemporary Social Theory	15
DS 621	Social Sciences Statistical Methods	20
SY 626	Social Change and Health Policy	10
SY 627	Population and Development	10
SY 628	Reproductive and Maternal Health	10

Electives (Select at least one)

SY 624	Advanced Studies in Community Development	10
SY 625	Land Tenure System and Rural Poverty	10
SY 623	Demographic Change and Rural Development	10
SY 629	Political Theory, the State and Social Policy	10
Total for Semester 2		21

Year 2**Semester 1**

SY 699: Dissertation	30
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Total for the Programme	180
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Assessment mode and Awards

In each semester, students shall have to complete and pass at least six courses that will include: five core courses and at least one elective course in their area of specialty. Continuous assessment part of the courses will comprise of tests, take home assignments, seminar presentations, long papers, and study visits depending on the demand of the course.

Continuous assessments shall contribute 50% of the final marks, and the end of Semester's University Examination shall contribute 50%. The pass mark for each examinable course is a B (50%) or above.

MA Sociology will be awarded to a candidate who successfully accomplishes a total of twelve (12) courses. Thus, a student shall accomplish 150credits for the coursework component of the programme plus a dissertation of 30credits. The total credits requirement for Master in Sociology is 180.

4.1.1.5 Master of Science in Natural Resources Management (MSc NRM)**Programme Specification**

This degree programme is offered in the Department of Geography and Environmental Studies. The programme aims at equipping students with theories and hand-on skills which will enable them to manage our natural resources sustainability. In addition, practical skills on the use of modern

natural resources management tools such as remote sensing and spatial analysis (GIS) will be imparted to students.

The programme targets employees or non-employees with a variety of professional backgrounds (including natural sciences, environmental officers, geographers, wildlife management, tourism management, development studies, and agriculture) interested in sustainable use of our scarce natural resources. The programme offered in a full time mode for 18 months.

Admission Criteria

- 1) Holder of a first or second-class honours degree in relevant fields from any accredited University or its equivalent.
- 2) Holders of a pass degree in relevant fields who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
- 3) Holders of advanced Diploma in relevant fields from an accredited higher learning institution with a minimum of upper class plus a Postgraduate Diploma enhanced with an experience of at least 2 years after graduation.

Programme Learning Outcomes

Upon completion of this programme, graduates are expected to be able to demonstrate the following:

- i) Knowledge and skills necessary for managing natural resources, climate change adaptation and mitigation and combating natural resources and environmental degradation.
- ii) Able to use different remote sensing tools such as Global positioning system (GPS), aerial photographs, satellite imageries in managing natural resources and in reducing natural resources field survey costs.
- iii) To have the ability to use GIS in analyzing spatial data and use land surveying and soil science knowledge to prepare and implement land use plans.
- iv) To have natural resources economics theories which will be instrumental in convincing policy makers, decision makers and politicians on rational choices of using our scarce natural resources for the present and future generations.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
DS 611	Social Science Research Methodology	20
GO 611	Natural Resources Economics	10
BI 611	Advanced Ecology	20
BI 612	Biodiversity Conservation	20
GO 612	Climate Change and Development	10
Total for Semester 1		80

Semester 2

The following core courses

DS 621	Social Science Statistical Methods	20
GO 621	Remote Sensing and GIS for Natural Resources Management	20
GO 622	Land Use Planning and Management	15
LW 623	Environmental Law	10
GO 623	Environmental and Social Impact Assessment	10
Total for Semester 2		75

Year 2

Semester 1

GO 699: Dissertation	30
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Total for the Programme	185
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Assessment mode and Award

The MSc (NRM) degree programme will be assessed by:

1. Continuous assessment of coursework that carries 50% of the final marks.
2. Examination at the end of each semester, for 50% of the final marks.
3. The pass marks of each examinable course is a B (50%) or above.
4. Continuous assessment which comprise of tests, assignments, long papers, seminar presentations, visits and practical or a combination of these depending on the course requirements.

The Master (NRM) will be awarded to a candidate who successfully accomplishes a total of ten (10) courses of 10-20credits each. That is, total of 155credits for the whole year plus a dissertation with 30credits. The total credit hours requirement for MSc (NRM) degree is 185.

4.1.1.6 Master of Arts in Demography (MA DEMO)

Programme Specification

This degree programme is offered in the Department of Geography and Environmental Studies. It is designed to prepare and equip students with professional skills in demography and population studies. Graduates of this programme are expected to be able to apply theoretical and practical knowledge and skills in demography related issues.

Admission Criteria

1. Holder of a first or second-class honours degree in relevant fields from any accredited University or its equivalent.
2. Holders of a pass degree in relevant fields who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
3. Holders of advanced Diploma in relevant fields from an accredited higher learning institution with a minimum of upper class plus a Postgraduate Diploma enhanced with an experience of at least 2 years after graduation.

Programme Learning Outcomes

Upon completion of this programme, graduates are expected to be able to demonstrate the following:

- i) Students should be able to apply acquired knowledge and skills in addressing demographic issues and problems.
- ii) Students should be able to demonstrate practical skills related to demography and reproductive health.
- iii) Enhance students' knowledge capabilities and skills in demography and reproductive health.

Programme structure

Year 1

Semester 1

Code Courses

Credits

The following core courses

DS 611 Social Science Research Methodology

20

DG 611 Direct Demographic Techniques

15

DG 612	Determinants of Fertility	15
DS 626	Population, Demography and Socio-Economic Development	15
DG 613	Theory and Policy Issues in Population and Development	10
Total for Semester 1		75

Semester 2

The following core courses

DS 621	Social Sciences Statistical Methods	20
DG 622	Indirect Demographic Techniques	15
MS 601	IT and Computing Business	10
DG 624	Migration and Urbanization	15
DG 626	Reproductive Health	15
Total for Semester 2		75

Year 2

Semester 1

DG 699: Dissertation	30
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Total for the Programme	180
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Assessment mode and Awards

The MA Demography degree programme will be assessed by:

1. Continuous assessment of coursework that carries 50% of the final marks.
2. Examination at the end of each semester, for 50% of the final marks.
3. The pass mark of each examinable course is a B (50%) or above.
4. Continuous assessment which comprises of tests, assignments, long papers, seminar presentations, visits and practicals or a combination of these depending on the course requirements.

The MA Demography will be awarded to a candidate who successfully accomplishes a total of ten (10) courses of 10 – 20 credits each. That is, total of 150 units for the whole year plus a dissertation with 30 credits. The total credits requirement for MA Demography is 180.

4.1.1.7 PhD Degree Programme

Programme Specification

The PhD degree programme is offered in various areas of Social Sciences such as public administration, development studies, political science, environmental studies and sociology.

Admission Criteria

The admission criteria for PhD degree offered under the School of Social Sciences are outlined below:

- 1) Applicant must hold a bachelor's degree of at least B grade or its equivalent in the area intended for study.
- 2) Applicant should possess Master's degree in the area intended to register for studies.
- 3) Applicant should present a concept paper outlining what to be researched in the intended discipline.

Assessment mode and Award

For assessment of a PhD degree as well as its award, refer to the *UDOM Higher Degrees Regulations* handbook.

4.1.2 School of Humanities

The School of Humanities offers the following postgraduate programmes namely;

I: Programmes by Research (Thesis) alone

- 1) Master of Arts in English;
- 2) Master of Arts in Kiswahili;
- 3) Master of Arts in History;
- 4) Master of Arts in Theatre and Film for Development; and
- 5) PhD programme in various specializations of Humanities

II: Programmes by course-work and dissertation

- 1) Master of Arts in Linguistics;
- 2) Master of Arts in Kiswahili Literature; and
- 3) Master of Arts in Theatre and Film for Development

Details of the degree programmes by Research (Thesis) alone under this School are outlined below:

4.1.2.1 Master of Arts in English by Research (Thesis) alone

4.1.2.2 Master of Arts in Kiswahili by Research (Thesis) alone

4.1.2.3 Master of Arts in History by Research (Thesis) alone

4.1.2.4 Master of Arts in Theatre and Film for Development by Research (Thesis) alone

4.1.2.5 PhD in various Specializations of Humanities

Programmes Specification

These are research based degrees offered to individuals with backgrounds related to the degree applied for, where necessary, a candidate may be required to undertake some courses offered in the undergraduate or other graduate degree programmes. The programmes last for 24 and 36 months for Master and PhD programmes, respectively. The PhD degree programme offered under the School of Humanities covers a wide range of Humanities disciplines like History, Languages, etc.

Assessment mode and Award

For assessment of a PhD degree as well as its award, refer to the *UDOM Higher Degrees Regulations* handbook.

The admission criteria

Candidates to be admitted under these degree programmes should hold a first or second-class honours degree of any recognized University or its equivalent from any approved higher leaning institution (Minimum GPA should be 3.5). The degree must have a bias in the area of the degree aspired for. For PhD, the Applicant should possess Master's degree (Minimum GPA should be 3.0). in the area intended to register for studies. Applicant for either Master or PhD degree programme should present a concept paper outlining what to be researched in the intended discipline.

Assessment mode and Award

Assessment Methods and Degree award for Master Degrees by Research (Thesis) alone as well as PhD are clearly outlined in the *UDOM Higher Degrees Regulations* handbook.

4.1.2.6 Master of Arts in Linguistics (MA Linguistics)

Programme Specification

Language is central and probably unique to human experience, and interest in its study has existed through history. Linguistics is the study of human languages; it seeks to understand and explain the social, psychological, and structural properties of human language in a clear and formal manner through study of their universal properties as they manifest themselves in the language system, the language capacity of individual language users, the use of language in varying social circumstances and the application of linguistic knowledge in technological environments.

Students will be trained to use analytic, evaluative and argumentative skills which are widely applicable in the modern world. This programme is strongly recommended to students who make keen interest in the description, acquisition, and use of natural languages as well as developing a career. Linguistics may be used to help train language teachers, interpreters/translators, programmers and so on. In fact, the skills that you will acquire in linguistics can be put to use in diverse kinds of employment once you have graduated.

The MA Linguistics programme at the University of Dodoma consists of three components; core courses, elective courses and dissertation research covered over 18 months in a full time mode. The taught part of the course is centered on the intensive study of the core areas of formal linguistics with a choice of a specialized language. However, the programme gives opportunity to study interface phenomena and connected academic fields in an area of special interest such as computational linguistics and applied linguistics) in the context of English and/ or Kiswahili. Building on this foundation, it is intended that students will be able to tailor the programme to meet their personal linguistics interests either by focusing on one particular area, or by diversifying into other branches.

Programme Learning Outcomes

On the completion of the programme, students are expected to have acquired the ability and skills to:

- (i) Demonstrate a solid foundation in the core areas of formal linguistics.
- (ii) Assess data and evidence critically from the original sources
- (iii) Formulate analysis and arguments within the system of concepts and assumptions in the discipline.
- (iv) Illustrate capabilities in the specialized area of interest in linguistics.

Admission Criteria

All applicants for the programme must satisfy the general entry requirements into the Master of Arts degree programmes of the University of Dodoma. In addition, the applicants must have a language component in their first degree.

Programme Structure

There will be 5 core courses and 5 optional courses, totalling 155 credits which will spread in two semesters, followed by a dissertation of 30 credits. The detailed programme structure is as depicted below:

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
EL 611	Grammar: Theory and Practice	20
EL 612	Current Issues in Linguistics	20
EL 613	Sociolinguistics	20

Electives

KS 610	The History and Structure of Kiswahili	20
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EL 614	The History and Structure of English	20
Total for Semester 1		80

Semester 2

The following core courses plus any four electives

KS 620	General Research Methods in Humanities	15
EL 622	Applied Linguistics	20

Electives

EL 621	Advanced Translation and Interpretation	10
EL 623	Lexicography: Theory and Practice	10
EL 624	Computational Linguistics	10
EL 625	Language Description and Documentation	10
EL 626	Discourse Analysis	10
Total for Semester 2		75

Year 2

Semester 1

EL 699 : Dissertation	30
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Total for the Programme	185
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Assessment mode and Awards

Course-work will carry 50% of the University Examinations, while the final Examination will also carry 50%. The dissertation will be examined separately, on its own.

For the student to graduate in MA Linguistics of the University of Dodoma s/he must complete 185 credits of which 155 come from course-work and 30 from dissertation.

4.1.2.7 Master of Arts in Kiswahili Literature (MA Kiswahili Literature)

Programme Specification

Literature is a body of written and unwritten work of a particular culture of people. It captures artistically the experiences and aesthetic nuances of different aspects of social life. That means, Literature is a granary of a people's history rendered in abstract and artistic forms. Kiswahili Literature as a subject started as late as 1960s at the University of Dar es Salaam in

Tanzania. So far, its pace is undeterred, in its course of catching up with Literatures of the other parts of the world. This programme consists of three components, namely, core courses, elective courses, followed by a research dissertation.

Programme Learning Outcomes

Successful candidates of this programme will be enabled to perform the following, among others:

- (i) Critically appreciate various written and oral literary works through different theoretical approaches;
- (ii) Carry out comparative studies of written and oral literary works arising from different cultural founts;
- (iii) Compose, as well as teach, how to compose literary artistic works such as poems, prose fiction and drama as a way of recording people's history and culture. In other words, this is the power to create and recreate life artistically and in abstract forms;
- (iv) Establish archives of specific literary works to enrich a given society's cultural heritage;
- (v) Engage in mass education through theorization and literary activities.

Admission Criteria

All applicants for the programme must satisfy the general entry requirements into the Master of Arts degree programmes of the University of Dodoma. The First Degree must have a Language component and/or Literature, where the applicants must satisfy the Department of Kiswahili requirements that they are competent in the languages.

Programme Structure

There will be 8 core courses and 2 elective courses, totalling 165 credits, which will spread in two semesters, followed by a dissertation of 30 credits. The programme structure for the MA Kiswahili Literature is as shown below:

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
LT611	Advanced Theories of Literature and Literary Criticism	20
KL 611	Kiswahili Literary Classics	20
KL 612	Contemporary Kiswahili Writers	15
KL 613	The Poetics of a Selected Kiswahili laureate	15

Electives		
LT 615	African American Literature	10
KL 614	Aesthetics in Kiswahili literature	10
Total for Semester 1		80

Semester 2

The following core courses plus one elective

KL 621	Development and Trends of Written Kiswahili Literature and Criticism	20
KS 620	General Research methodology	15
LT 622	Contemporary Studies in Oral Literature	20
KL 622	Translated works into Kiswahili	20

Electives

LT 621	Modern African Literature	10
KL 623	Literature of incarceration	10
Total for Semester 2		85

Year 2

Semester 1

KL 699 : Dissertation	30
Total for the Programme	195

Assessment mode and Award

Course-work will carry 50% of the University Examinations, while the final Examination will also carry 50%. The dissertation will be examined separately, on its own. The course work will comprise a long essay, assignments and tests depending on the requirement of the course.

For the student to graduate in MA Kiswahili Literature of the University of Dodoma s/he must complete 195 credits of which 165 come from course-work and 30 from dissertation.

4.1.2.8 Master of Arts in Theatre and Film for Development (MA Theatre and Film)

Programme Specification

Today theatre and film are becoming vital communication, educational and entertainment tools in Tanzania. Producers own and manage production processes and are wholly responsible for the final products. They are the ones

who give meanings, interpretations, focus and market potential to their products. However producers face many challenges in accomplishing their tasks ranging from lack of appropriate skills; inability of linking their products to the socio-economic and cultural developments taking place in the country, and hence, add value and relevance; and marketing and distributing their final products.

Students pursuing MA in Theatre and Film for Development Degree of the University of Dodoma will be trained to understand principles and approaches to quality productions, underscore the linkages between theatre and film industries to the socio-economic development, decipher current issues in development and how they can be interpreted and linked to productions, and explore marketing and distribution challenges of theatre and film products and how to overcome them.

Programme Learning Outcome

At the end of the programme, students are expected to have acquired knowledge that will enable them to:

- (i) Produce high quality films and theatrical productions that meet the industry standards.
- (ii) Critically appreciate various written and produced works through different theoretical approaches
- (iii) Manage and oversee production processes of film and theatre
- (iv) Work as independent film and theatre producers and hence create their own employment.
- (v) Design and implement projects on using the arts (film and theatre) for development.
- (vi) Develop and implement research projects related to theatre and film.

Admission Criteria

All applicants for the programme must satisfy the general entry requirements into the Master of Arts degree programmes of the University of Dodoma, where the applicants must also satisfy the Department's requirements that they are competent in theatre and/or film.

Programme Structure

There will be 7 core courses and 3 optional courses, totalling 175 credits which will spread in two semesters, followed by a dissertation of 30 credits. The detailed programme structure is as depicted below:

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
TF 611	Theatre and Film from Development Perspective	15
TF 612	Scriptwriting for Theatre and Film	15
TF 613	Producing and Managing a Production	15
TF 614	Directing for the Theatre	20

Electives

TF 615	Theatre Practice I	20
TF 616	Film Practice I	20
Total for Semester 1		85

Semester 2

The following core courses plus two electives

KS600	General Research methodology	15
TF621	Directing for the Film	20
TF622	Marketing and Distribution	15

Electives (student to select two electives, of which, one must be theatre or film practice)

TF 623	Theatre Practice II	20
TF 624	Film Practice II	20
TF625	Film Editing	20
TF626	Radio and Television communication for Development	20
Total for Semester 2		90

Year 2

Semester 1

KL 699 : Dissertation	30
Total for the Programme	205

Assessment mode and Award

Course-work will carry 50% of the University Examinations, while the final Examination will also carry 50%. The dissertation will be examined separately, on its own. The course work will comprise a long essay, assignments, practical and tests depending on the requirement of the course.

For the student to graduate in MA in Theatre and Film for Development of the University of Dodoma, s/he must complete 205 credits of which 175 come from course-work and 30 are from dissertation.

4.2 COLLEGE OF BUSINESS STUDIES AND LAW



Administration Block – College of Business Studies and Law



Library - College of Business Studies and Law

4.2.1 School of Business Studies and Economics

The School of Business Studies and Economics offers the following postgraduate programmes.

- 1) Master in Business Administration (MBA);
- 2) Master of Science in Accounting & Finance (MSc AF)
- 3) Master of Arts in Economics (MA Eco); and
- 4) PhD Degree Programme.

4.2.1.1 Master in Business Administration (MBA)

Programme Specification

The programme prepares a cadre of high quality professionals with an advanced knowledge in business issues and concepts. Graduates of this programme should be able to use analytical knowledge and skills for effective planning on matters concerning business and policy formulation in the context of Tanzania, developed countries and all over the world. The MBA degree programme is offered in two different modes, namely; Full time and Part time modes over 18 and 24 months, respectively. The part time mode includes evening and executive modes.

Learning Outcome of the Programme

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, intellectual qualities, practical skills, transferable skills and other attributes in different areas. Upon successful completion of the programme, the student should be able to:

- i. Identify, analyse, formulate, and serve the needs of individuals and society creatively and innovatively.
- ii. Work effectively both on own initiatives and with others as a member of a team, group, organisation, community, and contribute to the group output in tasks growing out of the Business, Commerce and Management fields.
- iii. Collect, analyse, organise and critically evaluate information, as required in the pursuit of the MBA.
- iv. Communicate effectively using visual, mathematical and language skills in the modes of oral, electronic and written presentation in extensive pieces of sustained discourse.

- v. Utilise science and technology effectively and critically showing responsibility towards the environment, health and well-being of others, in community, national and global contexts.
- vi. Demonstrate advanced knowledge in the functional areas of business.
- vii. Apply management principles in a work-based context.
- viii. Anticipate and analyse trends in the business environment.
- ix. Integrate theory and application from various functional areas in an interdisciplinary approach.
- x. Demonstrate an understanding of the world as a set of related systems by recognising that problem solving techniques do not exist in isolation, and by acknowledging their responsibilities to those in the local and broader community.

Admission criteria

Admission criteria for MBA Programme are outlined below according to mode of operation.

I: Full-time and Evening MBA

- 1. Holders of a First or Second-class honours degree of any accredited University or its equivalent from any higher learning institution.
- 2. Holders of a pass degree who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
- 3. Holders of Advanced Diploma from a recognized higher learning institution with a minimum of upper second class plus a postgraduate diploma.
- 4. Holders of recognized professional qualifications (CPA, CSP, ACCA, CMA, CPA, CIM, etc).

II: Executive MBA

- 1. Holders of a First or Second-class honours degree of any accredited University or its equivalent from any approved higher learning institution plus at least three years of experience as a manager or entrepreneur.
- 2. Holders of a pass degree who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
- 3. Holders of Advanced Diploma from a recognized higher learning institution with a minimum of upper second class plus a postgraduate diploma plus at least three years of experience as a manager or entrepreneur.

4. Holders of recognized professional qualifications (CPA, CSP, ACCA, CMA, CPA, CIM, etc) plus at least three years of experience as a manager or entrepreneur.

Programme Structure

I: Full time MBA

This is a three semester programme with 150credits courses offered within the two semesters of the first year of studies. The third semester that appears in the second year of studies is reserved for writing of dissertation. In each semester, students are required to complete 75credits equivalent of coursework. The programme structure for full time MBA is as follows:

Year 1

Semester 1

Code	Courses	Credits
MS611	Statistical Analysis	15
BS 611	Organizational Theory and Management	10
EN 611	Managerial Economics	10
EM 611	Advanced Marketing Management	10
MS 612	IT and Business Computing	10
MS 613	Management Information System	10
AC 611	Managerial and Financial Accounting	10
Total for Semester 1		75

Semester 2

The following courses plus two electives

MS 621	Research Methods	15
BS 621	Human Resource Management	10
MS 622	Strategic Management	10
LW621	Business Law and Ethics	10
FN 621	Financial Management	10
Total for Semester 2		75

Year 2

MS 699: Dissertation	30
Total for the Programme	180

II: Evening MBA

Evening MBA programme is designed for people who want to combine both work and studies. The programme is demanding, intensive and requires a lot of independent work on the part of the student. It is offered on trimester basis

with at least 35 credit courses taught in each trimester. The whole programme takes 5 trimesters with teaching occupying 4 trimesters and dissertation lasting for one trimester. A trimester is made up of 17 weeks (15 for lectures and seminars, 2 weeks for revision and examinations). The total time frame for the programme is twenty four (24) months with a programme structure provided below:

Year 1

Trimester 1

Code	Courses	Credits
MS611	Statistical Analysis	15
BS 611	Organizational Theory and Management	10
EN 611	Managerial Economics	10
Total for Trimester 1		35

Trimester 2

EM 611	Advanced Marketing Management	10
MS 612	IT and Business Computing	10
MS 613	Management Information System	10
AC 611	Managerial and Financial Accounting	10
Total for Trimester 2		40

Trimester 3

MS 621	Research Methods	15
BS 621	Human Resource Management	10
MS 622	Strategic Management	10
Total for Trimester 3		35

Year 2

Trimester 1

The following courses plus two electives

LW621	Business Law and Ethics	10
FN 621	Financial Management	10
Total for Semester 1		40

Trimester 2

MS 699: Dissertation	30
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Total for the Programme	180
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III: Executive MBA

As the name suggests, this programme is designed for executives. It is modular based where each module consists of at least 35credit courses

covered for approximately three weeks. After each module, students go back to their work places for about two months during which they also work on their assignments and project papers. At the beginning of each module, the first three days are devoted to writing final examinations for subjects covered in the previous module. The total number of modules is five, four of which are for coursework (covered within one year) and the last is for a dissertation.

Programme structure for the Executive MBA is the same as that of Evening based MBA except that the Executive programme runs on modular basis as shown below:

Year 1

Module1

Code	Courses	Credits
MS611	Statistical Analysis	15
BS 611	Organizational Theory and Management	10
EN 611	Managerial Economics	10
Total for Module 1		35

Module 2

EM 611	Advanced Marketing Management	10
MS 612	IT and Business Computing	10
MS 613	Management Information System	10
AC 611	Managerial and Financial Accounting	10
Total for Module 2		40

Module3

MS 621	Research Methods	15
BS 621	Human Resource Management	10
MS 622	Strategic Management	10
Total for Module 3		35

Module4

The following plus two electives	
LW621	Business Law and Ethics
FN 621	Financial Management
Total for Module 4	40

Year 2

Module 1

MS 699: Dissertation	30
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Total for the Programme	42
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Elective courses

Students may select two (2) elective or specialization courses from either:

Accounting Specialization

- AC 621: Management Control Systems
- AC 622: Auditing
- AC 623: Taxation Theory and Practice
- AC 624: Public Sector Accounting
- AC 625: Financial Statements Analysis

Finance Specialization

- FN 622: Financial Institutions
- FN 623: Advanced Public Finance
- FN 624: Monetary Theory and Policies
- FN 625: International Business Finance
- FN 626: Financial Planning

Human Resources Management Specialization

- BS 622: Business and Administrative Communication
- BS 623: Labour Economics
- LW 622: Labour Law
- BS 624: Manpower Planning and Development
- BS 625: Industrial Relations
- BS 626: Strategic Human Resource Management

Marketing Specialization

- EM 620: E-Commerce
- EM 621: Entrepreneurship Development
- EM 622: Marketing Distribution Systems
- EM 623: Consumer Behaviour
- EM 624: International Marketing
- EM 625: Service Marketing
- EM 626: Consulting Skills

Production and Operations Management Specialization

- MS 623: Operations Management
- MS 624: Production Planning and Scheduling

MS 625: Production Decisions, Research and Development

MS 626: Industrial Organization and Management

EN 620: Project Planning and Management

Note: Each Specialization course constitutes ten (10) credits

Assessment mode and Awards

The MBA programme will be evaluated by:

1. Continuous assessment of coursework that carries 50% of the final marks.
2. Examination at the end of each semester/trimester/module, for 50% of the final marks.

The MBA degree shall not be awarded until both the course work and the dissertation have been satisfactorily completed.

4.2.1.2 Master of Science in Accounting & Finance (MSc AF)

Programme Specification

The MSc Accounting and Finance degree programme provides a comprehensive and rigorous treatment of key areas of accounting and finance. Through research-led teaching by acknowledged experts in their fields, the programme brings students to the forefront of theory and practice in relevant and topical areas. The programme is structured so that students can specialize through the appropriate choice of courses offered by the Department of Accounting and Finance. Given the high level of academic performance expected from students, a significant amount of independent study and preparation is required to get the most out of the programme. MSc AF degree programme runs in two modes, namely; Full time and Evening mode for 24 months.

It is a rigorous programme and is both intellectually challenging and ambitious. It will provide students with a thorough understanding of the principal methods and techniques of accounting and financial management and give them a framework of reference enabling them to deal with complex accounting and financial issues and to handle them effectively in a range of employment contexts. The strategic focus of the course will enhance students' ability to analyse any situation and make sound strategic decisions.

Learning outcome of the programme

Upon successful completion of the programme, students should be able to:

- (i) Understand, manage, and re-shape both the external and internal business environment.
- (ii) Acquire knowledge in their functional areas to better understand strategic implications on the organization.
- (iii) Anticipate, assess, and respond to opportunities and problems from the standpoint of the organization as a whole and the ability to create strategic and tactically integrated plans to achieve organizational goals.
- (iv) Demonstrate an understanding of the role of industry in the current business environment.
- (v) Demonstrate an understanding of financial performance analysis techniques.

Admission Criteria

Admission criteria for MSc Accounting & Finance Programme are outlined below.

1. Holder of Bachelor of Commerce in Accounting/Finance or an equivalent degree from the University of Dodoma or any other recognized institution of higher learning with a GPA of at least 3.0.
2. Holder of a postgraduate diploma in business related fields or its equivalent.
3. Any CPA (T) or ACCA or CFA holder or equivalent with experience in practice for not less than 3 years.

Programme Structure

I: Full time mode

The Full time MSc Accounting & Finance is a four semester programme with 195 credits courses. The coursework component of the programme is offered in the two semesters of the first year. The third semester that appears in the second year of studies is reserved for a project in a business organization where students are expected to spend twelve weeks in that regard. This is followed by writing of a dissertation which takes place in the fourth semester. The Programme structure for Full time MSc Accounting & Finance is presented below.

Year 1

Semester 1

Code	Courses	Credits
AF 611	Corporate Reporting	10
AF 613	Managing Financial Institutions	10
AF 612	Advanced Performance Management	10
MS 611	Statistical Analysis	15
AF 616	Corporate Finance	10
MS 613	Management Information and Control Systems	10
One Elective		10
Total for Semester 1		75

Semester 2

The following courses plus two electives

AF 623	International Financial Management	10
AF 627	Management Accounting at the Organizational Level	10
MS 622	Strategic Management	10
AF 624	Research in Accounting & Finance	15
AF 625	Behavioural Finance	10
Total for Semester 2		75

Year 2

AF 625: Industrial Field Practical	15
AF 699: Dissertation	30
Total for the Programme	195

Electives of Semester 1

Code	Courses	Credits
AF 614	Advanced Auditing and Assurance Services	10
AF 615	Strategic Financial Management	10

Electives of Semester 2

AF 621	Advanced Public Finance & Taxation	10
AF 622	Governance Risks and Ethics	10
AF 626	Financial Analysis	10

II: Evening MSc. Accounting & Finance

The Evening MSc Accounting & Finance is a five trimester programme. The coursework component of the programme is offered in the four trimesters. The fifth semester that appears in the second year of studies is reserved for writing of a dissertation.

Year 1

Trimester 1

Code	Courses	Credits
MS611	Statistical Analysis	15
AF 611	Corporate Reporting	10
AF 612	Advance Performance Management	10
AF 613	Managing Financial Institutions	10
Total for Trimester 1		45

Trimester 2

The following courses plus one elective

AF 616	Corporate Finance	10
AF 627	Management Accounting at the Organizational Level	10
MS 613	Management Information System	10
One Elective		10
Total for Trimester 2		40

Trimester 3

MS 622	Strategic Management	10
AF 623	International Financial Management	10
AF 624	Research in Accounting & Finance	15
AF 625	Behavioural Finance	10
Total for Trimester 3		45

Year 2***Trimester 1***

Industrial Field Practical plus two electives

AF 690	Industrial Field Practical	15
Elective 1		10
Elective 2		10
Total for Semester 1		35

Trimester 2

MS 699: Dissertation	30
Total for the Programme	195

Electives of Trimester 2 of Year 1

Code	Courses	Credits
AF 614	Advanced Auditing and Assurance Services	10
AF 615	Strategic Financial Management	10

Electives of Trimester 1 of Year 2

AF 621	Advanced Public Finance & Taxation	10
AF 622	Governance Risks and Ethics	10
AF 626	Financial Analysis	10

Assessment mode and Award

The MSc Accounting & Finance degree programme will be assessed by:

1. Continuous assessment of coursework that carries 50% of the final marks.
2. Three hours examination at the end of each semester or trimester for 50% of the final marks.
3. The pass mark of each examinable course is a B (50%) or above.
4. For each taught course, continuous assessment will comprise of at least two pieces of work which will involve tests, assignments, term papers, or other forms of evaluation, depending on the course requirements.

The MSc Accounting & Finance degree of the University of Dodoma shall be awarded to a candidate after completing 190 credits of which 150 come from course-work, 10 come from the field project and the remaining 30 are from dissertation.

4.2.1.3 Master of Arts in Economics (MA Eco)

Programme Specification

A master degree in economics is an increasingly essential tool in a global economy. The MA programme in economics will be one of the most rigorous in the country. It gives a solid background in advanced economics and enables students to upgrade their skills in applied economic analysis and public policy. It also serves as an excellent preparatory degree for those wishing to go on to a PhD programme. The Master of Arts programme in Economics is designed for students who wish to improve their knowledge of economic theory and its applications. The MA program provides a technical and rigorous approach to the study of economic theory while offering students enough flexibility to take field electives in other programmes at the University in order to tailor their specializations of study to their professional goals.

The MA Economics programme is intended to equip students with the tools of the professional economist, for work in government, international organisations, business, or as preparation for economics research. The degree is based on rigorous training in core areas of economics including Microeconomics, Macroeconomics and an optional area of interest (elective courses including international economics, financial economics, labour economics and health economics). Students in this programme will further advance their quantitative skills and techniques that will facilitate analysis

through the core courses such as Advanced Econometrics and Mathematics for Economics.

This programme consists of two major parts, that is, course work and dissertation, the duration of the program 18 Months. The first two semesters will be fully on the coursework part and students will cover the remaining period for completion of dissertation.

Learning outcome of the programme

After the completion of the program, students are expected to:

- i) To acquire a good knowledge of advanced microeconomics, macroeconomics and econometrics, with the aim to help pursue successful careers as professional economists or progression onto a PhD programme.
- ii) To be able to identify relevant economic questions
- iii) To develop the ability to use acquired knowledge in developing models of interest.
- iv) To apply modelling tools and economic arguments to specific research questions.
- v) To be able to critically assess his/her own work and that of others.
- vi) To acquire effective communication skills through written work and oral presentations
- vii) To write research projects and an extended essay or thesis that illustrates skills acquired.

Admission Criteria

The following specific criteria will apply for entry into the programme:

- 1. Holders of at least second class degree in economics or any related field like statistics, commerce, etc. from any accredited university.
- 2. Holders of pass degree who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
- 3. Holders of advanced diploma in related field from a recognized higher learning institution with a minimum of upper second class plus a postgraduate diploma.

Programme Structure

Year 1

Semester 1

The following courses plus one elective

Code	Courses	Credits
EN 612	Advanced Microeconomics I	10
EN 613	Advanced Macroeconomics I	10
EN 614	Advanced Econometrics	15
EN 615	Mathematics for Economics	15
EN 616	Advanced Development Economics	15
One Elective		10
Total for Semester 1		75

Semester 2

The following courses plus one elective

EN 622	Advanced Microeconomics II	10
EN 623	Advanced Macroeconomics II	10
EN 624	Advanced Economic Policy and Planning	15
EN 625	Research Methods for Economists	15
EN 626	Monetary and Fiscal Economics	15
One Elective		10
Total for Semester 2		75

Year 2

EN 711: Dissertation	30	
Total for the Programme		180

Electives of Trimester 1

Code	Courses	Credits
EN 617	Advanced International Economics	10
EN 618	Agricultural Marketing	10
EN 619	Advanced Financial Economics	10

Electives of Trimester 2

EN 627	Advanced Labour Economics	10
EN 628	Advanced Environmental & Natural Resources Economics	10
EN 629	Advanced Health Economics	10

Assessment mode and Award

The MA Economics degree programme will be assessed by:

1. Continuous assessment of coursework that carries 50% of the final marks.
2. Examination at the end of each semester, for 50% of the final marks.
3. The pass mark of each examinable course is a B (50%) or above.

4. Continuous assessment which comprises of tests, assignments, long papers, seminar presentations, visits or a combination of these depending on the course requirements.

The Master of Arts in Economics degree will be awarded to a candidate upon successful completion of at least 180 credits that comprise 150 credits of course work and 30 credits of dissertation.

4.2.1.4 PhD Degree Programme

The School of Business Studies and Economics offers PhD degree programme in the areas revolving around Business studies and Economics specializing in the fields related to Business Administration, Finance, Accounting, Human Resources Management, Marketing, Entrepreneurship, Economics, Management Science, Tourism and Hospitality Management, etc. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations* of the University of Dodoma.

4.2.2 School of Law

Currently, the School of law offers one postgraduate programmes i.e. PhD by Research (Thesis) alone. The PhD degree programme offered at the School of Law involving all areas around Law discipline including but not limited to the public law, private law, constitutional and legal theory, and economic law. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations handbook* of the University of Dodoma.

4.3 COLLEGE OF EDUCATION



Administration Block - College of Education

4.3.1 School of Educational Studies

The School of Educational Studies of UDOM offers the following postgraduate programmes namely:

- 1) Postgraduate Diploma in Education (PGDE);
- 2) Master of Arts in Education (MAED); and
- 3) PhD programme in the field of Educational Studies.

The description of the programmes is given below:

4.3.1.1 Postgraduate Diploma in Education (PGDE)

Programme Specification

The PGDE is a 12 months programme offered under full time mode. The programme has a coursework component that comprises 110 credit courses followed by field practice equivalent to 15 credits. Apart from building career in education, the programme is also designed to be a bridging route into the Master of Arts in Education degree.

The aim of this programme is to prepare professionals with cutting-age educational skills capable of not only stabilizing institutional micro-climates but also raising institutional performance beyond customary expectations. Since the courses provided to students pursuing the PGDE are interdisciplinary in nature, their applicability goes beyond teaching as it is possible for the graduates to become educational officials at ward, district, regional and national levels. In this regard, the need for properly trained teachers and tutors becomes very crucial and graduates of this programme are expected to cater for the educational demands in the entire community.

Programme Learning Outcomes

Upon completion of this PGDE programme graduates will have to demonstrate:

- (i) Knowledge and Skills in educational administration and management of educational institutions.
- (ii) Capabilities in teaching content courses in their areas of specializations.

Admission criteria

Holders of a First or Second-class honours bachelor degree of any recognized University or its equivalent from any approved higher leaning institution.

Programme Structure

The structure of the programme is shown below:

Year 1

Semester 1

Code	Courses	Credits
The following courses plus one elective from relevant Departments		
FE 511	Principles of Education	7.5
SE 512	Research Methods in Education	10
ME 511	Introduction to Educational Management and School Administration	7.5
CE 511	Principles of Curriculum Development and Evaluation	7.5
CE 512	Educational Media and Technology	10
SE 512	Educational Measurement and Evaluation	7.5
	Elective	10
		60

Total for Semester 1

Semester 2

The following courses plus one elective

SE 523	Introduction to Educational Psychology	7.5
SE 521	Educational and Career Guidance and Counselling	7.5
FE 524	Professionalism and Ethics in Education	7.5
CE 521	Classroom Management Skills	7.5
	Teaching Methods	10
	Teaching Practice	10
	Research Project	15
Total for Semester 2		65
Total for the Programme		125

Electives:

These are to be taken from the relevant Departments subject to approval by the Dean of School.

Assessment mode and Award

Each course in PGDE programme has its own assessment mode. The various assessment modes across various courses include seminar presentations, individual studies, tests and actual practices. Mode of assessment is made up of 40% coursework and 60% final examination to make a total of 100%. The

pass mark for each course is 50%. Towards completion of the studies, each student under supervision of an instructor shall write a paper based on field research. Teaching practice shall be compulsory for each student.

The Postgraduate Diploma in Education of the University of Dodoma will be awarded to a candidate upon successful completion of 125 credits that comprise 100credits of course work, 10credits of teaching practice and 15credits of research project report.

4.3.1.2 Master of Arts in Education (MAED)

Programme Specification

Education is central to human development in any country. MA Education degree programme is designed to enable students to understand and explain the social, psychological, and institutional management in the context of Tanzania. Students will be trained to use analytic, evaluative and argumentative skills which are widely applicable in the modern world. This programme is strongly recommended to students who take keen interest in the description, acquisition and use of research findings as well as developing a career.

The MAED programme at the University of Dodoma consists of three components: core courses, elective courses and dissertation research. The taught part of the course is centered on the intensive study of the core areas of education such as: Curriculum development, Research methods in education, Comparative education, Management & Administration of Educational Institutions and Theories of Learning and Models of Teaching with a wide choice of specialized elective courses. Building on this foundation, it is intended that MAED students will be able to tailor the programme to meet their personal and professional interests either by focusing on one particular area, or by diversifying into other branches.

This degree programme open to individuals with a solid background in the field of Education. It is offered under full time (18 months) and Evening (24 months), and composed of coursework followed by dissertation. The coursework component contains 180 credit courses while the dissertation comprises of 30 credits.

Programme Outcomes

Upon completion of their studies the MA Education programme students are expected to have acquired the ability and skills:

- (i) To demonstrate a solid foundation in the ‘core areas’ of education.
- (ii) To assess research data and evidence critically from the original sources.
- (iii) To formulate appropriate analyses and arguments within the system of concepts and assumptions in the discipline.
- (iv) To illustrate capabilities in the specialized area of interest in Education.

Admission Criteria

- 1. Holders of a First or Second-class honours degree of any accredited University or its equivalent from any higher leaning institution. The degree must have a bias in Education like BA Education, BSc Education, etc.
- 2. Holders of a first class or upper second Postgraduate Diploma in Education from any accredited higher learning institution

Programme Structure

I: Full time MAED programme structure

Year 1

Semester 1

Code	Courses	Credits
The following courses		
CE 611	Curriculum and Teaching	30
SE 611	Research Methods in Education	30
ME 611	Management and Administration of Educational Institutions	30
Total for Semester 1		90

Semester 2

The following courses plus two electives

FE 621	Comparative Education issues	30
SE 621	Theories of Learning and Models of Teaching	30
Two Electives		30
Total for Semester 2		90

Year 2

SE 699	Dissertation	30
Total for the Programme		210

II: Evening MAED programme structure

Year 1

Trimester 1

Code	Courses	Credits
The following courses		
CE 611	Curriculum and Teaching	30
SE 611	Research Methods in Education	30
Total for Trimester 1		60

Trimester 2

The following courses

ME 611	Management and Administration of Educational Institutions	30
FE 621	Comparative Education issues	30
Total for Trimester 2		60

Trimester 3

The following course plus two electives

SE 621	Theories of Learning and Models of Teaching	30
Two Electives		30
Total for Semester 3		60

Year 2

SE 699	Dissertation	30
Total for the Programme		210

List of Electives:

AE 621	Adult Education & Community Development	15
CE 621	Advanced Curriculum & Teaching	15
ME 622	Management of Organizational Behaviour in Education	15
ME 621	Educational Policy Planning & Project Design	15
SE 622	Educational Career Guidance & Counselling	15
SE 623	Psychology of Child Development	15
SE 624	Health Behaviour of Young People	15
SE 625	Social Psychology	15

Assessment mode and Award

The MA Education degree programme requires students to take five core courses and two optional courses, totalling 180 credits during the coursework component. Each course has its own assessment mode. The various assessment modes across various courses include tests, book/article critique, seminar presentations, short field work and long term paper. Coursework shall contribute 50% of the course marks and the final assessment shall contribute 50% of the course marks. The pass mark for each course is 50%. Towards completion of the studies, each student under supervision of an instructor shall undertake research work in an area of his/her interest leading to writing of a dissertation.

Master of Arts in Education (MAED) degree of the University of Dodoma shall be awarded to a candidate upon successful completion of 210 credit courses that comprises of 180 credits of course work and 30 credits of dissertation.

4.3.1.3 PhD degree Programme

So far, the School of Educational Studies offers PhD by thesis degree programme only. In future, the School envisages offering the Doctor of Education by Coursework and Dissertation. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations handbook* of the University of Dodoma.

4.3.2 School of Curriculum and Teacher Education

Currently, there is no postgraduate programme offered at the School of Curriculum and Teacher Education.

4.4 COLLEGE OF INFORMATICS AND VIRTUAL EDUCATION



Library - College of Informatics



Computer lab and teaching block - College of Informatics and Virtual Education

4.4.1 School of Informatics

The School of Informatics offers the following postgraduate programmes:

- 1) Postgraduate Diploma in Information Technology (PGD IT);
- 2) Postgraduate Diploma in Information System (PGD IS);
- 3) Postgraduate Diploma in Computer Sciences (PGD CS);
- 4) Master of Science in Computer Science (MSc CS);
- 5) Master of Science in Telecommunication Engineering (MSc TE);
- 6) Master of Science in Information Technology (MSc IT);
- 7) Master of Science in Information Systems (MSc IS); and
- 8) PhD Programme.

The brief account of the programmes is given below:

4.4.1.1 Postgraduate Diploma in Information Technology (PGD IT)

Programme Specification

PGD IT programme is designed to allow professionals from engineering background to rapidly acquire fundamental and state of the art information technology to solve pragmatic business problems. The programme is designed to assist students to build a strong foundation in core concepts underpinning contemporary information technologies. In the meantime, PGD IT runs using full time mode only.

Programme Learning Outcomes

Upon completion of the PGD IT programme, graduates should be able to:

- (i) Identify, analyze and solve problems in one or more areas of IT.
- (ii) Demonstrate an advanced understanding of the principles of IT.
- (iii) Appreciate strategic business IT concepts in terms of competitive advantage and/or organizational effectiveness and efficiency.
- (iv) Plan, manage, research and report on significant projects.
- (v) Develop general abilities of an intellectual and analytical problem-solving nature related to IT procurement and use.

Admission Criteria for PGD IT

1. Holders of pass degree in a scientific or technical discipline such as mathematics, information systems, computing, IT, Engineering or Computer Science of any recognized University or its equivalent from any approved higher learning institution deemed to be equivalent to an honours degree of the UDOM.
2. Candidates with honours degrees in different disciplines will be considered for admission provided that they have a working experience of at least 2 years in ICT-related duties.
3. Holders of advanced diploma in computer science of UDOM or qualification from an approved Higher Learning deemed to be equivalent to an honours degree of UDOM.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following courses plus two electives		
IT 500	Web Technologies	13
IT 501	Computer Network	13
IT 502	E-Commerce Technology	13

Electives

CS 502	Objective Oriented Programming	13
CS 504	Software Engineering	13
CS 501	Computer Organization	13
Total for Semester 1		65

Semester 2

The following courses plus one elective

IS 500	Database Management and Information Systems	13
CS 500	Operating Systems	13
IT 503	Communication Networks Technologies	13

Electives

IS 501	Information Systems Security	13
IS 502	Data Mining and Data Warehousing	13
IS 503	Business Process Modeling and Analysis	13
Total for Semester 2		52
Total for the Programme		117

Assessment mode and Awards

Coursework for candidates taking PGD IT programme shall be evaluated as follows:

1. Continuous assessment for each course shall carry 50% of the final mark and shall comprise of tests, assignments, laboratory works, etc depending on the requirements of the course.
2. End of semester University examination shall carry 50% of the final mark.

The PGD IT under the School of Informatics shall be awarded to a candidate who shall successfully accomplish a total of 117 credit courses.

4.4.1.2 Postgraduate Diploma in Computer Sciences (PGD CS)

Programme Specification

Programmes offered at UDOM are designed to fit well in the stipulated goal, mission, vision, objectives and values of the university, and the PGD CS is not an exception. The achievements of the PGD CS programme learning outcomes will be tested after pioneer students have completed the programme through tracer studies.

PGD CS programme offered by the School of Informatics focuses on the fundamental theory and practice of computing aiming at preparing scientists of adequate computer science skills to take care of all matters related to computer science professionally. The main objective of this course is to improve academic competence for candidates who hold advanced diploma in different fields of ICT, science and engineering and those who would like to pursue MSc CS studies.

The PGD CS programme is a one year in either full time or evening mode. For the full time PGD CS programme, the first semester will be for taught courses only, the second semester shall be for taught courses and for project background work and the last semester (during long vacation)shall be for completion of project work. For the part-time PGD CS programme, semester I and semester II shall be for taught courses only. Semester III shall be for

taught courses and project background work and semester IV shall be for completion of project work.

Programme Learning Outcomes

Upon completion of the PGDCS programme, students are expected to be able to:

- (i) Qualify for admission in Master of Science in Computer Science and other IT-related graduate programmes.
- (ii) Apply computer or ICT technologies in his original discipline.
- (iii) Carryout IT research and projects that address real life challenges facing the society.
- (iv) Advise organization management on best ICT practices and solutions.

Admission Criteria

In addition to general admission criteria, the requirements for the PGD CS programme are as follows:-

- (i) Candidates shall hold a pass degree in a scientific or technical discipline such as mathematics, computing, IT, engineering or Computer Science of the UDOM or a qualification from an approved Institution of Higher Learning, deemed to be equivalent to an honours degree of the UDOM.
- (ii) Candidates with pass degrees in difference disciplines will be considered for admission provided that they have a working experience of at least 2 years in ICT-related duties.
- (iii) Candidates shall hold advanced diploma in computer science of the UDOM or a qualification from an approved Institution of Higher Learning, deemed to be equivalent to a pass degree of the UDOM.

Programme Structure

I: Full Time PGD CS

Trimester 1

Code	Courses	Credits
CS 501	Computer Organization	13
IT 501	Computer Network	13
CS 502	Object-Oriented Programming	13
2 Electives		26
Total		65

Electives Trimester 1

IT 500	Web Technologies	13
IS 502	Data Mining and Data Warehousing	13
IS 504	E-Commerce Strategy in Information System	13

Trimester 2

CS 503	Operating Systems	13
IS 500	Database Management and Information Systems	13
CS 504	Software Engineering	13
Elective		13
Total Trimester 2		52

Electives Trimester 2

IS 501	Information Systems Security	13
IT 503	Communication Networks Technologies	13
IS 503	Business Process Modeling and Analysis	13

Trimester 3

CS 599	Project	13
Total for the Programme		130

II: Evening PGD CS***Trimester 1***

Code	Courses	Credits
CS 501	Computer Organization	13
IT 501	Computer Network	13
Elective		13
Total Trimester 1		39

Electives Trimester 1

IT 500	Web Technologies	13
IS 504	E-Commerce Strategy in Information System	13

Trimester 2

CS 502	Object-Oriented Programming	13
CS 503	Operating Systems	13
Elective		13
Total Trimester 2		39

Trimester 3

IS 500	Database Management and Information Systems	13
CS 504	Software Engineering	13
Elective		13
Total Trimester 3		39

Electives Trimester 3

IS 502	Data Mining and Data Warehousing	13
IS 503	Business Process Modeling and Analysis	13

Trimester4

CS 599	Project	13
Total for the Programme		130

Assessment mode and Award

Students' assessment for the PGD CS programme follows the general regulations set by UDOM. Each course is assessed individually using continuous assessment and final university examination at the end of each semester. The continuous assessment can be either by tests only or tests and laboratory exercise and carries 50% of the final mark whereas the University examination carries the remaining 50%.

4.4.1.3 Postgraduate Diploma in Information System (PGD IS)

Programme Specification

The PGD IS programme aims at addressing the human resource gap in information management, which currently exists in order to improve the performance of the public and private sectors and realize the sector policy goals. The programme will produce graduates who are competent and knowledgeable in the discipline and possess excellent interpersonal and communication skills. Graduates will be able to critically analyze information

management problems and develop creative and innovative enterprise solutions. Graduates who understand information and communication technologies and the public services' organizational aspects of information handling, information systems for different delivery levels, and basic management concepts have the advantage to devise, develop, implement and manage new and existing IS. IS professionals are valuable members of the team and they use their academic preparation in science and informatics studies to develop, implement and manage ICT solutions that support business and safety. These graduates also will have roles of helping business professionals make wise decision about ICT as it applies to business services and practices.

The PGD IS degree programme has been designed to meet the requirements of industry for an appropriate blend of breadth and depth of IS knowledge and an understanding of underlying concepts and theories as applied in practical and real world contexts.

Programme Learning Outcomes

Upon completion of the PGD IS degree programme, students are expected to be able to:

- (i) Apply and be admitted in IT related Master degree programmes in local and international higher learning institutions.
- (ii) Apply theoretical and practical skills acquired to identify requirements of data and information systems in practical and real world public and private sectors.
- (iii) Demonstrate hands-on experience in analyzing practical problems and solving problems with appropriate informatics approaches.

Admission Criteria

In addition to general admission criteria, the requirements for the PGD IS programme are as follows:-

- (i) Candidates shall hold a pass degree in non scientific or technical discipline such as arts, business, management and related

- discipline of the UDOM or a qualification from an approved Institution of Higher Learning, deemed to be equivalent to an honours degree of the UDOM. Those in engineering and Science wishing to enhance their knowledge in this field can join.
- (ii) Candidates with pass degrees in the other disciplines will be considered for admission provided that they have an experience of at least 2 years in IT-related work.
 - (iii) Candidates shall hold an advance diploma in information systems or a qualification from an approved Institution of Higher Learning, deemed to be equivalent to a pass degree of the UDOM.

Programme Structure

I: Full Time PGD IS

Trimester 1

Code	Courses	Credits
IS 500	Database Management and Information Systems	13
IT 503	Telecommunication and Computer Networks	13
IS 501	Information Systems Security	13
2 Electives		26
Total		65

Electives Trimester 1

IT 500	Web Technologies	13
CS 504	Software Engineering	13
CS 503	Operating Systems	13
IT 501	Computer Network	13

Trimester 2

IS 502	Data Mining and Data Warehousing	13
IS 503	Business Process Modeling and Analysis	13
IS 504	E-Commerce Strategy in Information System	13
Elective		13
Total Trimester 2		52

Electives Trimester 2

CS 501	Computer Organization	13
CS 502	Object Oriented Programming	13
IT 502	E-Commerce Technology	13

Trimester 3

IS 599	Project	13
Total for the Programme		130

II: Evening PGD CS***Trimester 1***

Code	Courses	Credits
IS 500	Database Management and Information Systems	13
IT 503	Telecommunication and Computer Networks	13
Elective		13
Total Trimester 1		39

Electives Trimester 1

IT 500	Web Technologies	13
CS 504	Software Engineering	13
CS 503	Operating Systems	13

Trimester 2

IS 501	Information Systems Security	13
IS 502	Data Mining and Data Warehousing	13
Elective		13
Total Trimester 2		39

Elective Trimester 2

CS 501	Computer Organization	13
CS 502	Object Oriented Programming	13

Trimester 3

IS 503	Business Process Modeling and Analysis	13
IS 504	E-Commerce Strategy in Information System	13
Elective		13
Total Trimester 3		39

Electives Trimester 3

IT 501	Computer Network	13
IT 502	E-Commerce Technology	13

Trimester4

IS 599	Project	13
Total for the Programme		130

Assessment mode and Award

General assessment regulations set by UDOM shall apply for PGD IS programme. Each course is assessed individually using continuous assessment and final university examination at the end of each semester. The continuous assessment can be either by tests only or tests and laboratory exercise and carries 50% of the final mark whereas the University examination carries the remaining 50%. PGD IS shall be awarded to a candidate who shall successfully accomplish a total of nine courses each with thirteen credits and final research project report.

4.4.1.4 Master of Science in Computer Science (MSc CS)

Programme Specification

Master of Science in Computer Science (MSc CS) degree programme offered by the School of Informatics covers concepts from analytical and scientific databases, computer systems and software engineering, and business with the aim of producing high-quality software professionals. It is meant to produce a new breed of computer science graduates that have a broad background in Information Technology along with project management skills. Graduates of this programme will not only have strong technical expertise in their particular field, but will also have the ability to work effectively in interdisciplinary teams and be able to tackle problems that require theoretical and practical solutions in both industry and academia. The programme is offered over a period of 24 Months for Full time and evening.

Programme Learning Outcomes

Upon completion of the MSc CS degree programme, students are expected to be able to:

- (i) Analyze a problem and identify and define the computing requirements appropriate to its solution.
- (ii) Apply computer science theory in modeling and designing of computer-based systems.
- (iii) Design, implement and evaluate computer-based systems to meet desired needs and budget, in an ethical manner.
- (iv) Analyze local and global impact of computing on individuals, organizations and society.

- (v) Apply design and development principles in the development of software systems of varying complexity.

Admission Criteria

1. Holders of a First or Second Class honours degree in a scientific or technical discipline such as mathematics, computing, IT, Engineering or Computer Science of UDOM or a qualification from an accredited Institution of Higher Learning, deemed to be equivalent to an honours degree of UDOM.
2. Candidates with pass degrees in the above disciplines will be considered for admission provided that they have an experience of at least 5 years and have undergone a training of at least 6 months after graduation.
3. Holders of postgraduate diploma with a least B grade of UDOM in relevant disciplines or a qualification from an approved Institution of Higher Learning deemed to be equivalent to that of UDOM.

Programme Structure

The structures of the degree programme for both modes of delivery are as shown below:

I: Full-time Master of Science in Computer Science

Year 1

Semester 1

Code	Courses	Credits
The following courses plus one elective		
CS 600	Object Oriented System Development and Programming	13
IS 600	Database Management Systems Design and Applications	13
IT 600	Computer Network Design	13
Total for Semester 1		52

List of Electives for Semester 1

CS 603	Computer System Programming	13
IT 602	Multimedia Systems and Applications	13

Semester 2

The following courses plus one elective

IT 601	Computer Networks and Information Security	13
IS 601	Information Systems Acquisition and Integration	13
CS 601	Artificial Intelligence	13
Total for Semester 2		52

List of Electives for Semester 2

IT 603	Entrepreneurship	13
IS 603	E-Commerce Strategy in Information Systems	13
Total for Year 1		104

Year 2**Semester 1**

The following courses

IS 602	Advanced Database and Distributed Systems	13
CS 602	Advanced Software Engineering	13
MS 621	Research Methods	15
Total for Semester 1		54

Elective for Semester 1 (Subject to approval)

IS 604	Workflow Management and Collaborative systems	13
IS 605	Information Systems Modelling	13

Semester 2

CS 699	Dissertation	30
Total for Year 2		84

Total for the Programme	188
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II: Evening Master of Science in Computer Science**Year 1****Trimester 1**

The following courses plus one elective

Code	Courses	Credits
CS 600	Object Oriented System Development and Programming	13
IS 600	Database Management Systems Design and Applications	13
Total for Trimester 1		39

List of Electives for Trimester 1

CS 603	Computer System Programming	13
IT 602	Multimedia Systems and Applications	13

Trimester 2

The following courses plus one elective

IT 600	Computer Network Design	13
IT 601	Computer Networks and Information Security	13
Total for Trimester 2		39

List of Electives for Trimester 2

IT 603	Entrepreneurship	13
IS 603	E-Commerce Strategy in Information Systems	13

Trimester 3

The following courses

IS 601	Information Systems Acquisition and Integration	13
CS 601	Artificial Intelligence	13
Total for Trimester 3		39

List of Electives for Trimester 3

IS 604	Workflow Management and Collaborative systems	13
IS 605	Information Systems Modelling	13
Total for Year 1		117

Year 2

Trimester 1

The following courses plus one elective

IS 602	Advanced Database and Distributed Systems	13
CS 602	Advanced Software Engineering	13
MS 621	Research Methods	15
Total for Trimester 1		41

Trimester 2

CS 699	Dissertation	30
Total for Year 2		71

Total for the Programme	188
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Assessment mode and Award

Coursework for candidates taking MSc in Computer Science degree programme by coursework and dissertation shall be evaluated as follows:

- a) Continuous assessment for each course shall carry 50% of the final mark.
- b) End of semester University examination shall carry 50% of the final mark.
- c) The pass mark for each course shall be a B (50%) grade average.

MSc degree in Computer Science under the School of Informatics shall be awarded to a candidate who shall successfully accomplish a total of 158 credit courses and a dissertation that weighs 30 credits.

4.4.1.5 Master of Science in Telecommunication Engineering (MSc TE)

Programme Specification

Telecommunication like most Information Technologies (IT) is a highly dynamic field that requires professionals and experts with the knowledge to keep pace with challenges and opportunities accompanying the technological advancement. The main objective of the MSc TE degree programme is therefore to provide professionals with academic background in electronics engineering, electrical engineering, telecommunications engineering, computer engineering, and computer science or information technology to pursue further studies in telecommunications engineering. The programme emphasizes in the theories behind emerging technologies, telecommunication systems design and convergence between communication and computing technologies. Like the MSc CS, this programme runs under Full-time as well as Evening based modes.

Programme Learning Outcomes

Upon successful completion of MSc TE degree programme, graduates will be able to:

- (i) Apply theoretical and practical knowledge acquired to design and optimize complex telecommunications systems associated with LANs, MANs, and WANs.
- (ii) Use hardware and software tools to analyze and evaluate telecommunication systems and networks including mobile communication systems and services, and digital communication systems.
- (iii) Use mathematical modelling tools to analyse telecommunication systems and devise optimization algorithms.
- (iv) Conduct research that are useful in developing policies and propose suitable mechanisms to enforce such policies as well as ensuring that telecommunication system design complies with relevant professional, ethical and legal issues.
- (v) Critically analyse and evaluate security implications for existing telecommunication systems and make informed decisions on appropriate measures to improve existing telecommunication systems in work place.

Admission Criteria

1. Holders of a First or Second Class honours degree in electronics engineering, electrical engineering, telecommunications engineering, computer engineering, computer science, information technology of UDOM or a qualification from an accredited Institution of Higher Learning, deemed to be equivalent to an honours degree of UDOM.
2. Candidates with pass degrees in the above disciplines will be considered for admission provided that they have an experience of at least 5 years and have undergone a training of at least 6 months after graduation.
3. Holders of postgraduate diploma with a least B grade of UDOM in relevant disciplines or a qualification from an approved Institution of Higher Learning deemed to be equivalent to that of UDOM.

Programme Structure

Programme structures of the MSc TE (Full time and evening) are as described below:

I: Full-time MSc TE Degree Programme

Year 1

Semester 1

Code	Courses	Credits
The following courses plus one elective		
TE 600	Advanced Digital Communications	13
TE 601	Mobile Communication Systems	13
TE 602	Information Systems Modelling	13
Total for Semester 1		52

List of Electives for Semester 1

IT 606	Mobile Computing and Data Management	13
TE 605	Broadband Optical Communications	13

Semester 2

The following courses plus one elective

TE 603	Telecommunication Networks	13
TE 604	Tele-traffic Engineering	13
IT 600	Computer Network Design	13
Total for Semester 2		52
Total for Year 1		104

List of Electives for Semester 2

IS 601	Computer Networks and Information Security	13
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IT 603	Entrepreneurship	13
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Year 2

Semester 1

The following courses plus at least one elective

IT 607	Wireless Communication and Applications	13
CS 600	Object Oriented System Development and Programming	13
MS 621	Research Methods	15
Total for Semester 1		54

List of Electives for Semester 1 (Subject to approval)

IT 604	Electronic Commerce Technology and Development	13
IT 609	Web Systems and Applications	13
IT 608	Internet Infrastructures and Protocols	13

Semester 2

TE 699	Dissertation	30
Total for Year 2		84

Total for the Programme	188
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II: Evening MSc TE Degree Programme

Year 1

Trimester 1

The following courses plus one elective

Code	Courses	Credits
TE 600	Advanced Digital Communications	13
TE 601	Mobile Communication Systems	13
Total for Trimester 1		39

List of Electives for Trimester 1

IT 606	Mobile Computing and Data Management	13
TE 605	Broadband Optical Communications	13

Trimester 2

The following courses plus one elective

TE 602	Satellite Communications	13
TE 603	Telecommunication Networks	13
Total for Trimester 2		39

List of Electives for Trimester 2

IS 601	Computer Networks and Information Security	13
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IT 603	Entrepreneurship	13
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Trimester 3

The following courses plus one elective

TE 604	Tele-traffic Engineering	13
IT 600	Computer Networks Design	13
Total for Trimester 3		39

List of Electives for Trimester 3

IT 604	Electronic Commerce Technology and Development	13
IT 609	Web Systems and Applications	13
Total for Year 1		117

Year 2

Trimester 1

The following courses

IT 607	Wireless Communications and Applications	13
CS 600	Object Oriented System Development and Programming	13
MS 621	Research Methods	15
Total for Trimester 1		41

Elective for Trimester 1 (Subject to approval)

IT 608	Internet Infrastructure and Protocols	13
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Trimester 2

TE 699	Dissertation	30
Total for Year 2		71

Total for the Programme	188
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Assessment mode and Award

Coursework evaluation for candidates taking MSc TE degree programme by coursework and dissertation shall be the same as that for MSc CS.

MSc degree in Telecommunication Engineering under the School of Informatics shall be awarded to a candidate who shall successfully accomplish a total of 158 credit courses and a dissertation that weighs 30 credits.

4.4.1.6 Master of Science in Information Technology (MSc IT)

Programme Specification

The Master of Science in Information Technology (MSc IT) programme is meant to serve as a bridging graduate programme to allow professionals from engineering background (not necessarily from computing) to rapidly acquire fundamentals and advanced theories behind state-of-the-art information technologies to solve pragmatic business problems. The programme is designed and structured to incrementally help students to build a strong foundation in core concepts underpinning IT. The knowledge acquired is further reinforced by allowing students to put into practice the concepts learned in class through solving IT problems in the form of projects. The programme is offered in two modes, namely, Full-time and Evening. The duration for the MSc IT degree programme 24 Months for the full time and evening mode.

Programme Learning Outcomes

Upon completion of the MSc IT degree programme, students are expected to be able to:

- (i) Develop general abilities of an intellectual and analytical problem-solving nature related to IT procurement and use.
- (ii) Demonstrate an advanced understanding of the principles of IT
- (iii) Appreciate strategic business IT concepts in terms of competitive advantage and/or organisational effectiveness and efficiency.
- (iv) Plan, manage, research and report on significant projects
- (v) Design, implement and evaluate organizational needs in area of Information and Communication Technology.
- (vi) Demonstrate knowledge and skills in managing IT projects.

The Admission Criteria

1. Candidates shall hold an honours degree in engineering, science, technology or equivalent of UDOM or a qualification from an approved Institution of Higher Learning, deemed to be equivalent to an honours degree of the UDOM.

2. Candidates with pass degrees in the above disciplines will be considered for admission provided that they have an experience of at least 5 years and have undergone a training of at least 6 months after graduation.
3. Holders of postgraduate diploma with a least B grade of UDOM in relevant disciplines or a qualification from an approved Institution of Higher Learning deemed to be equivalent to that of UDOM.

Programme Structure

Programme structures of the MSc IT (Full time and evening) are as described below:

I: Full-time MSc IT Degree Programme

Year 1

Semester 1

Code	Courses	Credits
The following courses plus one elective		
IT 604	Electronic Commerce Technology and Development	13
IT 600	Computer Network Design	13
IT 601	Computer Networks and Information Security	13
Total for Semester 1		52

List of Electives for Semester 1

IT 605	Internet Technologies & Applications	13
CS 600	Object Oriented System Development and Programming	13

Semester 2

The following courses plus one elective

IT 608	Internet Infrastructure and Protocols	13
IS 602	Advanced Database and Distributed Systems	13
IT 609	Web Systems and Applications	13
Total for Semester 2		
Total for Year 1		104

List of Electives for Semester 2

CS 602	Advanced Software Engineering	13
CS 603	Computer Systems Programming	13

Year 2

Semester 1

The following courses plus at least one elective

IT 607	Wireless Communication and Applications	13
IT 606	Mobile Computing and Data Management	13

MS 621	Research Methods	15
Total for Semester 1		54
List of Electives for Semester 1 (Subject to approval)		
IT 602	Multimedia Systems and Applications	13
IT 603	Entrepreneurship	13
CS 601	Artificial Intelligence	13
Semester 2		
IT 699	Dissertation	30
Total for Year 2		84
Total for the Programme		188

II: Evening MSc IT Degree Programme

Year 1

Trimester 1

The following courses plus one elective

Code	Courses	Credits
IT 604	Electronic Commerce Technology and Development	13
IT 600	Computer Network Design	13
Total for Trimester 1		39

List of Electives for Trimester 1

IT 605	Internet Technologies & Applications	13
CS 600	Object Oriented System Development and Programming	13

Trimester 2

The following courses plus one elective

IT 608	Internet Infrastructure and Protocols	13
IT 601	Computer Networks and Information Security	13
Total for Trimester 2		39

List of Electives for Trimester 2

CS 602	Advanced Software Engineering	13
CS 603	Computer Systems Programming	13

Trimester 3

The following courses plus one elective

IS 602	Advanced Database and Distributed Systems	13
IT 609	Web Systems and Applications	13
Total for Trimester 3		39

List of Electives for Trimester 3

IT 602	Multimedia Systems and Applications	13
IT 603	Entrepreneurship	13
Total for Year 1		117

Year 2

Trimester 1

The following courses

IT 607	Wireless Communication and Applications	13
IT 606	Mobile Computing and Data Management	13
MS 621	Research Methods	15
Total for Trimester 1		41

Trimester 2

IT 699	Dissertation	30
Total for Year 2		71

Total for the Programme **188**

Assessment mode and Award

Coursework assessment for candidates taking MSc IT degree programme by coursework and dissertation shall be the same as that for MSc CS and MSc TE.

MSc degree in Information Technology under the School of Informatics shall be awarded to a candidate who shall successfully accomplish a total of 158 credit courses and a dissertation that weighs 30 credits.

4.4.1.7 Master of Science in Information Systems (MSc IS)

Master of Science in Information Systems (MSc IS) is widely diffused across modern organisations and industry. The programme produces demanding IS graduates who are well versed in business concepts; in understanding the role and contribution of information systems in driving and enabling the achievement of business goals and objectives; and in managing the vital information systems resource in organisations. This programme has been designed to meet this need, and will produce graduates, who are competent and knowledgeable in the discipline, possess excellent interpersonal and communication skills, and who are able to critically analyse business problems and develop creative and innovative enterprise solutions.

The School of Informatics is offered in a full time mode, and the duration of the programme shall be 24 months.

Programme Learning Outcomes

Upon completion of the MSc IS degree programme, students are expected to be able to:

- (i) Identify appropriate IT driven opportunities and incorporate these into the strategic thinking process;
- (ii) Develop a framework appropriate to the organizational culture to facilitate the alignment and interplay of organizational strategies with information systems and E-commerce strategies;
- (iii) Take an active part in the decision making process surrounding the use and development of IS with a particular emphasis on the management of change which may result from the transfer of technology within the organization;
- (iv) Act as internal consultants within their organizations with regard to the evaluation of IS/IT applications, their development and implementation, to improve organizational practices, productivity and profitability;
- (v) Manage quality issues in the processes related to effective information systems planning, development and implementation;
- (vi) Maintain and further develop standards of professional practice with regard to the organizational planning processes for effective IS/IT utilization.

Admission Criteria

1. Holders of honours degree in non scientific or technical disciplines such as arts, business, management and related discipline of the UDOM or a qualification from an approved Institution of Higher Learning, deemed to be equivalent to an honours degree of the UDOM. Those in engineering and science wishing to enhance their knowledge in this field can also join.
2. Candidates with pass degrees in the above disciplines will be considered for admission provided that they have an experience of at least 5 years and have undergone a training of at least 6 months after graduation.
3. Holders of postgraduate diploma with a least B grade of UDOM in relevant disciplines or a qualification from an approved Institution of Higher Learning deemed to be equivalent to that of UDOM.

Programme Structure

Programme structure of the Full time MSc IS is described below:

Year 1**Semester 1**

Code	Courses	Credits
The following courses plus one elective		
IS 600	Database Management System Design and Application	13
IS 606	Data Mining and Data warehousing Applications	13
IS 605	Information Systems Modelling	13
Total for Semester 1		52

List of Electives for Semester 1

CS 602	Advanced Software Engineering	13
CS 603	Computer System Programming	13

Semester 2

The following courses plus one elective

IS 607	Advanced Information Systems	13
IS 601	Information Systems Acquisition and Integration	13
IS 603	E-Commerce Strategies	13
Total for Semester 2		
Total for Year 1		

List of Electives for Semester 2

IT 602	Multimedia Systems and Applications	13
IT 603	Entrepreneurship	13

Year 2**Semester 1**

The following courses plus at least one elective

CS 600	Object Oriented System Development and Programming	13
IS 604	Workflow Management and Collaborative systems	13
MS 621	Research Methods	15
Total for Semester 1		

List of Electives for Semester 1 (Subject to approval)

IT 601	Computer Networks and Information Security	13
CS 601	Artificial Intelligence	13
IT 604	Electronic Commerce Technology and Development	13

Semester 2

IS 699	Dissertation	30
Total for Year 2		

Total for the Programme	188
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Assessment mode and Award

Like the MSc IT, coursework evaluation for candidates taking MSc IS degree programme by coursework and dissertation shall be the same as that for MSc. CS and MSc TE.

MSc degree in Information Systems under the School of Informatics shall be awarded to a candidate who shall successfully accomplish a total of 158 credit courses and a dissertation that weighs 30 credits.

4.4.1.8 PhD Degree Programme

Applicants aspiring to apply for PhD programme offered under the School of Informatics must hold an MSc degree in Computer Science or Information Systems, or Information Technology or a qualification that is equivalent to the corresponding MSc degree offered by the School of Informatics or any other accredited higher learning institution *and have an exceptionally good undergraduate and postgraduate study record (with an average of over 65%)*.

Such applicants may apply for registration into the PhD degree in Computer Science or Information Systems or Information Technology. However, the MSc degree or its equivalent should have included a substantial research component. In addition, the applicant topic of research for the thesis must be *chosen in consultation with the School*. Application procedures for PhD Programme are the same across the University. For more details on PhD Programme, consult the UDOM Higher Degrees Regulations handbook.

4.4.2 School of Virtual Education

Currently, the School of Virtual Education is not offering any postgraduate programme.

4.5 COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES



College of Natural and Mathematical Sciences

4.5.1 School of Biological Sciences

The School of Biological Sciences offers the following postgraduate programmes namely;

- 1) Master of Science in Biodiversity Conservation (MSc BC)
- 2) PhD in Environmental Science and Conservation
- 3) PhD by Research (Thesis) alone

The details of the programmes are as described below:

4.5.1.1 Master of Science in Biodiversity Conservation (MSc BC)

Programme Specification

The Master of Science in Biodiversity Conservation is meant to prepare well trained scientists with a high level of appreciation, interest and knowledge on biodiversity that will allow the candidates to explore contemporary practical approaches to conservation and management through proper planning, estimating and monitoring the changes involving biodiversity. The programme is offered under full-time mode only and lasts for 18 months of which 12 months are for course-work and 6 months are for researching and writing a dissertation.

Programme Learning outcomes

Upon completion of this programme, students will be able to:

- (i) Show competence in explaining ecological interactions.
- (ii) Show ability of designing programmes that can resolve human-wildlife conflicts.
- (iii) Demonstrate ability to measure biodiversity in protected and unprotected areas.
- (iv) Demonstrate ability to design and manage wildlife conservation programmes.
- (v) Demonstrate ability to educate society on the conservation issues.
- (vi) Demonstrate ability of linking human-ecology to wildlife ecology.
- (vii) Discuss competently, the concepts and application of genetic variation, species variation, population variation, community variation and landscape variation in conservation biology.

Admission Criteria

1. Holders of a first or second-class honors degree in the relevant fields (Biological Sciences) from any accredited university or its equivalent.
2. Holders of a pass degree who have at least 5 years of working experience after graduation plus a post graduation training of at least 6 months.
3. Holders of advanced Diploma in the relevant fields from an accredited higher learning institution with a minimum of upper second class plus a postgraduate Diploma enhanced with an experience of at least 2 years after graduation.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
BI 611	Biodiversity Conservation	25
BI 612	Advanced Ecology	20
BI 613	Population Genetics	15
BI 614	Research Methodology	15
Electives		
GO 607	Environmental and Social Impact Assessment	15
BI 616	Ecotoxicology	15
Total for Semester 1		90

Semester 2

The following core courses plus any three electives

BI 621	Biostatistics	25
BI 622	Restoration Ecology	15
BI 623	Human-Wildlife Interaction	15
BI 624	Anthropogenesis and Social Ecology	20
Electives		
BI 625	Ethnobiology	15
GO 623	Remote Sensing and GIS for Natural Resources Management	15
Total for Semester 2		90
Year 2		
Semester 1		
BI 699	: Dissertation	30
Total for the Programme		210

Assessment mode and Award

Students have to complete and pass eight core courses and two electives in two teaching semesters. Courses are assessed through continuous assessment and final university examination. Continuous assessment comprises of tests; take home assignments, fieldwork, seminar presentations and long papers or a combination of these depending on the nature of the course.

Course-work shall contribute 50% of the course mark and the final assessment shall contribute 50% of the course mark. The pass mark for each course is 50% (B). To provide an opportunity to obtain an advanced level of expertise in the subject area, students are required to submit and pass an agreed research dissertation (30credits). The dissertation should be original work and should adhere to *UDOM Higher Degrees Regulations handbook*.

The Master of Science in Biodiversity Conservation will be awarded to a candidate upon successful completion of 210 credits that consists of 180credits of coursework and 30 credits of dissertation.

4.5.1.2 PhD in Environmental Science and Conservation

This programme prepares graduates with knowledge of ecological science, critical analysis of complex environmental challenges and a broad understanding of human systems by careful reflection upon normative concerns and values at the local, regional, national and global levels. The programme will run by course-work and dissertation. The duration of the programme is 36 and 48 months for full time and part time candidates, respectively.

Programme Learning Outcomes

Upon completion of this programme, students (depending on specialization) will be able to:

- i. Analyze the interrelationships among social, political, geographic, economic, and cultural aspects of environmental issues and determine the effects of power and privilege on these relationships
- ii. Explain and apply the environmental studies concepts and ecological interactions
- iii. Design programmes that integrate biological, physical and information sciences in solving environmental problems.

- iv. Evaluate the impact of climate change on biodiversity and livelihood including food security.
- v. Apply the environmental law and policy in designing the guidelines for environmental conservation.
- vi. Evaluate the biodiversity and estimating their values in monetary and non-monetary terms.
- vii. Link the concepts of physics, chemistry, biology, geology, modelling, law and economic in conservation of environmental resources.
- viii. Describe ecological systems
- ix. Engage in civic and public issues informed by normative and ethical inquiry.
- x. Demonstrate competence in a skill that complements environmental studies knowledge.

Admission Criteria

1. Holders of Master degree with a minimum GPA of 3.5 in the relevant fields (Environmental Sciences and Conservation, Environmental Management, Biological Sciences, Geology, Physics, Geography, Chemistry) from UDOM or any recognized university.
2. Candidates holding first class or upper second class bachelor's degrees including those with unclassified degrees from recognized universities may be considered for PhD admission after registering for Master degree and taking at least one full year's postgraduate training and demonstrating an outstanding performance to the satisfaction of the institution (TCU, 2012).

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
BI 611	Biodiversity Conservation	25
BI 614	Research Methods	15
BI 812	Term paper (Review of literature)	20
BI 612	Advanced Ecology	20

Electives

GO 617	Environmental and Social Impact Assessment (ESIA)	15
BI 616	Environmental Toxicology	15
BI 618	Environmental Modeling	15
BI 819	Environmental Chemistry	15

		15
Other elective courses from any department as approved by Head of Department		
Total for Semester 1		95
Semester 2		
The following core courses plus one electives		
BI 821	Environmental Statistics	20
GO 623	Remote Sensing (RS) and Geographic Information Systems (GIS)	20
LL 821	Environmental Laws and Policies	20
EN 821	Environment and Natural Resource Economics	20
Electives		
BI 822	Environmental Ethics and Philosophy	15
BI 823	Pollution Control Technologies	15
BI 824	Environmental Pollution	15
	Other elective courses from any department as approved by Head of Department	15
Total for Semester 2		95
Total for Year 1		190
Year 2& Year 3		
Dissertation		350
Total for the Programme		540

Course Delivery, Assessment mode and Awards

Candidates have to complete and pass all core and selected elective courses (190 credits) before allowed to continue with research. In addition, they will be given a relevant topic to review and publish during or after finishing coursework. The topic will relate the intended topic of their research. Courses are assessed through continuous assessment and end of semester University Examinations. Continuous assessment comprises of tests, take home assignments, fieldwork reports, seminar presentations and/or combination of these depending on the nature of the course. The coursework shall contribute 60% and the final University Examination shall contribute 40% of the total course marks. The pass mark for each course is 60%. The time allocated per paper will be three hours. Multiple choices or matching items examinations will not be included as an examination format.

To provide an opportunity to obtain an advanced level of expertise in the subject area, students are required to submit and pass an agreed research dissertation (350 credits). In addition to that, candidates must publish at least one paper in a referred Journal before submitting the dissertation for examination. The dissertation should be organized in a format where each chapter is based on one specific objective. Also, each specific objective is expected to produce a journal paper during publication. Furthermore, the dissertation MUST be original work and should adhere to University of Dodoma *Higher Degrees Regulations handbook*.

The PhD in Environmental Science and Conservation of the University of Dodoma will be awarded to a candidate upon successful completion of 540 credits that consists of 190 credits of coursework and 350 credits of dissertation.

4.5.1.3 PhD by Research (Thesis) only

The School of Biological Sciences offers PhD by Thesis in various fields under the biological sciences specialization, such as Ecology, Wildlife, Biodiversity, Microbiology, Aquatic Biology and Technology, Molecular Biology, Physiology, Entomology, Crop Production, etc, mainly depends on availability of supervisor and required laboratory facilities. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations* of the University of Dodoma.

4.5.2 School of Mathematical Sciences

The School of Mathematical Sciences of the University of Dodoma offers the following postgraduate programmes;

- 1) Master of Science in Mathematics (MSc Mathematics)
- 2) Master of Science in Statistics (MSc Stat)
- 3) PhD in Mathematics by Course work and Dissertation
- 4) PhD by Research (Thesis) Alone

4.5.2.1 Master of Science in Mathematics (MSc Maths)

Programme Specification

The aim of this programme is to prepare qualified teachers/ researchers in mathematics for teaching in colleges/Universities. The graduates will be able to serve community in different areas of modern science and technology. The programme is designed in such a way that students can achieve multidimensional knowledge of mathematical subjects. The programme is offered in a full time mode for 24 months.

Programme Learning Outcomes

Upon successful completion of this programme, a student should be able to:

- (i) Participate in teaching in higher learning institutions.
- (ii) Demonstrate the ability to conduct research work in any area of Mathematics pure as well as applied mathematics.
- (iii) Serve in the different government departments as well as in private sector, viz. National Bureau of Statistics, Department of Science and Technology etc.
- (iv) Make future policy for importance of mathematics in the development of this country.
- (v) To work independently and run their own business.

Admission into the MSc Mathematics Degree Programme

- (i) Admission to the MSc Mathematics degree programme a candidate must have at least GPA of 2.7 at a Bachelor Degree in Mathematics or Statistics or equivalent with at least one and half year studies in undergraduate mathematics OR
- (ii) Advanced Diploma in mathematics with at least a grade B+ or equivalent and at least three years experience in teaching mathematics

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
MT 611	Algebra	15
MT 612	Real Analysis	15
MT 613	Metric and Topological Space	10

MT 614	Partial Differential Equation	10
MT 615	Advanced Complex Analysis	10
Total for Semester 1		60

Semester 2

The following core courses plus two electives

MT 621	Functional Analysis	15
MT 622	Numerical Analysis	10
MT 623	Algebraic Number Theory	10
	Elective	15
	Elective	10

Total for Semester 2		60
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Elective Courses for Year 1 Semester 2 – Equations of Mathematical Physics

MT 631	Numerical Solution of Partial Differential Equations	15
MT 632	Integral Equations	15

Elective Courses for Year 1 Semester 2 – Mathematical modelling and Mechanics

MT 633	Numerical Solution of Partial Differential Equations	15
MT 634	Integral Equations	15
MT 635	Advanced Graph Theory	10

Other Elective Courses for Year 1 Semester 2

MT 636	Algebraic Coding Theory	15
MT 637	Operations Research	15
MT 638	Fuzzy Sets and Applications	10
MT 639	Financial Mathematics	10
MT 641	Optimization Theory	10

Year 2

Semester 1

The following core courses plus at least two electives

MT 711	Research Methodology	10
MT 712	Calculus of Variations	15
MT 713	Dynamical Systems	10
	Elective Courses (2)	25
Total for Semester 1		60

Elective Courses for Year 2 Semester I – Equations of Mathematical Physics

MT 731	Inverse Problems for Partial Differential Equations	10
MT 732	Equations of Mathematical Physics	15
MT 733	Fixed Point Methods for Non Linear Partial Differential Equations	10

Elective Courses for Year 2 Semester I – Mathematical Modelling and Mechanics

MT 734	Fluid Dynamics	15
MT 735	Mathematical Control Theory	10
MT 736	Space Dynamics	10

Other Elective Courses for Year 2 Semester I

MT 737	Operator Theory	10
MT 738	Wavelets	10
MT 739	Number theory and Cryptography	15
MT 741	Cosmology	10
MT 742	Nano Mechanics	10

Semester 2

MT 720	Dissertation	20
MT 721	Master Seminar	10
Total for Semester 2		30

Assessment mode and Award

- a) The academic performance of a candidate shall be evaluated in respect of the courses of study prescribed for each semester of the PG Programme through the examinations held in that semester.
- b) The course work assessment shall be 50 marks, while 50 marks shall be allotted for the end semester examinations.
- a) The assessment (sessional) in courses shall comprise minimum two class tests of at least 1 hour duration each for 40 marks and 10 marks for regularity/assignment/viva/quiz/or any other similar test.

The Master of Science in Mathematics will be awarded to a candidate upon successful completion of 285 credits that consists of 255 credits of coursework and 30 credits of dissertation.

4.5.2.2 Master of Science in Statistics (MSc Stat)**Programme Specification**

The Master of Science in Statistics degree is recommended to those who wish to broaden their theoretical knowledge in statistical research to acquire further knowledge of data analysis and apply them to their areas of specialization developed at the Bachelor's level. The discipline of Statistics lies at the heart of the type of quantitative reasoning necessary for making important advances in the all branches of Basic and Applied Sciences. This programme is

designed to provide theoretical, conceptual and operational understanding of the subject. The proliferation of quantitative information in the society demands that we help to develop the next generation of Statistics professionals while increasing the statistical literacy of our students and the frequency of inter-disciplinary collaboration. The duration for the programme is 24 months over four semesters in a full time mode.

Programme Learning Outcomes

After completion of MSc Statistics programme, students will be able to.

- (i) Analyze a given statistical problem and select the most appropriate tools for its solution.
- (ii) Develop practical statistical approach and exposition of systematic statistical thinking and reasoning.
- (iii) Identify an appropriate statistical model for a specific statistical problem.
- (iv) Solve various statistical problems through latest software.
- (v) Formulate projects.

Admission Criteria

In addition to general admission criteria of UDOM, minimum entry qualification for MSc Statistics shall be bachelor degree in Mathematics or Statistics or equivalent with minimum of 2.7 GPA.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
ST 611	Probability Theory & Probability Distributions	15
ST 612	Advanced Sampling Theory	10
ST 613	Actuarial Statistics	10
ST 614	Theory of Estimation	10
ST 615	Theory of Regression Models	10
Total for Semester 1		55

Semester 2

The following core courses plus one elective

ST 621	Theory of Statistical Hypothesis	10
ST 622	Design of Experiments	10
ST 623	Reliability and Life Testing	10

ST 624	Practical- I	10
ST 625	Advanced Time Series Analysis	12.5
Total for Semester 2		52.5

Year 2

Semester 1

The following core courses plus at least two electives

ST 711	Multivariate Analysis	10
ST 712	Practical -II	10
ST 713	Research Methodology	12.5
	Two Elective Courses	20

Total for Semester 1		52.5
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Elective Courses for Year 2 Semester I

ST 714	<i>Econometrics</i>	10
ST 715	Bio-Statistical Methods	10
ST 716	Statistical Quality Control	10
ST 717	Operational Research	10

Semester 2

ST 721	Dissertation	30
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Total for Semester 2		30
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Total for the Programme		190
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Course Delivery, Assessment mode and Award

The courses shall be delivered with a combination of lectures, tutorials, computer laboratory works. The continuous assessment will be evaluated through tests, seminars, assignments, quizzes and exercises. Seminar and practical courses shall be evaluated through students report, supervisor's report and presentation and distribution of marks will depend on the nature of the course. Course-work shall comprise 50% of the assessment.

Final University Examination will consist of one paper. Time allocated for each end semester university examination will be three hours. The final University Examination will also comprise 50% of the assessment and minimum pass mark shall be 50%.

The Master of Science in Statistics of the University of Dodoma will be awarded to a candidate upon successful completion of 190 credits that consists of 160 credits of coursework and 30 credits of dissertation.

4.5.2.3 PhD in Mathematics

Programme Specification

This is a PhD in Mathematics programme that runs by Coursework and Dissertation. It combines Pure Mathematics and Applied Mathematics. The programme will prepare mathematics researchers destined to impact the future mathematics and its applications in Tanzania and East Africa. The requirements of the programme are fulfilled within 36 and 48 months for full time and part time, respectively. PhD in Mathematics programme will involve the following specialization areas:

1. Algebra (ALG);
2. Equations of mathematical physics (EMP), and;
3. Mathematical modeling (MM).

Programme Learning Outcomes

Upon completion of programme, graduates should be able to:

- i) Apply knowledge of the chosen scientific domain to solve modern mathematical problems.
- ii) Judge, analyze and synthesize new and complex scientific ideas.
- iii) Communicate to their peers, to the scientific community in general and to the rest of the society ideas and knowledge from their area of expertise.
- iv) Promote a knowledge-based society in either an industry or an academic environment.
- v) Produce an original and significant scientific research project in accordance with the highest academic standards worth of being published in peer reviewed international scientific journals.

Admission Criteria

Candidates who aspire for admission into the PhD programme in Mathematics in the Department of Mathematics of the University of Dodoma must fulfill the following criteria:

1. Be in possession of MSc degree in Mathematics or other related field with a minimum GPA of 3.0 from UDOM or any other recognized University.
2. Have an evidence of mastery of the English language.

Programme Structure

Specialization of Algebra

Year 1

Semester 1

Code	Courses	Credits
The following core course plus two electives		
MT 811	Advanced Modern Algebra	30
	Elective	30
	Elective	30
Total for Semester 1		90

Semester 2

The following core courses plus one elective		
MT 812	Algebraic Geometry	30
MT 801	PhD Seminar	15
MT 802	PhD Seminar	15
	Elective	30
Total for Semester 2		90
Total for Year 1		180

Year 2

Semester 1

Code	Courses	Credits
The following core courses		
MT 803	PhD Seminar	15
MT 804	PhD Seminar	15
	Elective	30
PhD Proposal Development		-
Total for Semester 1		60

Semester 2

PhD Proposal Development	-
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Year 3

PhD Dissertation writing, submission and defence	300
Total for the Programme	540

Specialization of Equations of Mathematical Physics

Year 1

Semester 1

Code	Courses	Credits
The following core course plus two electives		
MT 811	Equations of Mathematical Physics	30
	Elective	30
	Elective	30

Total for Semester 1	90
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Semester 2

The following core courses plus one elective

MT 812	Inverse Problems in Mathematical Physics	30
MT 801	PhD Seminar	15
MT 802	PhD Seminar	15
	Elective	30
Total for Semester 2	90	
Total for Year 1	180	

Year 2

Semester 1

Code	Courses	Credits
	The following core courses	
MT 803	PhD Seminar	15
MT 804	PhD Seminar	15
	Elective	30
	PhD Proposal Development	-
Total for Semester 1		60

Semester 2

PhD Proposal Development	-
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Year 3

PhD Dissertation writing, submission and defence	300
Total for the Programme	540

Specialization of Mathematical Modeling

Year 1

Semester 1

Code	Courses	Credits
	The following core course plus two electives	
MT 811	Viscous Flow	30
	Elective	30
	Elective	30
Total for Semester 1		90

Semester 2

The following core courses plus one elective

MT 812	Mechanics of Solids and Materials	30
MT 801	PhD Seminar	15
MT 802	PhD Seminar	15
	Elective	30
Total for Semester 2		90

Total for Year 1	180
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Year 2

Semester 1

Code	Courses	Credits
The following core courses		
MT 803	PhD Seminar	15
MT 804	PhD Seminar	15
	Elective	30
	PhD Proposal Development	-
Total for Semester 1		60

Semester 2

PhD Proposal Development	-
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Year 3

PhD Dissertation writing, submission and defence	300
Total for the Programme	540

List of Electives

MT 813	Algebraic Topology	30
MT 814	Arithmetic of Elliptic Curves	30
MT 833	Calculus of Variations	30
MT 823	Equations of Mathematical Biology	30
MT 834	Stochastic Differential Equations	30
MT 824	Finite Element Method for Partial Differential Equations.	30

Course Delivery, Assessment mode and Award

Courses shall be assessed through Continuous Assessment (CA) and the End of Semester University Examination. The CA, which comprises of quizzes, assignments and tests /or a combination of these depending on the course nature, contributes 50 marks to the total course marks. The end of semester university examination, shall be an oral/written examination, it shall contribute 50 marks. The course shall be assessed by the course instructor and an expert in the field the Department. Seminar courses shall be assessed by special committee chosen by the Department. The seminar course grade is Passed/Failed.

The PhD in Mathematics of the University of Dodoma will be awarded to a candidate upon successful completion of 540 credits that consists of 240 credits of coursework and 300 credits of dissertation.

4.5.2.4 PhD by Research (Thesis) only

The School of Mathematical Sciences is also offering a PhD by research only in a wide range of mathematics and statistics specialty, the programme is also fulfilled within 36 and 48 months for full time and part time, respectively. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations* of the University of Dodoma.

4.5.3 School of Physical Sciences

The School of Physical Sciences offers the following postgraduate degree programmes;

- 1) Master of Science in Chemistry (MSc Chem)
- 2) Master of Science in Physics (MSc Phy)
- 3) PhD By Research (Thesis) alone

The details of the programmes are as presented below.

4.5.3.1 Master of Science in Chemistry (MSc Chem)

Programme Specification

The field of chemistry is tremendously developing through research, where new knowledge is continually created. For example, the emerging fields of nanotechnology and molecular recognition are areas that are attracting a lot of interest to many researchers in Chemistry and related fields. Furthermore, the world is now much more aware of the importance of protecting the environment and various techniques have been developed to monitor its state. Thus, the need to prepare curriculum to suit the prevailing needs of the chemical industry, chemical research and the concern for the environmental protection that reflect recent developments in the field is highly important. The Master of Science in Chemistry of UDOM has been developed to address those requirements.

The duration of this programme is 24months with four semesters. In the first two semesters, students will attend lecture classes and seminars. In the last

two semesters, students will conduct their research and write their dissertations.

Programme Learning Outcomes

After completion of the programme, the prospective Chemist will be able to.

- i) Identify and carry out investigations on plant materials and natural products for pharmaceutical and other uses.
- ii) Apply chemistry of environments to solve environmental related problems.
- iii) Apply chemical techniques for collection, processing, storage and preservation of evidence for forensic use.

Admission Criteria

1. Holders of a First or Second Class honours degree in Chemistry, Pharmacy, Environmental Sciences, Natural Product, Education and other related fields where Chemistry was one of the subjects from any recognized University or Institution of Higher Learning deemed to be equivalent to an honors degree of UDOM.
2. Candidates with pass degrees in the above disciplines will be considered for admission provided that they have an experience of at least 5 years and have undergone a training of at least 6 months after graduation.
3. Holders of postgraduate diploma in Chemistry or related fields in chemical industries.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
CH 610	Pharmaceutical Chemistry	15
CH 611	Advanced Organic Chemistry	10
CH 612	Computational Quantum Chemistry	15
CH 613	Advanced Analytical Instrumentation	15
CH 614	Advances in Coordination Chemistry	15
CH 615	Forensic Chemistry	10
One Elective		10
Total for Semester 1		90

Electives for Semester 1

CH 616	Advances in Separation Sciences	10
CH 617	Surface Chemistry and Corrosion Sciences	10
CH 618	Dynamic Biochemistry	10

Semester 2

The following core courses plus one elective

CH 620	Research Methodology	15
CH 621	Advanced Solid State Chemistry	15
CH 622	Advanced Environmental Chemistry	20
CH 623	Advanced Chemical Kinetics and Catalysis	15
CH 624	Advances in Spectroscopy	15
CH 625	Chemistry of Natural Products	10
One Elective		10
Total for Semester 2		100

Electives for Semester 2

CH 626	Glycology	10
CH 627	Advanced Organometallic Chemistry	10
CH 628	Advances in Materials Science	10
CH 629	Advanced Biopolymer Materials	10
CH 630	Theoretical and Applied Electrochemistry	10

Total for Year 1	190
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Year 2

CH 699: Dissertation	30
Total for the Programme	220

Course Delivery, Assessment mode and Award

Course-work shall contribute 50% of the course mark and the final assessment shall contribute 50% of the course mark. The pass mark for each course is 50% (B). Continuous assessment comprises of tests; take home assignments, fieldwork, laboratory works and seminar presentations or a combination of these depending on the nature of the course. Students have to complete and pass 12 core courses and two electives in two teaching semesters. Courses are assessed through continuous assessment and final university examination.

The Master of Science in Chemistry of the University of Dodoma will be awarded to a candidate upon successful completion of 220 credits that consists of 190 credits of coursework and 30 credits of dissertation.

4.5.3.2 Master of Science in Physics (MSc Phys)

Program specification

There is a high demand in the country for graduates with a good background in Physics. Tanzania as one of the emerging countries in the Africa/world badly needs such physicists for the advancement of physics and related science and engineering fields. Hence it is very essential to establish and start the MSc in Physics programme to meet the required demand of the country at the University of Dodoma, which is one of the largest public universities in the country. A strong foundation in Physics is necessary for careers in research, industry, energy sector, medicine, climate prediction, environmental management, teaching, and the IT sector. Thus, it is imperative that students be equipped with strong Physics knowledge and skills, which enable them to be productive. Also the establishment of the programme at this time is highly important as it is in line with the Missions of the University of Dodoma, the Tanzania Development Vision 2025, the National Strategy for Growth and Reduction of Poverty (NSGRP) and the Millennium Development Goals of Tanzania.

The duration of this programme shall be two academic years (24 months) with four semesters. In first two semesters of the first academic year the students will be taking compulsory advanced physics core courses along with one elective in each semester.

Programme Learning Outcomes

After the successful completion of the programme, the prospective scientist will be able to:

- i. Acquire the capability to work as professional physicists in teaching, research, consultancy and physics related careers in industry, energy, public services and related fields.
- ii. Attain a solid knowledge and understanding of classical and modern physics; along with the associated mathematics and experimental techniques to become instructors at higher educational institutions.
- iii. Equip with analytical, mathematical, and computational skills, which are very much required and valued to enter a wide range of professional careers.
- iv. Use the knowledge of nuclear and particle theory to advance topics in fission, fusion, radiation, medicine and decay of high-energy elementary physics.

- v. Apply the principles of electronics in designing electronic systems and instrumentation.
- vi. Relate the principles of astrophysics to space and cosmology.
- vii. Transmit the knowledge on materials science and nanotechnology to make new materials with exotic properties.
- viii. Acquire and apply principles of spectroscopy for determination of molecular structures.

Admission Criteria/Entry Qualifications

Apart from the admission regulations and requirements of the UDOM the applicant must have:

- i. Bachelor degree in Physics or Bachelor degree in Education where Physics as one of the subjects with an overall grade of lower second GPA (i.e., GPA 2.7 and above).
- ii. Holders of a pass degree who have at least three (3) years of working experience in the field of physics after graduation.
- iii. Holder of UQF level 7 (advanced/higher Diploma) in the relevant fields from a recognised higher learning institution with a minimum of upper class plus a postgraduate diploma (UQF level 9) and at least two (2) years of working experience.
- iv. The Prior Learning (PL) knowledge is not recognized as admission criteria for this programme.

Program structure

Year 1

Semester 1

The following courses plus one elective

Code	Courses	Credits
PH 611	Advanced Mathematics for Physics	12.5
PH 612	Advanced Classical Mechanics	7.5
PH 613	Advanced Electronics	10
PH 614	Condensed Matter Physics I	10
PH 615	Advanced Quantum Mechanics	10
PH 616	Advanced Nuclear Physics	10
PH 617	Lab I	10
	Elective I	10
Total for semester 1		80

Semester 2

Code	Courses	Credits
PH 621	Advanced Computational Physics	10
PH 622	Research Methodology	10

PH 623	Advanced Statistical Mechanics	10
PH 624	Advanced Electronic Instrumentation	10
PH 625	Advanced Electrodynamics	10
PH 626	Modern Optics & Spectroscopy	10
PH 627	Lab II	10
	Elective II	10
Total for semester 2		80
Total semester 1 and 2		160

Electives

PH631	Condensed Matter Physics II	10
PH632	Materials Science I	10
PH633	Laser Physics & Optoelectronics	10
PH634	High Energy Particle Physics	10
PH635	Renewable Energy Resources	10
PH641	Nanotechnology	10
PH642	Materials Science II	10
PH643	Physics at B Factory	10
PH644	Physics of Semiconductor Devices	10
PH645	Fibre Optics and Applications	10

Year 2

CH 701: Dissertation	30
Total for the Programme	190

Mode of Assessment and Award

The courses shall be delivered with a combination of lectures, tutorials, and seminars. Continuous assessment will be evaluated through tests, assignments, and presentations. It comprises of a 50% of the assessment. Seminar and practical courses shall be evaluated through student's report, supervisor's report and presentation. There shall be no university examination. Distribution of marks will depend on the nature of the course.

4.5.2.4 PhD by Research (Thesis) only

Apart from the MSc Chemistry and Physics programmes, the School of Physical Sciences offers PhD degree programme by Thesis in the areas of Renewable Energy, Physics, Chemistry, etc. The programme duration is 36 and 48 months for full time and part time, respectively. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations* of the University of Dodoma.

4.6 COLLEGE OF EARTH SCIENCES



College of Earth Sciences

4.6.1 School of Mines and Petroleum Engineering

The School of Mines and Petroleum Engineering is offering the following postgraduate programmes.

- 1) Master of Science in Geology by Research (Thesis) alone
- 2) Master of Science in Petroleum Geosciences (MSc GS)
- 3) Master of Science in Mineral Exploitation (MSc ME)

Details of the programmes are given below.

4.6.1.1 Master of Science in Geology by Thesis (MSc Geo)

Programme Specification

Master of Science in Geology by Research (Thesis) alone is a full time 24 months programme offered by the School of Mines and Petroleum Engineering in various areas such as Mineralogy/Petrology, Sedimentology/Stratigraphy, Micropalaeontology/Palynology, Economic Geology, Geochemistry, Geophysics/Seismology, Structural Geology, Volcanology, Environmental Geology and Hydrology. The programme is intended to provide this country well trained and qualified people, who can conduct different research to locate, map and exploit natural resources. This programme is designed to train students to become researchers and problem solvers in different fields in Geology.

The Admission criteria, assessment methods and the degree award for the Master of Science in Geology will be as outlined in the *UDOM Higher Degrees Regulations* handbook.

4.6.1.2 Master of Science in Petroleum Geosciences (MSc GS)

Master of Science in Petroleum Geosciences is also a 24 months degree programme offered by course work and dissertation in full time mode only. The programme is designed to provide students with training in the main area lines of research currently pursued in the geological characterization and modelling of geological reservoirs as well as understanding of its tectonic context. Graduates from this programme will have sufficient theoretical and

practical knowledge, capability, and skills to work with utmost confidence in petroleum industry in a variety of geological settings.

Programme Learning Outcomes

At the end of the programme, the graduate with MSc in Petroleum Geosciences degree will be able to:

- i) Understand the sedimentary basin concepts/principles and be able to apply this knowledge in the practice of petroleum exploration as well as actively seek and apply latest knowledge to adapt to requirements and changes in the work place in a scientific, professional and ethical manner.
- ii) Gain familiarity with the most modern techniques and tools currently used by the members of research teams involved on the three-dimensional characterization of reservoirs and the analogical and numerical modelling of geological processes.
- iii) Expand and consolidate their knowledge of the characterization and modelling of processes governing the genesis and subsequent evolution of petroleum reservoirs.
- iv) Use market-leading technology in hydrocarbon exploration and production in order to optimize results.
- v) Manage, develop and implement strategies for hydrocarbon exploration and production.

Admission Criteria

1. Holders of a first or second-class honours bachelor degree programme (i.e GPA 2.7 and above) in Geology or related science programme from any recognized university or its equivalents.
2. Holders of a pass degree who have at least 3 years of working experience in the field of geosciences after graduation.
3. Holders of UQF level 7 (advanced/higher Diploma) in the relevant fields from a recognized higher learning institution with a minimum of upper class plus a postgraduate Diploma (UQF level 9) and at least 2 years working experience.
4. The Prior Learning (PL) knowledge is not recognized as admission criteria for this programme.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
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The following core courses

GS 610	Advanced Structural Geology and Tectonics	15
GS 611	Sedimentology and Stratigraphy	15
GS 612	Petroleum Systems	10
GS 613	Petroleum Exploration Techniques	10
GS 614	Seismic Interpretation	10
GS 615	Petroleum Geochemistry	10

Total for Semester 1

70

Semester 2

The following core courses plus one elective

GS 620	Sedimentary basin evolution	15
GS 621	Advanced Remote Sensing and GIS for Earth Sciences	15
GS 622	Analogical sandbox modelling	10
GS 623	Research methodology	10
GS 624	Environmental Impact Assessment	10

One Elective

10

Total for Semester 2

70

Electives for Semester 2

GS 625	Core and Petrophysical well logging	10
GS 626	Clastic and Carbonate Reservoir Sedimentology	10
GS 627	Geostatistics	10
GS 628	Petroleum Law & Contract Administration	10
GS 629	Biostratigraphy	10

Total for Year 1

140

Year 2

GS 630	Field Practical Training	10
GS 631	Dissertation	40

Total for Year 2

50

Total for the Programme

190

Assessment mode and Award

Students have to complete and pass 11 core courses and one elective in two teaching semesters. Courses are assessed through continuous assessment and final university examination. Continuous assessment comprises of tests; take home assignments, fieldwork, laboratory works, case studies, and seminar presentations or a combination of these depending on the nature of the course.

Course-work shall contribute 50% of the course mark and the final assessment shall contribute 50% of the course mark. The pass mark for each course is 50% (B).

The Master of Science in Petroleum Geosciences of the University of Dodoma will be awarded to a candidate upon successful completion of 190 credits that consists of 140 credits of coursework, 10 credits of practical training and 40 credits of dissertation.

4.6.1.3 Master of Science in Mineral Exploration (MSc ME)

Programme Specification

Master of Science in Mineral Exploration is a 24 months degree programme, also offered by course work and dissertation in full time mode only. It has a focus on modern exploration techniques of enhancing exploration of minerals. Graduates from this programme will have adequate theoretical and practical knowledge, capability, and skills to work confidently in the mining sector.

Admission Criteria

1. Holders of a first or second class honours bachelor degree (i.e. GPA 2.7 and above) in Geology/related Geosciences, Chemistry, Electronics or Physics from any recognized University or its equivalents.
2. Holders of a pass degree who have at least 3 years of working experience in the above disciplines after graduation.
3. Holders of UQF level 7 (Advanced/higher Diploma) in the relevant fields from a recognized higher learning institution with a minimum of upper second class plus a postgraduate Diploma (UQF level 9) and have at least 2 years of working experience.

Programme Learning Outcomes

At the end of the programme, students will be able to:

- i) Map and locate potential resources in various mineralized areas;
- ii) Utilize, apply and adopt scientific methods in the practice of mineral exploration and problem solving for clients, as well as appreciate the need for self-assessment and improvement in meeting the demands of industry and society;
- iii) Actively apply latest knowledge to adapt to requirements and changes in work place in a scientific, professional and ethical manner;

- iv) Apply experience and knowledge in Geology to explore opportunities in the World of Entrepreneurship.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses plus one elective		
MX 611	Ore genesis	15
MX 612	Exploration Geophysics	15
MX 613	Plate Tectonics and Mineralisation	10
MX 614	Techniques of Geochemical Analysis	10
MX 615	Mineral Economics	10
One Elective		10
Total for Semester 1		70

Electives for Semester 1

MX 616	Precambrian Geology and mineralization.	10
MX 617	Advanced Ore Microscopy	10
MX 618	Coal and Petroleum Geology	10

Semester 2

The following core courses plus one elective

MX 621	Exploration Geochemistry	15
MX 622	Ore Reserves Estimation and Mining Methods	15
MX 623	Field Exploration Methods and GIS Applications	10
GS 623	Research Methodology	10
GS 624	Environmental Impact Assessment	10
One Elective		10
Total for Semester 2		70

Electives for Semester 2

MX 624	Applied Environmental Geochemistry	10
GS 627	Geostatistics	10
MX 625	Ore Geochemistry and Mineral deposits	10
Total for Year 1		140

Year 2

MX 626	Field Practical Training	10
MX 627	Dissertation	40
Total for Year 2		50
Total for the Programme		190

Assessment mode and Award

Courses are assessed through continuous assessment and final university examination. Continuous assessment comprises of tests; take home assignments, fieldwork, laboratory works, case studies, and seminar presentations or a combination of these depending on the nature of the course.

Course-work shall contribute 50% of the course mark and the final assessment shall contribute 50% of the course mark. The pass mark for each course is 50% (B). Students have to complete and pass 10 core courses and two electives in two teaching semesters.

The Master of Science in Mineral Exploration of the University of Dodoma will be awarded to a candidate upon successful completion of 190 credits that consists of 140 credits of coursework, 10 credits of practical training and 40 credits of dissertation.

4.6.1.4 PhD Programme

The College of Earth Sciences is also offers a PhD by Research (Thesis) alone in areas such as Environmental Engineering, Mineral Exploration, Renewable Energy, Geology, etc. The programme duration is 36 and 48 months for full time and part time, respectively. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations* of the University of Dodoma.

4.6.2 School of Environmental Sciences and Technology

Currently, there is no postgraduate programme offered by the School of environmental Sciences and Technology.

4.7 COLLEGE OF HEALTH SCIENCES



Administration Block – College of Health Sciences



Library - College of Health Sciences

4.7.1 School of Nursing and Public Health

The School of Nursing and Public Health offers the following postgraduate programmes.

- 1) Master of Science in Nursing - Mental Health (MSc Nursing, Mental Health);
- 2) Master of Science in Paediatric Nursing (MSc PN);
- 3) Master of Science in Nursing Education (MSc NE);
- 4) Master of Science in Public Health (MSc PH);
- 5) Master of Science in Midwifery (MSc Mid), and;
- 6) PhD by Research (Thesis) alone in the related areas.

Details of the programmes are described here below;

4.7.1.1 Master of Science in Nursing - Mental Health (MSc NMH)

Programme Specification

The MSc Mental Health Nursing Programme is a 24 months master's programme in course work and dissertation consisting of 18 months of course work after which a student selects a topic of interest in mental health field and does research on it to produce a dissertation. The course consists of lectures, seminars, tutorials and clinical rotations at the Mirembe mental Health hospital, Isanga Forensic Unit and the Hombolo mental health rehabilitation village. This will give the graduate opportunity to practice what is acquired during theory classes.

The coursework provides broad-based training designed to equip the graduate with the competencies necessary to confront a wide variety of challenges in mental health practice. These range from general psychiatric nursing to substance abuse, family violence, divorce, aging, and general emotional problems and other community mental health problems.

The Master's degree programme in Mental Health Nursing is designed for registered graduate nurses with Bachelor of Science in nursing who are currently serving, or will serve in the field of mental health.

Programme Learning Outcomes

Upon completion of this programme, graduates shall be able to:

- (i) Describe principles of professional nursing practice in Psychiatric & Mental Health Nursing.
- (ii) Review concepts that provide the foundation for Psychiatric & Mental Health practice.
- (iii) Discuss diagnostic criteria and assessment tools utilized to differentiate Psychiatric & Mental Health disorders across the lifespan.
- (iv) Identify therapeutic interventions and treatment modalities in Psychiatric & Mental Health Nursing.
- (v) Recognize special populations at risk for developing Psychiatric & Mental Health complications.
- (vi) Provide primary, secondary and tertiary interventions using a variety of treatment modalities to promote the health and wellness of individuals, families and communities.
- (vii) Critically analyse information relevant to their profession i.e. clinical data, government policy, research findings, and apply this knowledge to their practise areas.

Admission Criteria

1. Holders of a First or Second Class honours BSc Nursing degree of any accredited University or its equivalent from any approved higher learning institution provided that the applicant has completed internship.
2. Candidates with pass degrees in the above discipline will be considered for admission provided that they have competed internship and have a working experience of at least 2 years.
3. Candidates must be registered Nurse by TNMC (at least has a temporary registration).

Programme Structure

The MSc Nursing - Mental Health curriculum is organized into four semesters. Lectures, seminars and practical will be covered in the first three semesters while dissertation work will be covered in the last semester. The structure of the programme is as shown below:

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
MH 611	Advanced Mental Health Practice	25.5

ER 600	Epidemiology and Biostatistics	18
MH 612	Contemporary Issues in Mental Health	18
	Nursing	
Total for Semester 1		61.5

Semester 2

The following core courses

MH 613	Child and Adolescent Mental Health	21
NR 600	Nursing Research	12
MH 614	Advanced Therapeutic Skills	21
NE 600	Nursing Ethics	12
Total for Semester 2		66

Year 2

Semester 1

The following core courses

CL 711	Consultation and Leadership	20
MH 712	Advanced Community Mental Health	20
Total for Semester 1		40

Semester 2

MH 699: Dissertation	30
Total for the Programme	197.5

Assessment mode and Award

Courses are assessed through continuous assessment and final university examination. Continuous assessment comprises of tests; assignments, fieldwork, practical, seminar presentations and long papers, clinical work or a combination of these depending on the nature of the course. Course work shall contribute 50% of the course mark and the final assessment exercise shall contribute 50% of the course mark. The pass mark for each course is 50%.

The Master of Science in Nursing - Mental Health will be awarded to a candidate upon successful completion of 197.5 credits that consists of 167.5 credits of coursework and 30credits of dissertation.

4.7.1.2 Master of Science in Paediatric Nursing (MSc PN)

Programme Specification

The Master of Science in Paediatric Nursing (MSc PN) programme prepares graduates to deliver specialized child and adolescent health care in a variety of clinical settings locally, regionally, and internationally. The programme equips its graduates with the necessary knowledge, skills, and attitude required for the delivery of advanced, high quality and culturally sensitive health care.

The primary aim of the programme is to prepare nurses to assume an advanced practice role in the care of paediatric clients. Graduates of the programme will be able to provide comprehensive wellness and illness care through preventive health services, patient education, and acute and chronic illness and disease management.

The program is delivered over 24 months for a total of four semesters, and includes both didactic and clinical immersion experiences. The program is designed for the registered/provisionally registered graduate nurse with a Bachelor of Science in nursing degree, Bachelor of Science in Midwifery, or Bachelor of Science in Nursing Management.

Programme Learning Outcomes

After completion of the programme, the graduate is expected to be able to:

- i) Apply the concepts of growth and development in providing care to paediatric clients and their families while taking the child as a holistic individual.
- ii) Perform physical, developmental, and nutritional assessment of paediatric patients and apply the nursing process in the care of children and adolescents.
- iii) Integrate the concept of family centered paediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illnesses.
- iv) Demonstrate advanced competencies in nursing management of children and adolescents with medical and surgical problems.
- v) Recognize and manage emergencies in children and adolescents health and provide nursing care to critically ill and terminally ill children and adolescents, including counselling to the client, parents and significant others.

- vi) Understand recent technologies and treatment modalities in the management of children and adolescents and uphold the legal and ethical issues pertaining to paediatric nursing.
- vii) Conduct research in the area of paediatric nursing.

Admission Criteria

A graduate of a recognized University who had been admitted to the status of BSc Nursing or Equivalent with a GPA of at least 2.7. Each applicant must satisfy all general requirements set out under the regulations for a Master degree of the University of Dodoma. Applicants must be registered Nurse by TNMC (at least has a provisional registration).

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
PN611	Advanced Paediatric Health Assessment	21
PN612	Advanced Paediatric Growth and Development	8
PN613	Population Focused Paediatric Care	9.2
ER600	Epidemiology and Biostatistics	18
SR614	Research Seminar I	3.6
NS 613	Bioethics	8
Total for Semester 1		67.8

Semester 2

The following core courses

PN621	Advanced Paediatric Pharmacotherapeutics	6
PN622	Advanced Paediatric Nursing Care I	27.5
PN623	Current Trends and Issues in Advanced Paediatric Nursing	6
NR600	Research Methodology I	12
SR624	Research Seminar II	3.6
Total for Semester 2		55.1
Total for Year 1		122.9

Year 2

Semester 1

The following core courses

PN711	Advanced Paediatric Nursing Care II	27.5
NP713	Administration of Nursing and Health Services	14
NR601	Research Methodology II	30

SR714	Research Seminar III	3.6
Total for Semester 1		75.1

Semester 2

PN699	Dissertation	58.4
SR722	Research Seminar IV	3.6
Total for Semester 2		62
Total for Year 2		137.1
Total for the Programme		260

Assessment mode and Award

Courses are assessed through continuous assessment and final university examination. Continuous assessment comprises of tests; assignments, fieldwork, practical, seminar presentations and long papers, clinical work or a combination of these depending on the nature of the course.

Coursework shall contribute 50% of the course mark and the final assessment exercise shall contribute 50% of the course mark. The pass mark for each course is 50%. To provide an opportunity to obtain an advanced level of expertise in the subject area, students are required to submit and pass an agreed research dissertation (30 credits). The pass mark for the examinations shall be 50%. (B grade) and the degree shall be classified. The dissertation should be original work and should adhere to University of Dodoma (UDOM) higher degrees regulations. The Master of Science in Paediatric Nursing of the University of Dodoma will be awarded to a candidate upon successful completion of 260 credits.

4.7.1.3 Master of Science in Nursing Education (MSc NE)

Programmes Specification

The Master of Science in Nursing Education Programme is a 24 months master's programme with both course work and dissertation in a full time mode. During the dissertation a student will select a topic of interest in Nursing Education field and extensively research on that specific area under the supervision of faculty specialist. The coursework consists of lectures, seminars, tutorials and one of four clinical specialty electives. During the clinical specialty elective, each student will develop a curriculum and get a chance to implement and evaluate it throughout the course of study. Trainee will select area of clinical education specialty in the third Semester. There will be four clinical specialty electives, which shall include: Medical-Surgical

nursing, Midwifery, Pediatrics & Neonatology and Mental Health Nursing. Upon graduation, students will be awarded a Master of Science in Nursing Education in the clinical specialty of the elective, e.g. MSc NE (Medical-Surgical), (Paediatric & Neonatology), (Midwifery), or (Mental Health) respectively.

The programme will include appropriate field attachments through which students will have opportunity to practice what is acquired during theory classes. This course is designed to assist students to develop a broad understanding of Fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programmes. Emphasis will be put to ensure that, our graduates are competent clinicians, educationists and researchers as well as theorists who will shape both nursing practice and nursing knowledge.

The Master Degree Programme in Nursing Education is designed for Nurses and Midwives with BSc. Nursing, BSc. Nursing Education, BSc. Nursing Management and BSc. Midwifery after a minimum of one year Experience.

Programme Learning Outcomes

After completion of the programme, the graduate is expected to be able to:

- i. Critically analyze the aims of education, philosophies, trends in education and health: its impact on nursing education.
- ii. Describe the teaching learning process; prepare and utilize various instructional media and methods in teaching learning process.
- iii. Demonstrate competency in teaching, using various instructional strategies and critically analyze the existing nursing educational programmes, their problems, issues and future trends.
- iv. Describe the process of curriculum development and evaluation, and the need and methodology of curriculum change, innovation and integration.
- v. Plan and conduct continuing nursing education and professional development programmes and critically analyze the existing teacher preparation programmes in nursing and demonstrate skill in guidance and counselling.
- vi. Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.

- vii. Analyze the underlying principles, premises, theories, research, models and practices needed by nurse educationist, administrators and managers.

Admission Criteria

1. A graduate of a recognized University who has been admitted to the status of BSc. Nursing, BSc. Nursing Management, BSc. Midwifery or BSc. Nursing Education degree with a minimum GPA of 2.7.
2. Each applicant must satisfy all the general requirements set out under the regulations for a Master degree of the University of Dodoma. The applicant must be a registered Nurse by TNMC (at least has a provisional registration).

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
NE611	Teaching Methodology	25
ER600	Epidemiology and Biostatistics	18
NE612	Pathopharmacological Foundations for Advanced Nursing Education I	27
SR614	Research Seminar – I	3.6
Total for Semester 1		73.6

Semester 2

The following core courses

NE621	Curriculum Development and Evaluation	18
NR600	Research Methodology I	12
NE622	Pathopharmacological Foundations for Advanced Nursing Education II	16
SR624	Research Seminar II	3.6
NE623	Comprehensive Nursing Education Field Experience	17.6
Total for Semester 2		67.2
Total for Year 1		140.8

Year 2

Semester 1

The following core courses

NE711	Management of Nursing Education and Practice	20
NE712	Clinical Specialty I	40
SR713	Research Seminar III	3.6
NR601	Research Methodology II	10

Total for Semester 1	73.6
Semester 2	
NE721 Clinical Specialty II	40
SR722 Research Seminar IV	3.6
NE699 Dissertation	30
Total for Semester 2	73.6
Total for Year 2	147.2
Total for the Programme	288

Assessment mode and Award

Courses are assessed through continuous assessment and final university examination. Continuous assessment comprises of tests; assignments, fieldwork, practical, seminar presentations and long papers, clinical work or a combination of these depending on the nature of the course.

Coursework shall contribute 50% of the course mark and the final assessment exercise shall contribute 50% of the course mark. The pass mark for each course is 50%. The pass mark for the examinations in the Master of Science in Nursing Education shall be 50%. (B grade) and the degree shall be classified.

The Master of Science in Nursing Education will be awarded to a candidate upon successful completion of 288 credits that consists of 258 credits of coursework and 30 credits of dissertation.

4.7.1.4 Master of Science in Midwifery (MSc Mid)

Programme Specification

This course is designed to assist students in developing expertise and in-depth understanding in the field of Midwifery. It will help students to gain a deeper understanding of women and children health and develop advanced skills to function as an independent practitioner. It will further enable students to function as educators, managers, and researchers in the field of mother and child health. The students will get the chance to apply knowledge through intensive clinical placements which enable students to conceptualizing women and child health problems, evaluating available information, and measuring

well being in order to care for, promote and maintain the health of mothers and children.

The students will demonstrate the ability to facilitate learning through effective teaching. In addition they will design and implement ethically sound research studies, analyze data and prepare a report as well as publish their findings. The Master of Science in Midwifery degree is a two years (24 months) programme in course work and dissertation. The course consists of lectures, seminars, tutorials and clinical rotations at the Dodoma Referral hospital. This will give the graduate opportunity to practice what is acquired during theory classes. The length of the programme is sufficient to enable the student, on successful completion, to achieve the specified competencies or learning outcomes, the academic award and the specialty qualification relevant to this programme.

Learning Outcomes:

After completion of the program, the graduate is expected to be able to

1. Describe concepts in midwifery care including Women-/Family-Centered Care and Humanization of Childbirth
2. Assess, monitor, and evaluate the condition of mothers and children in a variety of clinical settings (during antenatal, intrapartum, postpartum as well as neonatal periods)
3. Assimilate knowledge of theories and research methodologies as well as the procedure of evidence based practice (PICO or PECO model) as measured by written examinations, small group discussions, and oral presentations.
4. Assess, plan, implement and evaluate health programmes in units, services and communities, based on relevant evidence as measured by written examinations and group assignments.
5. Establish management priorities for issues in maternal and neonatal wellness and complications
6. Establish and maintain a therapeutic environment for mothers and children within the framework of the institutional policy and guidelines
7. Provide and plan appropriate nursing/midwifery care for mothers and children as measured.

8. Demonstrate respect, safety, holism, and partnership to the mothers, children, family, and communities with regard to Women-/Family-Centered Care
9. Advocate for vulnerable mothers, children, families and communities

Admission Criteria

1. Applicant with a BSc Midwifery, BSc Nursing degree or BSc Nursing Management with a GPA of at least 2.7 and a minimum pass of B in midwifery in their undergraduate degree.
2. Each applicant must satisfy all the general requirements set out under the regulations for a Master degree of this University. These regulations are listed in the University Prospectus.

Programme structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
MW 611	Applied Basic Science for Advanced Midwifery	16.4
MW 612	Advance Midwifery practice I	25
ER 600	Epidemiology Biostatistics I	18
NS 613	Bioethics	04
SR 614	Research Seminar 1	3.6
Total for Semester 1		63

Semester 2

MW 621	Advance Midwifery practice II	25
MW 622	Reproductive Health and Maternal Child Health	22.4
NR600	Research Methodology I	12
SR624	Research Seminar II	3.6
Total for Semester 2		63
Total for Year 1		126

Year 2

Semester 1

The following core courses		
MW 711	Advanced Midwifery Practice III	33.4
NR 601	Research Methodology II	12
NS 713	Administration of Nursing and Health Services	14

SR 714	Research Seminar III	3.6
Total for Semester 1		63.6

Semester 2

NS 721	Dissertation	59.4
SR722	Research Seminar IV	3.6
Total for Semester 2		63
Total for the Programme		252

Assessment mode and Award

Courses are assessed through continuous assessment and final university examination. Continuous assessment comprises of tests; assignments, fieldwork, practical, seminar presentations and long papers, clinical work or a combination of these depending on the nature of the course.

Coursework shall contribute 50% of the course mark and the final assessment exercise shall contribute 50% of the course mark. The pass mark for each course is 50%. The pass mark for the examinations in the Master of Science in Midwifery shall be 50%. (B grade) and the degree shall be classified.

The Master of Science in Midwifery will be awarded to a candidate upon successful completion of 252 credits that consists of 192.6 credits of coursework and 59.4 credits of dissertation.

4.7.1.5 Master of Science in Public Health (MSc PH)

Programme Specification

The Master of Science in Public Health (MSc PH) is an advanced professional degree offered by the School of Nursing and Public Health at the College of Health Sciences in the University of Dodoma. It is designed to prepare specialists who are highly competent and able to lead careers in public health program management, research, consultancies and teaching. Through this program students will be exposed to advanced knowledge in public health, basic sciences and clinical sciences, essential in acquiring global, multifaceted visions and skills for disease prevention and health promotion as well as behavioural change and social marketing. This program emphasizes active, student-directed learning, problem solving, and the acquisition of skills essential to the practice of public health. It enables the student to function as

an educator, manager, administrator and researcher in the field of Public Health. In addition our Public Health graduates are competent in designing and implementing ethical research studies, advanced clinical/population focused data analysis and dissemination of findings addressing health problems of epidemiological significance. The duration of the programme is 24 months under a full time mode.

Programme Learning Outcomes

After completion of the program, the graduate is expected to be able to:

- (i) Understand the determinants of health and disease.
- (ii) Estimate the burden and patterns of disease in communities in order to prioritize health needs.
- (iii) Use systematic approaches to develop, implement, and evaluate public health policies, programs, or services.
- (iv) Communicate effectively to promote the health of all members of our communities, especially the disadvantaged, underserved, and vulnerable.
- (v) Demonstrate the ability to access and use data to identify and solve public health problems.
- (vi) Demonstrate the ability to work independently and as part of a team, and identify effective leadership qualities and practices.
- (vii) Make decisions that reflect ethical frameworks and respect for the values, beliefs, and practices within diverse communities and cultures.
- (viii) Demonstrate professional knowledge and skills for effective practice in a selected field of study.
- (ix) Demonstrate skills in program and budget management that can be used to design and implement health programs in low and middle-income country settings.
- (x) Apply a multidisciplinary approach to analyze health systems and institutions involved in financing and providing preventative and curative health services at the multilateral, bilateral, national and community levels in low and middle-income countries.
- (xi) Integrate information and apply models from epidemiologic, economic, behavioural, and cultural perspectives to promote social changes required to improve the health of populations.

Admission Criteria

Applicants with

1. A possession of the MD, DDS, BSc N, BSc MW, B. Pharm, BMLS, BSc EHS and BSc Nutrition from this university or any other recognized university may apply for this program, those with classified degrees must have obtained at least a lower second class.
2. Any other graduates of this or any other recognized University with at least an upper second class in their final University examinations in health related fields such as sociology, nutrition, health statistics, demography, biology, food sciences, veterinary sciences and health information sciences.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
ER 600	Epidemiology and Biostatistics I	18
NP 611	Critical Issues in Public Health	09
NP 612	Health System Management I	12.3
NP 613	Health Promotion and Diseases Prevention	8.3
NP 614	Sociology of Health and Diseases	11.8
SR 614	Research Seminar	3.6
Total for Semester 1		63

Semester 2

NR600	Research Methodology I	12
SR624	Senior Research Seminar	3.6
NP 622	Environmental and Occupational Health	19
NP 623	Health System Management II	18
Total for Semester 2		63
Total for Year 1		126

Year 2

Semester 1

NS 713	Administration, Leadership and Management of Health Services	06
NR 712	Research Methodology II	21.4
SR 714	Senior Research Seminar	3.6
Electives		24
Total Semester 1, Year 2		55

Elective courses (Specility)

NP 711	Advanced Epidemiology	24
NP 715	Advanced Biostatistics	24
NP 716	Reproductive and Child Health	24
NP 717	Community Health	24
NP 718	Nutrition and Food Safety	24
NP 719	Environmental and Occupational Health	24

Semester 2

NP721	Field Site Placement	19.4
	Dissertation	40
SR722	Senior Research Seminar	3.6
Total for Semester 2		63
Total for the Programme		244

Assessment mode and Award

The academic year is the basic academic audit unit, the Master of Science in Public Health is a 4-semester program. There shall be at least two continuous assessment examinations for each course taught in each semester. The continuous assessment examinations shall contribute 50% of the final grade. All courses offered during a semester shall be examined at the end of that semester where external examiners or moderators shall be invited. The pass mark for the examinations in the Master of Public Health degree shall be 50% (B grade) and the degree shall be classified

The Master of Science in Public Health will be awarded to a candidate upon successful completion of 244 credits that consists of 204 credits of coursework and 40 credits of dissertation.

4.7.1.6 PhD by Research (Thesis) only

The School of Nursing offers PhD by research only in a wide range of nursing specialty including but not limited to Medical-Surgical nursing, Midwifery, Pediatrics & Neonatology, Nursing Education and Mental Health Nursing. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations* of the University of Dodoma.

4.7.2 School of Medicine and Dentistry

The School of Medicine and Dentistry offers the following postgraduate programmes:

- 1) Master of Medicine in Surgery;
- 2) Master of Medicine in Internal Medicine;
- 3) Master of Medicine in Obstetrics and Gynaecology;
- 4) Master of Medicine in Microbiology and Immunology;
- 5) Master of Medicine in Paediatrics and Child Health;
- 6) Master of Medicine in Pathology, and;
- 7) PhD in the related areas.

4.7.2.1 Master of Medicine in Surgery

Programme Specification

Master of Medicine programme in General Surgery aims at transforming general medical practitioners usually holders of Doctor of Medicine (MD) or Bachelor of Medicine and Bachelor of Surgery (MBBS) into medical specialists who are competent in management of common surgical conditions. Specialists from the MMed programme in Surgery are capable of managing patients at all levels of health provision centres from District hospitals to Referral hospitals. According to Ministry of Health and Social welfare (MoHSW) guidelines, each District, and Regional referral hospitals should have at least one, and two general surgeons respectively, a dream which is yet to be realized. UDOM provides an opportunity to train these specialists who will serve in different hospitals. The Master of Medicine in Surgery is a three years programme which is organized into six semesters (36 months) in a full time mode.

Programme Learning Outcomes

At the end of the programme, the graduate (the specialist) will be able to:-

- i) Integrate applied advanced sciences and knowledge with clinical reasoning in general surgery;
- ii) Demonstrate and apply principles of scientific research methods in surgical clinical research;
- iii) Train and supervise general surgery to health professionals at all levels;
- iv) Demonstrate appropriate and sound professionalism in all aspects of patients care and serve a role model to junior health professionals;

- v) Utilize information and computer technology to facilitate evidence based surgical care, learning, research, and administration;
- vi) Understand and demonstrate sound surgical knowledge on diseases and conditions which need surgical intervention in Tanzania, Africa and in the world;
- vii) Utilize and apply acquired knowledge to make critical decisions and provide evidence based care to all patients needing surgical intervention;
- viii) Develop, acquire and utilize important and appropriate surgical skills in all aspects of surgical care;
- ix) Initiate, plan, execute and disseminate clinical research findings.
- x) Pursue, develop and utilize the lifelong learning culture, self audit, and peer review processes to further develop and increase professional skills and promote the development of the profession as a whole;
- xi) Promote good health practices and prevent common preventable surgical conditions, and;
- xii) Apply managerial and leadership skills in management of surgical health service provision.

Admission Criteria

Applicants into the Master of Medicine programme in Surgery must be holders of a first degree in Medicine, or Doctor of Dental Surgery from the University of Dodoma or any other recognized University. Applicants must have a B grade in Surgery at undergraduate level.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
AN 611	Applied Surgical Anatomy	34
PH 612	Applied Medical Physiology	8
MP 613	Applied Medical Pathology	12
EE 614	Bioethics and Research Methodology	10
ER 615	Biostatistics, Epidemiology and ICT	12
Total for Semester 1		76

Semester 2

The following core courses

SU 621	Principles of General Surgery	24
SU 622	Gastroenterology	42.4

ML 623	Management, Leadership and Entrepreneurship	7.6
Total for Semester 2		74

Year 2

Semester 1

The following core courses

SU 711	Thoracic and Neck Surgery	30
SU 712	Principles of plastic Surgery	15
SU 713	Urology Surgery	30
SU 799	Dissertation: Proposal Development and Ethical Clearance	

Total for Semester 1	75
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Semester 2

The following core courses

SU 721	Orthopedics and Traumatology	40
SU 722	Principles of Neurosurgery	40
SU 799	Dissertation: Data Collection	

Total for Semester 2	80
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Year 3

Semester 1

The following core courses

SU 811	Otorhinolaryngology	30
SU 812	Principles of Paediatric Surgery	30
SU 813	Principles of Obstetrics and Gynaecology	15
SU 799	Dissertation: Data analysis and report writing	

Total for Semester 1	75
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Semester 2

SU 821	Anesthesiology and Critical care	35
SU 822	Current issues in Surgery	35

Total for Semester 2	70
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SU 799: Dissertation – Submission and Oral Defence	40
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Total for the Programme	490
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Assessment mode and Award

There shall be continuous assessment tests which shall include a minimum of two written tests with a logbook. The contribution of the continuous assessment tests shall be 50% and the logbook 50%. There shall be an end of semester university examination, which shall be made of written paper (50%), clinical examination (40-50%), and or oral examination (0-10%). The

contribution of the end of semester examination to the final mark shall be 50%.

Specific Examination Regulations for MMED Programme

- a) The MMED programme in Surgery is a 6 semester programme and the maximum tenure for the MMED degree shall be 8 semesters;
- b) All courses offered during a semester shall be examined at the end of the module or modular course or rotation. External examiners or moderators shall be invited at the end of the semester or audit year;
- c) There shall be at least two Continuous Assessment Tests (CAT) for each course taught during Semester One of Year One (Applied Sciences), and at least one CAT in each course in the subsequent semesters (clinical);
- d) CATs after Semester One of Year One (applied sciences), shall consist of only written paper, while in subsequent semesters (clinical), it shall consist of written paper and/or clinical examination;
- e) In addition, there shall be a logbook, in which a student shall document all procedures, and presentation he/she has attended, the logbook shall be evaluated at the end of the semester and marked out 100 score;
- f) The CAT and logbook shall contribute 50% each to the end of semester examination;
- g) The end of semester examination shall consist of written, clinical examination, and or oral examination. The contribution shall be 50%, 40-50%, and 0-10%, respectively;
- h) Other examinations regulations are as stipulated in UDOM Higher Degrees regulation Handbook;

The Master of Medicine in Surgery degree will be awarded to a candidate upon successful completion of 490 credits that consists of 450 credits of coursework and 40 credits of dissertation.

4.7.2.2 Master of Medicine in Internal Medicine

Programme Specification

Master of Medicine programme in Internal Medicine aims at transforming general medical practitioners usually holders of Doctor of Medicine (MD) or Bachelor of Medicine and Bachelor of Surgery (MBBS) into medical specialists who are competent in management of common Medical conditions.

Specialists from the MMED programme in Internal Medicine are capable of managing patients at all levels of health provision, from District hospitals to referral hospitals. According to the Tanzanian Ministry of Health and Social welfare (MoHSW) guidelines, each Regional referral hospitals should have at least one Physician which still prove difficult to realize due the critical shortage of medical specialists, including Physicians. It is intended that this programme will help in narrowing the existing gap between the need at different health delivery points and what is current existing situation. Duration and the modus operand for the Master of Medicine programme are the same as those for the Master of Medicine in Surgery programme described above.

Programme Learning Outcomes

At the end of the MMED in Internal Medicine programme, the graduate (the specialist) will be able to:-

- i) Integrate applied biomedical sciences knowledge on analytical clinical decision making in medical care.
- ii) Demonstrate interpersonal and communication skills that facilitate effective information exchange with the patients, patients' relatives and professional associates.
- iii) Carry out professional responsibility adhering to ethical principles, integrity, respect, compassion and responsiveness to the needs of patient and society that supersedes self-interest.
- iv) Locate, appraise, assimilate and share medical evidence-based methods and practices that facilitate patients' investigation, treatment, follow-up and prognostication.
- v) Apply principles of scientific research methods in planning, mobilizing resources and executing clinical research that are relevant to the needs of the dynamic medical practice.
- vi) Train and supervise fellow professionals and associates at various levels of medical practice on different competencies needed for effective medical practice.
- vii) Demonstrate, share and disseminate sound and concrete knowledge on various medical diseases and conditions that need attention in their local settings, nationally, regionally and globally.
- viii) Design and facilitate implementation of guidelines, checklists and flow charts aiming at management of the common medical diseases and conditions prevalent in their settings.
- ix) Pursue, develop and utilize the lifelong learning culture, self audit, and peer review processes to design, share and implement strategies to continually improve the quality of care to patients.

- x) Undertake health promotion and prevention strategies in various medical conditions.
- xi) Be a team leader and active role player in designing, implementing and evaluating various medical projects, programmes and activities.
- xii) Apply managerial and entrepreneurship skills in managing health facilities and personnel.

Admission Criteria

A holder of Doctor of Medicine (MD) and/or Bachelor of Medicine and Bachelor of Surgery (MBBS) degrees from any accredited university, with a B grade in Obstetrics/Gynaecology at an undergraduate level and who complies with other regulations as may be defined.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
PH 612	Applied Medical Physiology	8
EE 614	Bioethics and Research Methodology	10
ER 615	Biostatistics, Epidemiology and ICT	12
MI 616	Applied Medical Microbiology & Immunology	12
BC 617	Applied Medical Biochemistry	14
CP 618	Applied Clinical Pharmacology	20
Total for Semester 1		76

Semester 2

The following core courses

IM 621	Infectious diseases	26.4
IM 622	Cardiology	20
ML 623	Management Leadership and Entrepreneurship	7.6
IM 624	Pulmonology	20
Total for Semester 2		74

Year 2

Semester 1

The following core courses

IM 711	Dermatology	30
IM 712	Nutrition and Metabolic diseases	20
IM 713	Oncology and Hematology	25
IM 799	Dissertation I: Proposal Development and Ethical Clearance	

Total for Semester 1	75
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Semester 2

The following core courses

IM 721	Rheumatology	25
IM 722	Gastroenterology	25
IM 723	Neurology	30
IM 799	Dissertation II: Data Collection	

Total for Semester 2	80
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Year 3

Semester 1

The following core courses

IM 811	Nephrology	35
IM 812	Endocrinology	35
IM 799	Dissertation III: Data analysis and report writing	

Total for Semester 1	70
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Semester 2

IM 821	Geriatrics	25
IM 822	Psychiatry	25
IM 824	Paediatrics	25

Total for Semester 2	75
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IM 799: Dissertation IV: Submission and defence 40

Total for the Programme	490
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Assessment mode and Award

There shall be continuous assessment tests which shall include a minimum of two written tests with a logbook. The contribution of the continuous assessment tests shall be 50% and the logbook 50%. There shall be an end of semester university examination, which shall be made of written paper (50%), clinical examination (40-50%), and or oral examination (0-10%). The contribution of the end of semester examination to the final mark shall be 50%.

The Master of Medicine in Internal Medicine degree will be awarded to a candidate upon successful completion of 490 credits that consists of 450 credits of coursework and 40 credits of dissertation

Examination Regulations

Examination regulations for the Master of Medicine programme are the same as those for the Master of Medicine in Surgery programme.

4.7.2.3 Master of Medicine in Obstetrics and Gynaecology

Programme Specification

Master of Medicine programme in Obstetrics and Gynaecology aims at transforming general medical practitioners usually holders of Doctor of Medicine (MD) or Bachelor of Medicine and Bachelor of Surgery (MBBS) into medical specialists who are competent in management of common Obstetrics and Gynaecological conditions.

Specialists from the MMed programme in Obstetrics and Gynaecology are capable of managing patients at all levels of health provision, from District hospitals to referral hospitals. According to the Tanzanian Ministry of Health and Social welfare (MoHSW) guidelines, each Regional referral hospital should have at least one, Obstetrician/Gynaecologist which still prove difficult to realize due the critical shortage of medical specialists, including Obstetricians/Gynaecologists. It is intended that, this programme will help in narrowing the existing gap between the need at different health delivery points and what is current existing situation.

Like the MMED in Internal Medicine programme, the MMED programme in Obstetrics and Gynaecology has the same duration and operational procedure similar to those of the MMED in Surgery degree programme.

Programme Learning Outcomes

At the end of the MMED in Obstetrics/Gynaecology programme, the graduate (the specialist) will be able to:-

- (i) Integrate applied biomedical sciences knowledge on analytical clinical decision making on women health;
- (ii) Use interpersonal and communication skills to facilitate effective information exchange with patients, patients' relatives and professional associates aiming at optimizing the Obstetrics/Gynaecology practice;
- (iii) Carry out professional responsibility by adhering to ethical principles, integrity, respect, compassion and responsiveness to the needs of the obstetrics/gynaecology practice, patient and society that supersedes self-interest;
- (iv) Locate, appraise, assimilate and share Obstetrics/Gynaecology evidence-based methods and practices that facilitate patients' investigation, treatment, follow-up and prognostication;

- (v) Apply principles of scientific research methods in planning, mobilizing resources and executing clinical research that are relevant to the needs of the dynamic Obstetrics/Gynaecology practice;
- (vi) Train and supervise fellow professionals and associates at various levels of medical practice on different competencies needed for effective Obstetrics/Gynaecology practice;
- (vii) Demonstrate, share and disseminate sound and concrete knowledge on various Obstetrics/Gynaecology diseases and conditions that need attention in their local settings, nationally, regionally and globally;
- (viii) Design and facilitate implementation of guidelines, checklists and flow charts aiming at management of the common Obstetrics/Gynaecology diseases and conditions prevalent in their settings;
- (ix) Utilize essential and fundamental surgical skills in various Obstetrics/Gynaecological surgical practices;
- (x) Pursue, develop and utilize the lifelong learning culture, self audit, and peer review processes to design, share and implement strategies to continually improve the quality of care offered to Obstetrics/Gynaecology patients;
- (xi) Advocate for various Obstetrics/Gynaecology Health promotion and preventing strategies that aim at comprehensive and sustainable patient care;
- (xii) Be a team leader and active role player in designing, implementing and evaluating various Obstetrics/Gynaecology projects, programmes and activities;
- (xiii) Provide quality patient centered-care that is compassionate, appropriate and cost-effective within the available resource capacities.

Admission Criteria

A holder of Doctor of Medicine (MD) and/or Bachelor of Medicine and Bachelor of Surgery (MBBS) degrees from any accredited university, with a B grade in Obstetrics/Gynaecology at an undergraduate level and who complies with other regulations as may be defined. Such applicants must have at least one year experience of working at any hospital.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
OG 611	Applied Obstetric Anatomy	22
PH 612	Applied Medical Physiology	8
MP 613	Applied Medical Pathology	12
EE 614	Bioethics and Research Methodology	10
ER 615	Biostatistics, Epidemiology and ICT	12
MI 616	Applied Medical Microbiology and Immunology	12
Total for Semester 1		76

Semester 2

The following core courses

OG 621	Gynaecology Fundamentals	36.4
OG 622	Obstetric Fundamentals	30
ML 623	Management, Leadership and Entrepreneurship	7.6
Total for Semester 2		74

Year 2

Semester 1

OG 711	Gynaecological oncology	30
OG 712	Maternal-Fetal medicine(MFM)	40
OG 799	Dissertation I: Proposal Development and Ethical Clearance	
Total for Semester 1		70

Semester 2

The following core courses

OG 721	Reproductive Endocrinology and Infertility(REI)	30
OG 722	Community and Preventive Obstetrics	25
OG 723	Urogynaecology	25
OG 799	Dissertation II: Data Collection	
Total for Semester 2		80

Year 3

Semester 1

The following core courses

OG 811	Operative Obstetrics and Gynaecology	50
OG 812	Imaging in Obstetrics and Gynaecology practice	25
OG 799	Dissertation III: Data analysis and report writing	
Total for Semester 1		75

Semester 2

OG 821	Current issues in Obstetrics and Gynaecology	45
OG 822	Fundamentals of Surgical Practice	30
Total for Semester 2		75
OG 799: Dissertation IV: Submission and Defense		40
Total for the Programme		490

Assessment mode and Award

There shall be continuous assessment tests which shall include a minimum of two written tests with a logbook. The contribution of the continuous assessment tests shall be 50% and the logbook 50%. There shall be an end of semester university examination, which shall be made of written paper (50%), clinical examination (40-50%), and or oral examination (0-10%). The contribution of the end of semester examination to the final mark shall be 50%.

The Master of Medicine programme in Obstetrics and Gynaecology will be awarded to a candidate upon successful completion of 490 credits that consists of 450 credits of coursework and 40 credits of dissertation.

Examination Regulations

Examination regulations for the Master in Obstetrics and Gynaecology programme are the same as those for the Master of Medicine in Surgery programme.

4.7.2.4 Master of Medicine in Microbiology and Immunology**Programme Specification**

Medical Microbiology is the study of micro-organisms that cause infections in human beings. Immunology is the study of the structure and function of the immune system and the complex series of events that generate protective responses to the host. The study of Microbiology and Immunology in relation to infectious diseases has contributed significantly to the establishment of a strong foundation of the modern scientific medicine. The course in Medical Microbiology and Immunology includes Bacteriology, Mycology, Virology, Immunology and Cell and Molecular Biology with major emphasis on their role in the management, control and prevention of human diseases. During the first semester, students will also be taught Epidemiology, Biostatistics and

Research Methodology, Cell and Molecular Biology, General Principles of Pathology, Bioethics and Parasitology/Medical Entomology.

The duration and mode of operation for the Master of Medicine programme in Microbiology and Immunology are the same as those for other MMed programmes offered by the School of Medicine and Dentistry.

Programme Learning Outcomes

At the end of this programme, students should be able to:

- i) Utilize and apply acquired knowledge to make critical decisions in the laboratory and in the community at large;
- ii) Collect, transport, store and process appropriate specimens for Microbiological and immunological investigations;
- iii) Perform various laboratory investigations used in disease diagnosis and research in Microbiology and Immunology;
- iv) Investigate pathogens of public health importance;
- v) Manage a laboratory, lead and teach others;
- vi) Design, conduct and disseminate research findings;
- vii) Assess community microbiological needs and recommend appropriate interventions;
- viii) Demonstrate high level of professional and ethical standards;
- ix) Plan and Initiate entrepreneurship activities.

Admission Criteria

A holder of Doctor of Medicine (MD) and/or Bachelor of Medicine and Bachelor of Surgery (MBBS) degrees from any accredited university, with a B grade in Microbiology and Immunology at an undergraduate level and who complies with other regulations as may be defined.

Programme Structure

Year 1

Semester 1

Code Courses

Credits

The following core courses

BM 611	Cell and Molecular Biology	10
MM 612	Microbiology I: Immunology	20
MP 613	Applied Medical Pathology	12
EE 614	Bioethics and Research Methodology	10
ER 615	Biostatistics, Epidemiology and ICT	12

MM 616	Applied Medical Parastitology and Entomology	12
Total for Semester 1		76

Semester 2

The following core courses

MM 621	Microbiology II: General Bacteriology	62.4
ML 623	Management Leadership and Entrepreneurship	7.6
Total for Semester 2		70

Year 2

Semester 1

The following core courses

MM 711	Microbiology III: Virology and Laboratory Practice I	76
MM 799	Dissertation I: Proposal Development	
Total for Semester 1		76

Semester 2

The following core courses

MM 721	Microbiology IV: Laboratory Practice II	74
MM 799	Dissertation II: Data Collection	
Total for Semester 2		74

Year 3

Semester 1

The following core courses

MM 811	Microbiology V: Laboratory Practice III	76
SU 799	Dissertation III: Data analysis and report writing	
Total for Semester 1		76

Semester 2

MM 821	Microbiology VI: Infectious Diseases Attachment	40
MM 822	Microbiology VII: Laboratory Practice IV	35
Total for Semester 2		75
MM 799: Dissertation IV: Submission		40
Total for the Programme		487

Assessment mode and Award

There shall be continuous assessment tests which shall include a minimum of two written tests with a logbook. The contribution of the continuous assessment tests shall be 50% and the logbook 50%. There shall be an end of semester university examination, which shall be made of written paper (50%), clinical examination (40-50%), and or oral examination (0-10%). The

contribution of the end of semester examination to the final mark shall be 50%.

The Master of Medicine in Microbiology and Immunology will be awarded to a candidate upon successful completion of 487 credits that consists of 447 credits of coursework and 40 credits of dissertation.

Examination Regulations

Examination regulations for the Master in Microbiology and Immunology programme are the same as those for other MMed programmes offered by the School.

4.7.2.5 Master of Medicine in Paediatrics and Child Health

Programme Specification

The Master of Medicine programme in Paediatrics and Child Health aims at producing medical specialists in Paediatrics and Child Health (Paediatricians) who are competent in the management of common and complicated medical conditions in neonates, children and adolescents.

Specialists from this programme will be capable of managing patients at higher levels of health provision points, from regional hospitals to referral hospitals and National Hospitals. According to the Tanzania Ministry of Health and Social Welfare (MoHSW) policy, each regional referral hospital should have at least one Paediatrician, though this vision has been difficult to realize due to the critical shortage of medical staff. MMed Paediatrics and Child Health is a three years (36) programme by coursework, clinical work and dissertation.

Programme Learning Outcomes

Upon completion of training, a resident is expected to be able to:

- i) Take a role of specialist and consultant in all diseases that affect children and neonates.
- ii) Be a Perform a comprehensive and appropriate assessment of a Paediatric patient as expected of a specialist in the field of Pediatrics and child health.
- iii) Have acquired a working knowledge of the theoretical basis of the specialty, including its foundations in the basic medical sciences and research.

- iv) Be prepared for independent practice capable of assuming a consultant's role in the specialty.
- v) Be competent in the emergency and continued care of childhood illnesses including Paediatric Emergency Medicine, Neonatology, Developmental and General Paediatrics.
- vi) Be able to evaluate, investigate, diagnose, manage and identify when to refer as appropriate.
- vii) Demonstrate competent, rational and appropriate use of procedural skills, both diagnostic and therapeutic in relation to available resources.
- viii) Use preventive and therapeutic interventions effectively
- ix) Interpret mechanisms of action of drugs in relation to their ability to correct a pathophysiologic state and institute rational use of drugs.
- x) Manage sick children with systemic diseases at specialist level: nervous system, gastrointestinal, hepatic and biliary systems, endocrinology and metabolism, renal and genitourinary system, haematology and oncology, infectious diseases, neonatal – perinatal medicine, genetic disorders, nutrition, respiratory system, skin/dermatology/allergy/immunology, cardiovascular system, musculo-skeletal system, Ear Nose and Throat and ophthalmology.
- xi) Be able to design, conduct and publish research findings in their areas of specialty.
- xii) Be able to identify and undertake super-specialty training in subspecialties in Paediatrics and child health.

Admission Criteria

A holder of Doctor of Medicine (MD) and/or Bachelor of Medicine and Bachelor of Surgery (MBBS) degrees from any accredited university, with a B grade or higher in Paediatrics at an undergraduate level and who complies with other regulations as may be defined by Senate.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
PH 612	Applied Medical Physiology	6
EE 614	Bioethics and Research Methods	10
ER 615	Biostatistics, Epidemiology and ICT	12
MI 616	Applied Medical Microbiology and Immunology	8

BC 617	Applied Medical Biochemistry	10
CP 618	Applied Clinical Pharmacology	16
B 619	Applied Embryology	8
Total for Semester 1		70

Semester 2

The following core courses

PD 621	General Paediatrics	18
PD 622	Preventive Paediatrics	12
PD 623	Neonatology	18
PD 624	Emergencies in Childhood	12
Total for Semester 2		60
Total for Year 1		130

Year 2

Semester 1

The following core courses

PD 711	Developmental Paediatrics	10
PD 712	Nutrition and Malnutrition	15
PD 713	The Nervous System	20
PD 714	The Respiratory System	15
Dissertation I: Proposal development		-
Total for Semester 1		60

Semester 2

The following core courses

PD 721	Cardiovascular System	20
PD 722	Diseases of the Blood	20
PD 723	Paediatric Oncology	20
Dissertation II: Data Collection		-
Total for Semester 2		60
Total for Year 2		120

Year 3

Semester 1

The following core courses

PD 811	The Digestive System	20
PD 813	Nephrology	15
PD 814	Endocrine System	15
PD 815	Pediatric Dermatology	10
Dissertation III: Data analysis and report writing		0
Total for Semester 1		60

Semester 2

PD 821	The Immune System	10
PD 822	Infectious Diseases and Tropical Paediatrics	20
PD 699	Dissertation IV: Submission and defense	40
Total for Semester 2		70
Total for Year 3		130
Total for the Programme		380

Assessment mode and Award

There shall be continuous assessment tests which shall include a minimum of two written tests with a logbook. The contribution of the continuous assessment tests shall be 50% and the logbook 50%. There shall be an end of semester university examination, which shall be made of written paper (50%), clinical examination (40-50%), and or oral examination (0-10%). The contribution of the end of semester examination to the final mark shall be 50%.

The Master of Medicine in Paediatrics and Child Health of the University of Dodoma will be awarded to a candidate upon successful completion of 380 credits that consists of 340 credits of coursework and 40 credits of dissertation.

Examination Regulations

Examination regulations for the Master in Paediatrics and Child Health are the same as those for other MMED programmes offered by the School of Medicine and Dentistry.

4.7.2.6 Master of Medicine in Pathology

Programme Specification

The Master of Medicine programme in Pathology is taught in very few Universities in East Africa, in Tanzania, it is taught at Muhimbili University of Health and Allied Sciences (MUHAS). This fact, has led to shortage of pathologists not only in teaching universities like UDOM, but also in hospitals and research centers. The MMED Pathology programme has been designed to train qualified medical officers to become Histopathologists capable of doing diagnostic histopathology work and autopsy for both medical and forensic use.

The Master of Medicine programme in Pathology is a three years(36) programme, which is organized into six semesters.

Programme Learning Outcomes

At the end of this programme students should be able to:

- i) Utilize and apply acquired knowledge to make critical decisions in the laboratory and in the community at large.
- ii) Provide diagnostic histopathological and cytological services to the public.
- iii) Perform medical autopsies to contribute to medical knowledge, quality assurance and medical education.
- iv) Design, conduct and implement intervention programmes for preventable medical conditions.
- v) Perform forensic autopsies to serve society and contribute to public services.
- vi) Manage a laboratory, lead and teach others
- vii) Design, conduct and disseminate research findings.
- viii) Plan, budget for, set up, and manage resources and facilities in hospital laboratories.
- ix) Demonstrate high level of professional and ethical standards
- x) Plan and initiate Entrepreneurship activities.

Admission Criteria

A holder of Doctor of Medicine (MD) and/or Bachelor of Medicine and Bachelor of Surgery (MBBS) degrees from any accredited university, with a B grade in Pathology at an undergraduate level and who complies with other regulations as may be defined.

Programme Structure

Year 1

Semester 1

Code	Courses	Credits
The following core courses		
BM 611	Cell and Molecular Biology	6
AP 612	Principles of Pathology	10
AP 613	Haematology	10
EE 614	Bioethics and Research Methodology	10
ER 615	Biostatistics, Epidemiology and ICT	12
MI 616	Applied Medical Microbiology and Immunology	12
Total for Semester 1		60

Semester 2

The following core courses

AP 621	Surgical Pathology I	30
AP 622	Laboratory Methods and Cancer Registry	22
ML 623	Management, Leadership and Entrepreneurship	8
Total for Semester 2		60
Total for Year 1		120

Year 2***Semester 1***

The following core courses

AP 711	Surgical Pathology II	30
AP 712	Cytopathology	30
Dissertation I:Proposal development		-
Total for Semester 1		60

Semester 2

The following core courses

AP 721	Forensic pathology: Medico – legal and Clinical autopsies	60
Dissertation II: Data Collection and Analysis		-
Total for Semester 2		60
Total for Year 2		120

Year 3***Semester 1***

The following core courses

AP 811	Junior pathology practice	60
Dissertation III: Report writing		0
Total for Semester 1		60

Semester 2

AP 821	Senior pathology practice	40
AP 799	Dissertation IV: Submission and defense	40
Total for Semester 2		80
Total for Year 3		140
Total for the Programme		380

Assessment mode and Award

There shall be continuous assessment tests which shall include a minimum of two written tests with a logbook. The contribution of the continuous assessment tests shall be 50% and the logbook 50%. There shall be an end of

semester university examination, which shall be made of written paper (50%), clinical examination (40-50%), and or oral examination (0-10%). The contribution of the end of semester examination to the final mark shall be 50%.

The Master of Medicine in Pathology will be awarded to a candidate upon successful completion of 380 credits that consists of 340 credits of coursework and 40 credits of dissertation.

Examination Regulations

Examination regulations for the Master in Pathology programme are the same as those for other MMed programmes offered by the School of Medicine and Dentistry.

4.7.2.7 PhD Programme

The School of Medicine offers PhD degree programme in addition to the master degree programmes presented above. The PhD programme covers the full range of health science disciplines like Clinical Nutrition, Medical Sociology, Human Nutrition, Pharmacology, etc. The application procedure, assessment and award are as stipulated in the *Higher Degrees Regulations* of the University of Dodoma.

5.0 GUIDELINES ON PAYMENT OF GRADUATE FEES

The following pages give detailed information on the fee structure for different graduate programmes. The modalities of fees payments are also explained.

5.1 Fee Structure for Graduate Programmes

The fees detailed hereunder are valid for the academic year 2016/2017. Amount of fees payable for graduate programmes and the modalities of payment to the University are indicated below. However, the University reserves the right to change fees structure without notice.

Please note that, Master degree programmes have been arranged in groups as shown in the Table below.

A: GROUPS OF MASTER DEGREE PROGRAMMES

Group	Duration (Months)	Degree Programmes
A	18	Full-time MAED, Full-time MBA, Full-time MA Economics, Full-time MPA, Full-time MIR, Full-time MA DS, Full-time MASO, Full-time MA Demo, Full-time MA Linguistics, Full-time MA Kiswahili Literature, Full-time MA in Theatre & Film for Development
	24	Full-time MSc Accounting &Finance, Full-time MSc Maths, Full-time MSc Stat, Full-time MSc MHN, Full-time MSc NE, Full-time MSc Midwifery, Full-time MSc PN, Full-time MSc PH, Full-time MSc BC and Full-time MSc NRM all Full-time MA programmes by Research alone
B	18	Evening MA DS, Evening MPA, MAED Evening MAED, Evening MBA, Evening, MSc Accounting & Finance, Evening MIR, Evening MASO
	24	Evening MAED, Evening MBA, Evening, MSc Accounting & Finance, and all other evening programmes in Group A with similar duration
C	24	Executive MBA and Other Executive MA programmes
D	24	Fulltime MSc CS, Fulltime MSc TE, Fulltime MSc IT, Fulltime MSc IS, Full-time MSc ME, Full-time MSc GS, Full-time MSc. Chem, Full-time MSc Phys, all Full-time MSc Programmes by Research Only
E	24	Evening MSc CS, Evening MSc TE, Evening MSc IT, Evening MSc IS
F	36	MMED Programmes under the College of Health Sciences

5.2 Amount of fees for each group

The amount of fees payable for graduate programmes and the modalities of payment to the University are indicated below:

A1: DIRECT UNIVERSITY COSTS FOR PGDE AND MASTER DEGREES

Programme Category	YEAR 1		YEAR 2 (6 MONTHS)		YEAR 2 (12 MONTHS)	
	Local (TAS)	Foreign (US \$)	Local (TAS)	Foreign (US \$)	Local (TAS)	Foreign (US \$)
Fulltime Postgraduate Diploma	2,515,000	2,515	-	-	-	-
Evening Postgraduate Diploma	3,315,000	3,315	-	-	-	-
Group A	2,420,000	2,420	2,000,000	2,000	3,000,000	3,000
Group B	2,820,000	2,820	2,400,000	2,400	3,800,000	3,800
Group C	4,120,000	4,120	3,200,000	3,200	5,400,000	5,400
Group D	3,520,000	3,520	3,000,000	3,000	5,000,000	5,000
Group E	4,220,000	4,220	3,500,000	3,500	6,000,000	6,000
Group F	6,320,000	6,320	5,000,000	5,000	6,600,000	6,600

A2: DIRECT UNIVERSITY COSTS FOR PHD PROGRAMME

PhD Category	YEAR 1		YEAR 2 & 3		FINAL YEAR	
	Local (TAS)	Foreign (US \$)	Local (TAS)	Foreign (US \$)	Local (TAS)	Foreign (US \$)
Cluster 1 (Programmes in Social Sciences, Humanities and Education)	3,575,000	3,575	3,500,000	3,500	3,345,000	3,345
Cluster 2 (All research activities in fields of Natural and Pure Sciences)	4,675,000	4,675	4,300,000	4,300	4,345,000	4,345

A3: DIRECT STUDENT COSTS/ALLOWANCE FOR POSTGRADUATE DIPLOMA PROGRAMMES

COST ITEM	YEAR 1	
	Local (TAS)	Foreign (US \$)
Books and Stationary	600,000	600
Stipend (Accommodation and Meals)	5,400,000	5,400
Independent study/Practical Training/ Project paper	500,000	500
Settling allowance	150,000	150
TOTAL	6,650,000	6,650
Accommodation costs at the UDOM Hostel	980,000	980

A4: DIRECT STUDENT COSTS/ALLOWANCE FOR MASTER DEGREES' STUDENTS

COST ITEM	YEAR 1		YEAR 2	
	Local (TAS)	Foreign (US \$)	Local (TAS)	Foreign (US \$)
Books and Stationary	700,000	700	700,000	700
Stipend (Accommodation and Meals)	5,400,000	5,400	5,400,000	5,400
Independent study/Practical Training/ Project paper	500,000	500	500,000	500
Settling allowance	150,000	150	150,000	150
Dissertation Production	0	0	300,000	300
TOTAL	6,650,000	6,650	6,400,000	6,400
Accommodation costs at the UDOM Hostel	980,000	980	980,000	980
Research	Arranged by clusters			

A5. DIRECT STUDENT COSTS/ALLOWANCE FOR PHD PROGRAMMES

COST ITEM	YEAR 1		YEAR 2 & 3		YEAR 4	
	Local (TAS)	Foreign (US \$)	Local (TAS)	Foreign (US \$)	Local (TAS)	Foreign (US \$)
Books and Stationary	700,000	700	700,000	700	980,000	700
Stipend (Accommodation and Meals)	5,400,000	5,400	5,400,000	5,400	2,380,000	5,400
Settling allowance	150,000	150	0	0	500,000	150
Thesis Production	0	0	0	0	600,000	600
Incorporating corrections and binding of thesis	0	0	0	0	350,000	350
TOTAL	6,650,000	6,650	6,100,000	6,100	7,050,000	7,050
Research	Arranged by Cluster					
Accommodation costs at the UDOM Hostel	980,000	980	980,000	980	980,000	980

A6: RESEARCH FUNDS FOR MASTER DEGREES (PAID ONCE)

Cluster	Research Fields	By Coursework and Dissertation	By Research Only
Cluster 1	Programmes in Social Sciences, Humanities and Education	2,500,000	3,500,000
Cluster 2	All research activities in fields of Natural and Pure Sciences	3,500,000	5,500,000

A7: RESEARCH FUNDS FOR PHD STUDENTS (PAID ANNUALLY)

Cluster	Research Fields	By Coursework and Dissertation	By Thesis
Cluster 1	Programmes in Social Sciences, Humanities and Education	5,000,000	6,000,000

Cluster 2	All research activities in fields of Natural and Pure Sciences	7,000,000	8,000,000
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5.3 Payment Modalities

The following modalities should be observed in payment of University direct costs and other dues pertaining to students:

- 1) All candidates are required to pay full fees for the year during registration. Payment in two instalments will only be permitted under special arrangements in which case, a minimum of 50% of the University direct costs for first year of study shall be paid during first registration and before issuance of registration number. The remaining 50% shall be paid during subsequent registration in the second semester/trimester/module. This procedure also applies for fees to be paid in the second year of studies.
- 2) All payments should be deposited into the University Bank Account to be indicated at the time of invitation for applications. Please ensure that payments made are receipted by the University Bursar.
- 3) All students' direct costs shall be paid directly to students by Sponsors based on sponsorship policies. However, these are indicative figures and sponsors may always consider increasing some stipend paid to candidates because Dodoma is a growing town thus prices are likely to fluctuate. Also, students should make arrangements with their sponsors so that their allowances can be paid directly to them through their bank accounts. The University shall not be responsible for student's allowances unless there is an agreement between the sponsor and the University. If such agreement is signed an administrative fee of 5% will be charged.
- 4) Research funds shall be paid to students upon submission of research proposals approved by relevant University organs.
- 5) Students who withdraw from studies within four weeks from the starting date of registration may be refunded subject to 10% retainment of the money paid. Note that request of refund of University direct costs due to withdrawal from studies beyond four weeks from the starting date of registration shall not be entertained. Nonetheless, accommodation money shall be refunded on pro-rata basis based on the length of stay in the University hostels.
- 6) All students from Southern Africa Development Community (SADC) as well as those from East African Community (EAC) shall make payments in Tanzanian shillings like the Tanzanian students.
- 7) Payments should be made to the following account
- 8) Students are required to ensure that all payments are made using **control number(s)**. Payments can be made through NMB Bank or CRDB Bank.
- 9) Please note that, **Control Numbers** are found on **Admission Letter System (ALIS)** for newly admitted students and on **SR** for continuing students.

5.4 Proposed Activity and Time Plan

The proposed activity and time plan within minimum registration period for each category is presented below:

ALMANAC FOR 2018 - 2019 ACADEMIC YEAR FULL TIME (18 MONTHS) PROGRAMMES

Year 1	
Activities	Date
Semester 1	
Start of Semester 1	27 October 2018
Registration	27 October - November 26, 2018
Start of Semester 1 Examinations	18 February, 2019
End of Semester 1 Examinations	1 March, 2019
End of Semester 1	2 March, 2019
Break	2 March, 2019 - 16 March, 2019
Semester 2	
Start of Semester 2	16 March, 2019
Registration	16 March, - 23 March, 2019
Start of Semester 2 Examinations	01 July, 2019
End of Semester 2 Examinations	12 July, 2019
End of Semester 2	13 July, 2019
Release of Final Examination Results	Mid August, 2019
Supplementary Examinations	Mid September 2019
Research Proposal Development	29 July, - 28 October, 2019
Research Proposal Presentation	29 October- 8 November, 2019
End of Year one	9 November 2019
Year 2	
Semester I	
Field work and Writing of Dissertation	11 November, 2019 - 30 January, 2020
Submission and Presentation at the College	01 - 15 February, 2019
Correction and approval at the College	16 - 23 February, 2019
Submission of dissertation at DGSCE	01 March – 30 April 2019
Examination at DGSCE	15-30 June, 2019
Compilation and approval Process at the DGSCE & Senate	1- 15 July, 2019
Corrections and Submission of Error Free copy	16 July – 30 July, 2019

ALMANAC FOR 2018 - 2019 ACADEMIC YEAR EVENING BASED MASTER PROGRAMMES (24 MONTHS) - SOCIAL SCIENCES AND EDUCATION

Year 1	
Activities	Date
Trimester 1	
Start of Semester 1	27 October 2018
Registration	27 October - November 26, 2018
Start of Semester 1 Examinations	18 February, 2019
End of Semester 1 Examinations	1 March, 2019
End of Semester 1	2 March, 2019
Break	2 March, 2019 - 16 March, 2019
Trimester 2	
Start of Semester 2	16 March, 2019
Registration	16 March, - 23 March, 2019
Start of Semester 2 Examinations	01 July, 2019
End of Semester 2 Examinations	12 July, 2019
End of Semester 2	13 July, 2019
Break	13 July, - 27 July, 2019
Trimester 3	
Trimester Registration	27 July, - 28 July, 2019
Start of Trimester 3	29 July, 2019
Start of Trimester 3 Examinations	3 November, 2019
End of Trimester 3 Examinations	15 November, 2019
Break	16 – 30 November 2019
Research Proposal Development	1 December 2019 – 1 March 2020
Research Proposal Presentations	2 March 2020 - 12 March 2020
Year 2	
Release of Final Examination Results	18 December, 2019
Supplementary Examinations	January, 2019
Field work and Writing of Dissertation	Mid March, 2020 – End of June, 2020
Submission and Presentation at the College	04 - 15 July, 2020
Correction and approval at the College	16 - 24 July, 2020
Submission of dissertation at DGSCE	25 - 30 July, 2020
Examination at DGSCE	1-15 August 2020
Compilation and approval process at the DGSCE & Senate	16-30 August 2020
Corrections and Submission of Error Free	1 - 15 September, 2020

**ALMANAC FOR 2018 – 2019 ACADEMIC YEAR EVENING BASED
PROGRAMMES - COLLEGE OF BUSINESS STUDIES**

Year 1	
Activities	Date
Trimester 1	
Start of Semester 1	27 October 2018
Registration	27 October - November 26, 2018
Start of Semester 1 Examinations	18 February, 2019
End of Semester 1 Examinations	1 March, 2019
End of Semester 1	2 March, 2019
Break	2 March, 2019 - 16 March, 2019
Trimester 2	
Start of Semester 2	16 March, 2019
Registration	16 March, - 23 March, 2019
Start of Semester 2 Examinations	01 July, 2019
End of Semester 2 Examinations	12 July, 2019
End of Semester 2	13 July, 2019
Break	13 July, - 27 July, 2019
Trimester 3	
Trimester Registration	27 July, - 28 July, 2019
Start of Trimester 3	29 July, 2019
Start of Trimester 3 Examinations	3 November, 2019
End of Trimester 3 Examinations	15 November, 2019
Break	16 – 30 November 2019
Release of Final year 1 Examination Results	End of December, 2019
Supplementary Examinations	End of January, 2019
Year 2	

Trimester 1	
Start of Trimester 1	1 December 2019
Trimester Registration	1-2 December 2019
Start of Trimester 1 Examinations	18 March, 2020
End of Trimester 1 Examinations	29 March, 2020
End of Trimester 1	30 March, 2020
Research Proposal Development	1 January 2020 - 26 March, 2020
Trimester 2	
Research Proposal Presentations	30 April - May 04 2018
Release of Final Examination Results	April, 2018
Supplementary Examinations	May, 2018
Field work and Writing of Dissertation	30 April - 27 July 2018
Submission and Presentation at the College	30 July - 03 Aug, 2018
Correction and approval at the College	06 - 10 Aug 2018
Submission of dissertation at DGSCE	13 Aug- 17 August, 2018
Examination at DGSCE	August, 2018
Compilation and approval process at the DGSCE & Senate	September, 2018
Submission of Error Free copy	17 - 21 September 2018

ALMANAC FOR ACADEMIC YEAR 2018 - 2019 FULL -TIME BASED SCIENCE PROGRAMMES (24 Months)

Year 1	
Activities	Date
Semester 1	
Start of Semester 1	27 October 2018
Registration	27 October - November 26, 2018
Start of Semester 1 Examinations	18 February, 2019
End of Semester 1 Examinations	1 March, 2019
End of Semester 1	2 March, 2019
Break	2 March, 2019 - 16 March, 2019
Semester 2	
Start of Semester 2	16 March, 2019
Registration	16 March, - 23 March, 2019
Start of Semester 2 Examinations	01 July, 2019
End of Semester 2 Examinations	12 July, 2019
End of Semester 2	13 July, 2019
Release of Final Examination Results	Mid August, 2019
Supplementary Examinations	Mid September 2019
Break	13 July, - 26 July, 2019
Year 2	
Activities	Date
Start of Semester 1	27 July 2019
Start of Semester 1 Examinations	11 November 2019

End of Semester 1	22 November, 2019
Release of Final Examination Results	Mid December, 2019
Research Proposal Development	10 December 2019 - 12 February, 2020
Research Proposal Presentation	18 February 2020 - 28 February, 2020
Break	29 February, 2020, - 14 March 2020
Semester 2	
Field work and Writing of Dissertation	15 March, - 1 August, 2020
Submission and Presentation at the College	2 – 16 August, 2020
Correction and approval at the College	17 - 23 August 2010
Submission of dissertation at DGSCE	20 - 26 August, 2020
Examination at DGSCE	27 August – 9 September, 2020
Compilation and approval Process at the DGSCE & Senate	11- 23 September, 2020
Submission of Error Free copy	24 September, - 28 September, 2020
Note: Programmes with only 12 months of course work the research part starts immediately after first year	

ALMANAC FOR FULL -TIME MMED GRADUATE PROGRAMMES 2018/2019 ACADEMIC YEAR – SCHOOL OF MEDICINE	
Year 1	
Activities	Date
Semester 1	
Start of Semester 1	27 October 2018
Registration	27 October - November 26, 2018
Start of Semester 1 Examinations	4 March, 2019
End of Semester 1 Examinations	15 March, 2019
End of Semester 1	16 March, 2019
Data collection for year III students	29 October - 1 April 2019
Semester 2	
Registration year I-III	30 March, - 1 April, 2019
Start of Semester 2 year I-III	1 April, 2019
Start of Semester 2 Examinations	12 August, 2019
End of Semester 2 Examinations	23 August, 2019
End of Semester 2	23 August, 2019
Research Proposal Development for year II students	13 March, - 03 July 2019
Data analysis and Dissertation writing for year III	03 April - 02 June 2019
Report presentation for year III at School/College	12 - 16 June 2019
Research Proposal presentation for year II at School	19 - 23 June 2019
Submission of dissertation at DGSCe for year III	24 June - 03 July, 2019
Dissertation defense for year III	21 - 25 August, 2019
Deadline for Submission of Error free copy	08 September, 2019

**ALMANAC FOR 2018 - 2019 FULL -TIME GRADUATE PROGRAMMES -
SCHOOL OF NURSING**

Year 1	
Activities	Date
Semester 1	
Start of Semester 1	27 October 2018
Registration	27 October - November 26, 2018
Start of Semester 1 Examinations	4 March, 2019
End of Semester 1 Examinations	15 March, 2019
End of Semester 1	16 March, 2019
Research data collection for 4th semester students	4 Feb, - March 2019
Data analysis and Dissertation writing for 4th semester students	4 March - 31 May, 2019
Research Proposal Development for 2nd semester students	10 April, 2019
Semester 2	
Registration year I-III	30 March, - 1 April, 2019
Start of Semester 2 year I-III	1 April, 2019
Start of Semester 2 Examinations	12 August, 2019
End of Semester 2 Examinations	23 August, 2019
End of Semester 2	23 August, 2019
Field clinical placement to referal Hosp. for 2nd semester MSc PN students	10 April, - 05 May, 2019
Teaching Practice Field placement to HLNI for 4th semester MSc NE students	
Submission of dissertation for 4th semester MSc students	06 May, - 31 July, 2019

Dissertation defense for 4th semester MSc students	13- 23 August, 2019
Submission of manuscript for publication for 4th semester MSc students	24 August, - 15 September, 2019
Field clinical placement to referal Hosp. for 2nd semester MSc students	09 October, - 04 November 2019
Teaching Practice Field placement to HLNI for 2nd semester MSc NE students	
Break	
Year 2	
Semester I	
Registration	October 30 - November 03, 2019
Start of Semester 1	31 October, 2019
Start of Semester 1 Examinations	20 March, 2020
End of Semester 1 Examinations	31 March, 2020
End of Semester 1	01 April, 2020
Submission of clinical/Teaching rotation reports for 2th semester MSc students	05 - 13 November 2019
Submission of Research Proposal for 2th semester MSc students	13 - 26 November 2019
Research Proposal Presentation for 2th semester MSc students	27 November, - 1 December 2019
Submission of Research Proposal for ethical review	02 - 15 December 2019
Semester 2	
Registration	20 March, - 23 March, 2020
Start of Semester 2	20 March, 2020
Start of Semester 2 Examinations	03 July, 2020
End of Semester 2 Examinations	14 July, 2020

Research data collection for 3rd semester students	4 Feb, - 02 March 2020
Data analysis and Dissertation writting	4 March - 31 May, 2020
Submission of Dissertation	31 July, 2020
Dissertation defense	13 - 23 August, 2020
Deadline for Submission of Error free copy	08 September, 2020

ACTIVITY PLAN FOR MASTER BY RESEARCH (THESIS) ALONE - FULL TIME AND PART TIME										
Item	Activities	Year 1				Year 2				Year 3
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Proposal Development, submission and approval	Writing and presentation at the Department									
	Presentation and approval at the School and College level									
	Presentation and approval at SGSC									
Data Collection	Data collection									
Data analysis and Thesis writing	Data analysis and Writing Thesis									
Thesis Submission, presentation and approval	College Level									
	SGSC									

Note: Dark is for part time Master by Thesis candidates

ACTIVITY PLAN FOR PhD BY RESEARCH (THESIS) ALONE - FULL TIME AND PART TIME

Item	Activities	Year 1				Year 2				Year 3				Year 4			
		Q1	Q2	Q3	Q4												
Proposal Development, submission and approval	Writing and presentation at the Department																
	Presentation and approval at the School and College level																
	Presentation and approval at SGSC																
Data Collection	Data collection - PhD																
Data analysis and Thesis writing	Data analysis and Writing Thesis - PhD																
Thesis Submission, presentation and approval	College Level																
	SGSC																

Note: Dark is for part time PhD candidates