

MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES



POSTGRADUATE PROSPECTUS

2025/2026 – 2026/2027



The late President of Tanzania, Mwalimu Julius Nyerere officiating the establishment of the Faculty of Medicine in 1963 at Muhimbili

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VICE CHANCELLOR'S STATEMENT



I am delighted to introduce you to the postgraduate prospectus for the academic period 2025/2026 through 2026/2027, specifically devoted to competence-based education at Muhimbili University of Health and Allied Sciences (MUHAS). This prospectus provides a synopsis of postgraduate academic programmes offered by the University, as well as key information intended to guide prospective and registered students of MUHAS. The prospectus outlines each programme and

explains the criteria for student eligibility, examination rules and regulations and other special academic requirements for the competence-based education.

In total, MUHAS currently offers 95 postgraduate programmes to about 1,600 students. Highly trained and experienced faculty staff in seven schools and one institute administer the various academic programmes summarised in this prospectus. MUHAS also prides in eleven directorates which carry out various functions and coordinate activities aimed at enabling MUHAS to implement its core functions of teaching, research and public service.

There are limited chances for enrollment at the University, and admission is highly competitive. Therefore, we are only able to select a small proportion of the very best in the country. In addition to training Tanzanians, MUHAS also accepts short-term (elective/exchange students) and long-term international students from the region, as well as from other continents worldwide.

It is my hope that you will find this prospectus resourceful. It is my pleasure to welcome you to this University if you have already chosen to study here. I also encourage prospective candidates to make the necessary preparations and apply to join MUHAS in the future.

Prof. Appolinary A. R. Kamuhabwa
Vice Chancellor
Muhimbili University of Health and Allied Sciences
Dar es Salaam – November 2025

SENIOR OFFICERS OF THE UNIVERSITY

Chancellor Muhimbili University of Health and Allied Sciences

Hon. Prof. David H. Mwakyusa (Former Member of Parliament and Minister of Health of the United Republic of Tanzania)

Chairman of the University Council

Hon. Dr. Harrison G. Mwakyembe, Diploma (TSJ), LL.B (Hons) (UDSM), LL.M (UDSM), LL.M (Magister Legum) (Hamburg), PhD (Hamburg), PG Dip. (University of Turin)

Vice Chancellor - Muhimbili University of Health and Allied

Sciences Prof. Appolinary A.R. Kamuhabwa, BPharm (UDSM), MPharm Sc, PhD (KULeuven)

Deputy Vice Chancellor - Academic

Prof. Emmanuel Balandya, MD (UDSM), PhD (Dartmouth)

Acting Deputy Vice Chancellor - Research and Consultancy

Prof. Bruno F. Sunguya, MD (UDSM), MSc, PhD (Tokyo)

Deputy Vice Chancellor - Planning, Finance and Administration

Prof. Erasto V. Mbugi, BVM, MVM (SUA), PhD (Wageningen), Post Doc (MUHAS)

PRINCIPAL AND DEANS OF SCHOOLS

Principal Campus College of Medicine

Prof. Enica Richard, MD, MMed (UDSM), Clinical Fellowship in Rhinology (Tan Tock Seng Hospital, Malaysia)

DEANS OF SCHOOLS

School of Clinical Medicine

Dr. Peter T. Wangwe, MBChB (Makerere), MMed (UDSM).

School of Diagnostic Medicine

Prof. Agricola Joachim, MD, MMed (UDSM), PhD (Karolinska)

School of Biomedical Sciences

Dr. Sabina Mugusi, MD (IMTU), PhD (Karolinska)

School of Dentistry

Dr. Ferdinand M. Machibya, DDS (UDSM), DGH (Tampere), MCL Dent Orthod (Jilin), PhD (Fujian Medical University)

School of Pharmacy

Dr. Ritah F. Mutagonda, BPharm, MSc (MUHAS), PhD (MUHAS)

School of Nursing

Prof. Edith M. Tarimo, BSc. N (UDSM), Mphil (Bergen), PhD (Karolinska)

School of Public Health and Social Sciences

Prof. Deodatus C. Kakoko, BEd, MA (UDSM), PhD (Bergen)

DIRECTORS

Director of Students Services

Dr. Hawa Mbawala, DDS (UDSM), DGH (Tampere), PhD (Bergen)

Director of Continuing Education and Professional Development

Prof. Raphael Z. Sangeda, BPharm (India), MSc (Jomo Kenyatta Univ.),
MPharm Sc, PhD (KULeuven)

Director of Research, Publications and Innovation

Prof. Nahya S. Masoud, MD (UDSM), MMed (MUHAS), PhD (Switzerland).

Director of Postgraduate Studies

Prof. Doreen Kamori, MD (CUHAS), PhD (Kumamoto)

Acting Director of Planning and Investment

Mr. Ulimbaga K. Mwangoka, BA ED, MBA (UDSM)

Director of Undergraduate Education

Dr. Joseph Sempombe, BSc. Edu, MSc. Chem (UDSM), PhD (New Mexico)

Director of Quality Assurance

Prof. Obadia Nyongole, MD, MMed (MUHAS), MSc SS (Tumaini)

Director of Information Communication Technology (ICT)

Mr. Mbanga S. Rubibi BSc. (International University of Africa-Sudan), MSc.
Avinashilingam University – India)

Director of the Institute of Traditional Medicine

Dr. Pax J. Masimba, BVM, MSc (SUA), PhD (Basel)

Director of the Institute of Allied Health Sciences

Dr. Bonny Betson, DDS (UDSM), MDent (MUHAS)

Director of Library Services

Dr. Rehema Chande Mallya, BEd (UDSM), MA Information Studies (UDSM), MBE (MUHAS), PhD Information Studies (UDSM)

Director of Human Resources Management and Administration

Mr. Frank Ezekiel Kaduma, BPA, MSc. HRM (Mzumbe University)

Director of Estates

QS. Gerald L. Mwikuka, BSc. BE (UDSM), MSc. CEM (ARU)

Director of Procurement Management Unit

Dr. Ernest R. Khisombi, ADMA (IDM-Mzumbe), BA, MA (New Life Outreach Academy), MBA (Mzumbe University), PhD (Elam Christian University)

Director of Finance

CPA Mr. Abdallah J. Mwaduga, ADA (IAA), CPA (NBAA), MBA Fin. (OUT).

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MUHAS BANKERS

The National Bank of Commerce

Samora Branch

P.O. Box 9002 Dar es Salaam

The National Bank of Commerce Muhimbili Branch

Dar es Salaam

Tel: +255 22 2152627

The National Microfinance Bank

Muhimbili Branch

P.O. Box 151951 Dar es Salaam

Tel: +255 22 2152055

This prospectus is published to guide students in the University during the academic years 2025/2026 through 2026/2027. The information in this publication is correct at the time of going to press, but all matters contained in the prospectus are subject to change from time to time both before and after students' admission.

CHAPTER ONE:

GENERAL INFORMATION

1.1 INTRODUCTION

The Muhimbili University of Health and Allied Sciences (MUHAS) is a successor to the Muhimbili University College of Health Sciences (MUCHS), which was a constituent College of the University of Dar es Salaam. MUCHS was established by an Act of Parliament, Act No 9 of 1991, when the then Faculty of Medicine was upgraded to a College. The Faculty of Medicine originated from the Dar es Salaam School of Medicine, which was established in 1963 by the Ministry of Health with the primary aim of training clinical health staff. In 1968, the Dar es Salaam School of Medicine was upgraded to a Faculty of Medicine of the Dar es Salaam University College of the University of East Africa. In 1970, it became a Faculty of Medicine of the University of Dar es Salaam. In 1976, the Faculty of Medicine was incorporated into Muhimbili Hospital to form the Muhimbili Medical Centre (MMC).

In 1991, the Faculty of Medicine was upgraded to a constituent College of the University of Dar es Salaam, with the aim of nurturing it to a full-fledged University. In 2000 the Government by Act of Parliament disestablished MMC and created two closely linked but autonomous public institutions; namely MUCHS and the Muhimbili National Hospital (MNH). Over the years MUCHS made significant achievements in terms of increased student enrollment and development of several new academic programmes. The Parliament Act No 9 of 1991 that established MUCHS was repealed in 2005. Subsequently, in the year 2007, MUHAS was established by Article 1 of the Charter of Incorporation, in line with the recommendations of the Tanzania Commission for Universities.

The objectives of the University are the advancement of knowledge, diffusion and extension of technology and learning, the provision of higher education and research and, so far as is consistent with those objectives, the nurturing of the intellectual, aesthetic, social and moral growth of the students at the University.

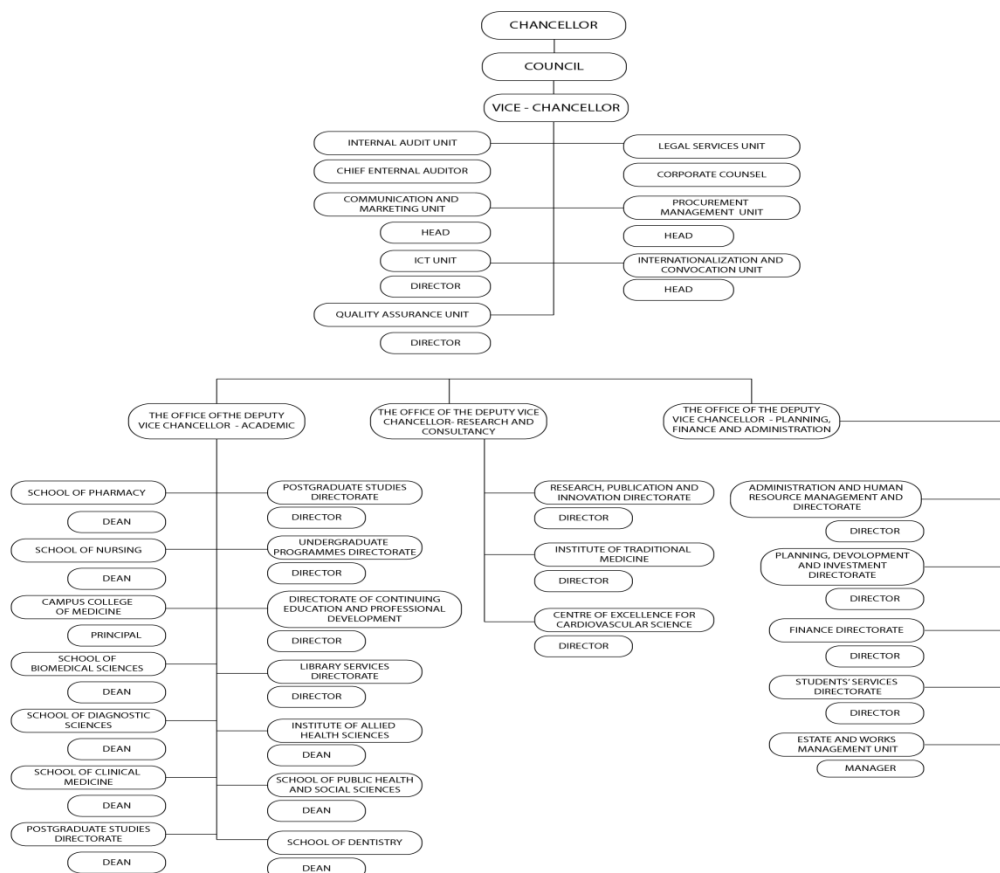
MUHAS has three campuses namely; Muhimbili, Mloganzila and Kigoma. The Muhimbili Campus is situated in Ilala Municipality, in Upanga along United Nations Road. The Mloganzila Campus is still new and in the process of development. It occupies 3,800 acres and is located 3 km off Dar es Salaam-Morogoro highway,

25 km from Dar es Salaam city centre. Kigoma Campus which is in the process of development has 102 acres of land located in Western Zone of the country at Ujiji, Kigoma. MUHAS has other facilities including the Bagamoyo Teaching Unit at Bagamoyo and 100 acres of land at Kihonda, 8 km from Morogoro Municipality along Morogoro-Dodoma Road. These two premises are utilized for fieldwork during Community rotations and other academic and research activities. MUHAS has 95 postgraduate (Master and PhD) programmes which are offered in the seven schools and one Institute. The programmes are presented in the prospectus under the respective academic units and detailed in the individual programme documents available in the Schools and Academic Institute. The office of Directorate of the Postgraduate Programmes under the Deputy Vice Chancellor - Academic coordinates teaching of all academic programmes; The office of the Deputy Vice Chancellor – Research and Consultancy coordinates research and consultancy services, while the office of the Deputy Vice Chancellor- Planning, Finance and Administration coordinates planning, administrative and human resource matters. The Directorates of Information Communication and Technology (ICT) and Library Services provide crosscutting support to all University units in information management.

12 MUHAS ORGANISATION STRUCTURE

Chart II

THE APPROVED FUNCTIONS AND ORGANISATIONAL STRUCTURE OF THE MUHIMBILI UNIVERSITY HEALTH AND ALLIED SCIENCES
(Approved by the President on 15th January, 2022)



1.3 LIST OF ACADEMIC PROGRAMMES AND HONORARY AWARDS

1.3.1 UNIVERSITY LEVEL: HONORARY AWARDS

- (i) Doctor of Science (DSc. hc)
- (ii) Doctor of Letters (Litt.D)
- (iii) Doctor of Humane Letters (D.H.L) or (LH. D)
- (iv) Doctor of Humanities (Humanist. D)
- (v) Doctor of Pedagogy (Ped.D)
- (vi) Doctor of Public Health (D.P.H.)
- (vii) Doctor of Hygiene (D.H. hc)

1.3.2 CAMPUS COLLEGE OF MEDICINE

SCHOOL OF CLINICAL MEDICINE

Master of Science

- (i) MHM113 - Clinical Psychology (MSc Clinical Psychology)
- (ii) MHM149- Cardiovascular Perfusion (MSc Card. Perf.)

Master of Medicine (MMed)

- (i) MHM17 - Anaesthesiology (MMed Anaesthesia.)
- (ii) MHM90 - Clinical Oncology (MMed Oncol.)
- (iii) MHM91 - Emergency Medicine (MMed Emerg Med.)
- (iv) MHM97 - Internal Medicine (MMed Int.Med.)
- (v) MHM93 - Obstetrics and Gynaecology (MMed Obs. Gynae.)
- (vi) MHM99 - Ophthalmology (MMed Ophthal.)
- (vii) MHM100 - Orthopaedics and Traumatology (MMed Ortho. Trauma)
- (viii) MHM22 - Otorhinolaryngology (MMed Otorhinolaryngology)
- (ix) MHM101 - Paediatrics and Child Health (MMed. Paed. Child Health)
- (x) MHM94 - Psychiatry (MMed Psych)
- (xi) MHM95 - General Surgery (MMed Surgery)
- (xii) MHM96 - Urology (MMed Urology)
- (xiii) MHMXX - Neurosurgery (MMed Neurosurg)

Master of Science in Superspecialities

- (i) MHM130 - Cardiology (MSc Cardiology)
- (ii) MHM148 - Cardiothoracic Anaesthesia and Critical Care (MSc. Cardiothoracic. Anaesthesia. and Crit. Care)
- (iii) MHM143 - Cardiothoracic Surgery (MSc. Cardiothoracic Surgery)
- (iv) MHM151 - Neonatology (MSc. Clin. Neonatol.)
- (v) MHM150 - Critical Care Medicine (MSc. Crit. Care Med.)
- (vi) MHM120 - Medical Gastroenterology and Hepatology (MSc Med. Gastro. Hepatol.)

- (vii) MHM121 - Nephrology (MSc Nephrology)
- (viii) MHM122 - Neurology (MSc Neurology)
- (ix) MHM123 - Neurosurgery (MSc Neurosurgery)
- (x) MHM137 - Paediatric Haematolo-oncology (MSc Paed. Haemato-oncology)
- (xi) MHM147 - Paediatric Surgery (MSc Paed. Surg.)
- (xii) MHM124 - Respiratory Medicine (MSc Resp Medicine)
- (xiii) MHM51 - Surgical Gastroenterology and Hepatology (MSc Surg. Gastro. Hepatol.)
- (xiv) MHM125 - Urology (MSc Urology)
- (xv) MHM127 - Plastic and Reconstructive Surgery (MSc Plastic Rec. Surg.)
- (xvi) MHMXX - Dermatology (MSc Derm)
- (xvii) MHMXX - Maternal and Fetal Medicine (MSc Maternal & Fetal Med)
- (xviii) MHMXX - Urogynecology and Pelvic Reconstructive Surgery (MSc Urogyne & Pelv Reconst Surg)
- (xix) MHMXX - Paediatric Emergency Medicine (MSc Paed Emerg Med)

SCHOOL OF DIAGNOSTIC MEDICINE

Master of Science

- (i) MHM108 - Histotechnology (MSc HT)
- (ii) MHM107 – Medical Microbiology (MSc Medical Microbiology)

Master of Medicine

- (i) MHM13 - Radiology (MMed Radiology)
- (ii) MHM98 – Clinical Microbiology and Infectious Disease (MMed Microbiol. Infectious Dis.)
- (iii) MHM92 - Haematology and Blood Transfusion (MMed Haematol. & BT)

Master of Science in Superspecialities

- (i) MHM126 - Vascular and Interventional Radiology (MSc Interv. Radiol.)
- (ii) MHM141 - Neuroradiology (MSc Neuroradiology)
- (iii) MHM138 - Haematology and Blood Transfusion (MSc Haematol. & BT)

SCHOOL OF BIOMEDICAL SCIENCES

Master of Science

- (i) MHM32 - Human Anatomy (MSc Anatomy)
- (ii) MHM43 - Applied Medical and Exercise Physiology (MSc Physiology)
- (iii) MHM112 – Biochemistry and Molecular Biology (MSc Biochemistry)
- (iv) MHM139 - Clinical Pharmacology and Precision Therapeutics (MSc Clin. Pharm.)

**MHM45 - Master of Science (MSc) by Research and Publications
Doctor of Philosophy (PhD)**

1.3.3 SCHOOL OF DENTISTRY

1.3.4 Master of Dentistry

- (i) MHM140 - Oral Public Health (MDent Oral Public Health)
- (ii) MHM57 - Oral and Maxillofacial Surgery (MDent Oral. Maxillo. Surgery)
- (iii) MHM58 - Paediatric Dentistry (MDent Paed Dent)
- (iv) MHM59 - Restorative Dentistry (MDent, Rest. Dent)
- (v) MHM132 - Orthodontics (MDent Orthodontics)

MHM45 - Master of Science (MSc) by Research and Publications
Doctor of Philosophy (PhD)

1.3.5 SCHOOL OF PHARMACY

1.3.6 Master of Science

MHM109 - Pharmaceutical Management – *Regular track* (MSc Pharm. Management)

MHMXX - Pharmaceutical Management – *Evening track* (MSc Pharm. Management)

MHMXX - Medicinal and Pharmaceutical Chemistry (MSc Med. Pharm. Chem)

MHMXX - Medical Products Regulatory Affairs (MSc MPRA)

MHMXX - Pharmacovigilance and Pharmacoepidemiology (MSc PV&PE)

MHMXX - Bioinformatics (MSc Bioinformatics)

MHMXX - Phytopharmaceutical and Natural Medicines Science (MSc Phytopharm Nat Med Sci)

Master of Pharmacy

(i) MHM106 - Industrial Pharmacy (MPharm Indust. Pharm.)

(ii) MHM105 - Quality Control and Quality Assurance (MPharm QC & QA)

(iii) MHM102 - Clinical Pharmacy (MPharm Clin. Pharm)

(iv) MHM136 - Pharmaceutical Microbiology (MPharm Pharm. Microbiol.)

(v) MHM104-Pharmacognosy (MPharm Pharmacognosy)

MHM45 - Master of Science (MSc) by Research and Publications
Doctor of Philosophy (PhD)

1.3.7 SCHOOL OF NURSING

Master of Science (MSc)

MHM117 - MSc Emergency and Critical Care Nursing (MSc ECCN)

MHM118 - MSc Mental Health Nursing and Psychotherapy (MSc MHNP)

MHM40 - MSc Midwifery and Women's Health (MSc MWH)

MHM144 - MSc Cardiovascular Nursing (MSc NVN)

MHM145 - MSc Nephrology Nursing (MSc NN)

MHM146 - MSc Oncology and Palliative Care Nursing (MSc OPN)

MHM45 - Master of Science (MSc) by Research and Publications

1.3.8 SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

Master of Bioethics

- (i) MHM53 - Master of Bioethics (MBE)

Master of Medicine

- (i) MHM135 - Community Health (MMed Comm. Health)

Master of Public Health

- (i) MHM56 - Master of Public Health (MPH) – Distance learning
- (ii) MHM55 - Master of Public Health (MPH) – Executive Track
- (iii) MHM54 - Master of Public Health (MPH) – Regular Track
- (iv) MHM142 - Master of Public Health Implementation Science (MPH- IS)

Master of Science

- (i) MHM110 - Applied Epidemiology (MSc Applied Epidemiology)
- (ii) MHM114 - Environmental Health (MSc EH)
- (iii) MHM115 - Epidemiology and Laboratory Management (MSc Epid and Lab Management)

- (iv) MHM116 - Parasitology and Medical Entomology (MSc PE)
 - (v) MHM129 - Tropical Disease Control (MSc, TDC)
 - (vi) MHM119 - Project Management, Monitoring and Evaluation in Health (MSc PMMEH)
 - (vii) MHM131 - Health Economics and Policy (MSc HEP)
 - (viii) MHM155 - Nutritional Epidemiology (MSc NE)
 - (ix) MHM52 - Health Policy Management and Entrepreneurship (MSc in HPE)
 - (x) MHMXX - Occupational Health and Safety (MSc OHS)
 - (xi) MHMXX- Digital Health (MSc Dig Health)
-
- (i) Master MHM111 - Social and Behavioral Change for Health (MSBC) - Regular track.
 - (ii) MHMXX - Social and Behavioral Change for Health (MSBC) - Executive track

MHM45 - Master of Science (MSc) by Research and Publications
Doctor of Philosophy (PhD)

1.3.9 INSTITUTE OF TRADITIONAL MEDICINE

Master of Science

- (i) MHM128 – Herbal Product Development (MSc Herv Prod Development)
- (ii) MHMXX– Quality Assurance and Quality Control of Herbal Products (MSc in QA and QC Herb Prod)

MHM45 - Master of Science (MSc) by Research and Publications
Doctor of Philosophy (PhD)



Photograph of MUHAS top University officials (Chancellor, Council Chairperson, Vice Chancellor and Deputy Vice Chancellors) at a graduation ceremony.

1.4 APPLICATION PROCEDURES

Applications for all Master by Coursework Degree Programmes in seven Schools and the Institute of Traditional Medicine shall be done **online** through the portal available on MUHAS website (www.muhas.ac.tz). In the event of malfunction of the online system, the following application procedure shall be followed;

1.4.1 Submission of application

- (i) All applications for postgraduate training at the University shall be submitted to the Director of Postgraduate Studies (DPGS) and copies to DVC-A and the respective Deans/Directors.
- (ii) Application Forms for Master Programmes (**MUHAS/PG.F1**) for all Schools and Institutes can be obtained from the office of the Director, Postgraduate Studies or from the website www.muhas.ac.tz. Application forms should be duly filled and submitted, accompanied by referees' reports (**MUHAS/PG.F2**), copies of transcripts, degree certificates, and a receipt for the paid fees.

1.4.2 Application Fee

All applicants are required to pay a non-refundable application fee as indicated in the fee structure in the University prospectus. The fee should be paid through MUHAS Bank accounts (Refer to forms **MUHAS/PG. F1**)

1.5 ENTRY QUALIFICATIONS

1.5.1 Master's Degree

Candidates for admission to the Master's Degree programmes of the Muhimbili University of Health and Allied Sciences shall hold the following qualifications: -

- (i) A degree of this University, its predecessor or an equivalent degree from another recognised University with a cumulative GPA of 2.7 or a “B” grade.
- (ii) Postgraduate Diploma in the intended area of specialisation with a minimum average of “B” grade or GPA of 3.0.
- (iii) For some Master programmes, an equivalent degree may not mean crossing from disciplines of one programme to another, e.g., from MD to MDent or from DDS to MMed. This should not be allowed. The equivalent degree for MD is MB ChB and MB BS, and the equivalent degree for DDS is BDS.

- (iv) For other detailed requirements, applicants should refer to the specific programmes in the Prospectus.

1.5.2 Post MMed Master's Degrees

- (i) Any holder of an MMed degree in a relevant medical discipline of this University or its predecessor with outstanding academic and professional conduct.
- (ii) Holders of a degree equivalent to an MMed degree in a relevant medical discipline from other approved Universities with good academic and professional conduct.

The applicant must pass an interview organised by the relevant department before admission.

1.5.3 Doctor of Philosophy Degree

A candidate for admission to the Doctor of Philosophy degree at the Muhimbili University of Health and Allied Sciences shall hold the following qualifications: -

- (i) Master's degree of this University or its predecessor, or an equivalent Master's degree from a recognised University.

1.5.4 Other Requirements

- (i) Certificates obtained from unlisted Universities and institutions of higher learning shall be subject to approval by the Tanzania Commission for Universities.
- (ii) Students discontinued on academic grounds from this university or other universities shall only be eligible for re-admission or admission, respectively, to this University for the same or any other programme at least three years after discontinuation from the studies.
- (iii) Students discontinued from studies on disciplinary grounds or examination irregularities shall not be considered for re-admission to this University.
- (iv) Application call shall be posted not later than 31st December and the application deadline shall be 31st March of each year.

1.6 REGISTRATION

1.6.1 Master Programmes (coursework and dissertation)

- (i) Candidates will be registered for coursework study followed by research leading to a dissertation: -
 - (a) Candidates may register as full-time or as part-time students.

- (b) Registration shall take place during the first two (2) weeks of each semester using forms **MUHAS/PG. F3** for semester one, and **MUHAS/PG. F4** for other semesters upon paying the required fees.
- (c) Failure to renew registration shall mean automatic de-registration from studies.
- (d) First-semester candidates must submit the following documents at the time of registration:
 - (i) Evidence of payment of the University Fees
 - (ii) Originals of University/college transcripts and certificates, which will be returned to the candidate after physical verification
 - (iii) Two stamp-sized photographs
 - (iv) Evidence of release from employer (if employed)
 - (v) Evidence of sponsorship or ability to self-support
 - (vi) Students shall be registered by the names appearing on their certificates. No change of names by students shall be entertained during the course of study at the University except under special circumstances backed by legal evidence and approved by the Senate.
 - (vii) No student shall be allowed to defer studies after selection for admission and before registration. Those who cannot register for various reasons will have to reapply and compete with others when the next invitation for applications is posted.
 - (viii) No student shall be allowed to postpone studies after effective commencement of an academic year except under special circumstances. Permission to postpone studies will be considered after satisfactory evidence of the reason for postponement is provided. Special circumstances shall include:
 - (a) Sickness.
 - (b) Serious social problems (each case to be considered on its own merit)
 - (c) Severe sponsorship problem
 - (i) Students shall be allowed to be away from the University studies for a maximum of two years if they are to be re-admitted to the same programme and year of studies where they left off.
- (ix) No student shall be allowed to change programme after the 2nd week since commencement of the programme.

- (x) Transfer of accumulated credits from one academic programme from another university to another programme at MUHAS shall be allowed only if the candidate meets the required admission criteria for the programme for which transfer is being sought and a vacancy exists in that programme.
- (xi) The registration of new **(using form MUHAS/PG.F3)** and continuing **(using from MUHAS/PG.F4)** students shall be two weeks from the first day of the commencement of classes. Students seeking registration during the 3rd week shall be liable to a surcharge of 5,000/= per working day. No student shall be registered after the 3rd week from the commencement of the semester.
- (xii) Every registered candidate is required to submit a progress report **(using form MUHAS/PG.F5)** to his/her supervisor, who shall forward it to the School or Institute through the Head of Department.
- (xiii) Each School/Institute is required to submit progress reports of all postgraduate students registered in that School or Institute to the Senate Higher Degrees Committee (SHDC) at the end of every semester.

1.6.2 Master Programmes by Research and Publications

Candidates will be registered for research leading to a thesis:

- (i) Candidates shall be required to register at the beginning of the 1st year using a form **MUHAS/PG.F9** and to renew their registration at the beginning of subsequent academic years by filling form **MUHAS/PG.F4** and paying the required fees.
- (ii) Failure to renew registration shall mean automatic discontinuation from studies.
- (iii) The registration of MSc by Research and Publications candidates shall be according to the following procedure: -
 - (a) With the help of the Department's postgraduate committee, the candidate submits a five-page statement (concept note) of the intended research topic to the relevant School/Institute.
 - (b) On the basis of the Department's recommendations, the School/Institute will appoint supervisors to the candidate. Additional supervisor(s) may be appointed if necessary, but with the approval of the Senate Higher Degrees Committee (SHDC) upon submission of the recommendations by the School/Institute Higher Degrees Committee and a duly filled-in **MUHAS/PG.F9** for provisional registration.

- (c) Within four months of admission and provisional registration into an MSc by Research and Publications programme, the candidate shall present a comprehensive research proposal in a Departmental seminar for all (especially the Department's Postgraduate Committee) to review.
- (d) Guidelines on the writing of the Research Proposal are detailed in Appendix III. The proposal should not exceed 25 pages in length, typed in 12-point font and have double-spaced lines. Each member of the department's postgraduate committee shall be given a copy of the proposal for scrutiny at least seven days before the date of the seminar presentation.
- (e) If satisfied with the proposal's quality, the department shall submit the proposal for evaluation by the School's/Institute's Higher Degrees Research and Publication Committee (HDRPC), in the presence of the student.
- (f) If the School's/Institute HDRPC finds the proposal satisfactory, the proposal shall be submitted to the Director of Postgraduate Studies, who will forward it to the Director of Research and Publications for ethical clearance.
- (g) The ethically approved proposal shall be submitted to SHDC, which will receive, discuss and recommend to the Senate for a full MSc by Research and Publication registration. The candidate must fill form

MUHAS/PG.F10.

- (h) The maximum period for the submission of the proposal is **six** months.
- (iv) After this period, the provisional registration will be withdrawn and the candidate shall have to submit a fresh application.
- (v) Extension of the period of maximum submission may be allowed on recommendation of the relevant School Board and Senate Higher Degrees Committee and approved by the Senate.

1.6.3 Post MMed Superspecialization Master Programmes

Candidates shall be registered for a 4-semester full-time training consisting of coursework and clinical audits to improve the quality of service delivery in their respective units.

- (i) All regulations for Master Programmes by coursework and dissertation apply to this category, except that the Superspeciality programmes are full-time and

have no dissertation work.

- (ii) Training of superspeciality students aims at creating experts in the field, and the main focus will therefore be on the development of appropriate skills and competence.
- (iii) The curriculum shall clearly spell out the minimum number of different procedures which a student shall have to perform under supervision and on his/her own in order to be certified competent. The use of logbooks and portfolios must be enforced to ensure students are mastering the superspecialty.

1.6.4 PhD Programmes

- (i) PhD students may be registered as full-time (4 years) or part-time (5 years) and also by publication or monograph. The registration procedure will be the same for both, PhD by monograph and by publications.
- (ii) Candidates shall be required to register at the beginning of the 1st year using a form **MUHAS/PG.F9** and to renew their registration at the beginning of subsequent academic years by filling form **MUHAS/PG.F4** and paying the required fees.
- (iii) Failure to renew registration shall mean automatic discontinuation from studies.
- (iv) The registration of PhD candidates shall be according to the following procedure: -
 - (b) With the help of the Department's postgraduate committee, the candidate submits a two-page statement (concept note) of the intended research topic to the relevant School/Institute. On the basis of the Department's recommendations, the School/ Institute will appoint (a) supervisor(s) to the candidate. Additional supervisor(s) may be appointed if necessary, but with the approval of the Senate Higher Degrees Committee (SHDC) upon submission of the recommendations by the School/Institute Higher Degrees Committee and a duly filled-in **MUHAS/PG.F9** for provisional registration.
 - (c) Within four months of admission and provisional registration into a PhD programme, the candidate shall present a comprehensive research proposal in a Departmental seminar for all (especially the Department's Postgraduate Committee) to review.
 - (d) Guidelines on the writing of the Research Proposal are detailed in

Appendix III. The proposal should not exceed 25 pages in length, typed in 12-point font and have double-spaced lines. Each member of the department's postgraduate committee shall be given a copy of the proposal for scrutiny at least seven days before the date of the seminar presentation.

- (e) If satisfied with the proposal's quality, the department shall submit the proposal for evaluation by the School's/Institute's Higher Degrees Research and Publication Committee (HDRPC), in the presence of the student.
- (f) If the School's/Institute HDRPC finds the proposal satisfactory, the proposal shall be submitted to the Director of Postgraduate Studies, who will forward it to the Director of Research and Publications for ethical clearance.
- (g) The ethically approved proposal shall be submitted to SHDC, which will receive, discuss and recommend to the Senate for full PhD registration. The candidate must fill form **MUHAS/PG.F10**.
- (h) The maximum period for the submission of the proposal is **six** months.
- (i) After this period, the provisional registration will be withdrawn, and the candidate shall have to submit a fresh application.
- (j) Extension of the period of maximum submission may be allowed on recommendation of the relevant School Board and Senate Higher Degrees Committee and approved by the Senate.
- (v) A candidate registered for the PhD degree programme shall be required to do formal short courses appropriate to his/her field of study, as proposed by his/her supervisor(s) and approved by SHDC prior to full registration. A minimum of thirty credit points must be achieved before the PhD award.
- (vi) A candidate registered for the PhD degree programme shall be required to attend and present a paper in at least two national and two regional/international scientific conferences.
- (vii) The appointed supervisor(s) shall guide the candidate in his/her research and shall submit periodic reports (twice a year) on the candidate's progress (Form **MUHAS/PG.F11**). (Guidelines to postgraduate student supervisors are detailed in Chapter 4).

All correspondence about admission issues or enquiries should be addressed to:

**Deputy Vice Chancellor – Academic (DVC-A),
Muhimbili University of Health and Allied Sciences
P.O. Box 65001,
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E-mail: dvca@muhas.ac.tz
Tel.: +255 22 2150302-6 ext. 1235
Direct: +255 22 2150473**

1.7 GENERAL UNIVERSITY EXAMINATION REGULATIONS

1.7.1 Regulations for registration of students

- (i) Registration and payment to the University of all required or prescribed fees by a candidate for a course of study shall be deemed as adequate registration for the requisite examinations in the particular course of study.
- (ii) Fees paid will not be refunded except under exceptional circumstances as deemed by the University Management.
- (iv) All full-time students shall register at the beginning of each semester.
- (iv) Subject to approval by the Senate, the Board of each School and academic Institute shall make such internal examination regulations that are necessary for the proper conduct, management and administration of examinations in accordance with the specific requirements of a particular degree, diploma or other awards of the school or academic Institute, as the case may be.

1.7.2 Regulations for students' professional conduct

- i) Every student shall be required to behave professionally and pass Professionalism and Ethics in Health Science modules as offered in the respective programmes and also pass the professionalism competency domains as assessed in the various modules, courses or rotations in the program.
- ii) Professionalism will also include attention to the patient/client, appropriate patient care, upholding of ethical behavior while handling patients/clients, altruism, and adherence to the approved policies and guidelines including but

not limited to MUHAS dress code, zero tolerance to corruption, gender based violence, sexual exploitation, abuse and harassment. The following four principles shall be used to assess professionalism:

Excellence	Knowledge, Skills, and Commitment to exceed above ordinary standards. <i>Attendance and active participation in formal learning sessions</i>
Humanism	Respect for Seniors, Academia, Peers, and Ancillary Staff. Compassion, Empathy, Honesty and Integrity for the patient.
Accountability	Response to the needs of patients, the Healthcare system, Regulations, the Community and the Profession, beyond the call of duty.
Altruism	In the best interest of the patient, the Patient's needs should take precedence over one's own interests.

- (iii) A student whose performance in professionalism is unsatisfactory will be called for mentoring and remediation by a faculty committee appointed by the Head of the relevant Department during the course and at the end of the semester. Failure to improve after such mentoring and remediation meetings, at the end of the semester, will necessitate an intervention by an academic committee appointed by the Dean/Director of the respective School/Institute, comprising at least three (3) but not more than five

(5) Senior academic staff, to discuss the poor performance and unprofessional conduct with the candidate, warn him/her and inform them of the consequences of not improving in professionalism. If no improvement is achieved in performance, professional attitude and ethical conduct after the warning, by the academic committee, and the candidate's professional behaviour and performance in professionalism and ethics continue to be rated as unsatisfactory, shall be recommended for discontinuation from studies by the Senate through the School/Institute Board at any point during the study period

- (iv) Any student whose behaviour is considered to be unprofessional or lacks professionalism at any time shall be discontinued from studies by the disciplinary authority without any FURTHER enquiry.

1.7.3 Eligibility for Examinations

- (i) The Dean of a School or the Director of an Academic Institute may bar any candidate from being admitted to any examination in any subject or course where the Dean or Director is not satisfied that the candidate has completed satisfactorily by attendance and otherwise the requirements of the subject or course. A student who misses 10% or more of the teaching time per course module/modular course will be barred from sitting for the respective examination.
- (ii) A candidate whose work or progress is considered unsatisfactory may be required by the Senate on the recommendation of the School Board or Institute Board, as the case may be, to withdraw from the University or to repeat any part of the course before admission to an examination.

NOTE: Specific regulations for each programme are outlined under the programme.

1.7.4 Absence from Examinations

A candidate who deliberately absents himself/herself from an examination or examinations without compelling reason(s) shall be discontinued from studies.

1.7.5 Board of Examiners

- (i) University Examinations shall be conducted by a Board of Examiners which shall consist of one or more examiners appointed from outside the Examination Unit, in conjunction with one or more of the teachers of the candidates in the courses under examination. An exception to this is that in the case of re-examining candidates who have failed in the ordinary University examination, all examiners may be appointed from within the University, provided that at least one of them has no part in teaching the courses under examination.
- (ii) Notwithstanding the provisions of sub-paragraph 1.7.5 (i), University examinations conducted during and/or at the end of the Module/Semester may be conducted by internal examiners only, provided that the results of such examinations shall be published in terms of regulation 1.7.11 (i)-(iii) at the end of each Semester.

- (iii) External Examiners shall be entitled to such honoraria, as the Council shall prescribe.

1.7.6 Form of Examination

- (i) In any examination a candidate may, at the discretion of the Board of Examiners, be required to attend an oral examination in addition to written and practical/clinical and other type of examinations depending on the appropriate method of assessment.
- (ii) The percentages of the total marks awarded for written, practical/clinical and oral examinations in any course shall be approved by the Senate on the recommendations of the appropriate School or Academic Institute Board and as described in this prospectus under each programme.

1.7.7 Dates of Examinations

- (i) End of semester examinations in all Schools and Academic Institutes shall be held at a time to be determined by the Senate, which shall normally be at the end of each semester, subject to such exceptions as Senate may allow upon recommendation by a School, or academic Institute Board, and the Senate Senate Higher Degrees Committee, as the case may be.
- (ii) Candidates who are referred and are required to do supplementary examinations in basic sciences shall be re-examined in the referred subjects in September / October of the same audit year. In most instances, supplementary examinations shall be done during the times specified under examination regulations for the specific programmes of study.
- (iii) A candidate who, for a grave cause, was unable to present himself/herself in the ordinary examinations may, with the special permission of the Senate, on recommendation of the School Board or the Academic Institute Board, present himself/herself for examination at a time fixed for any supplementary examination.
- (iv) Notwithstanding sections (i-iii) above, it is the duty of the department to ensure that there is a documented regular formative Assessment and Assessment of competencies using appropriate tools.

1.7.8 Conduct of Examinations

- (i) University examinations shall be conducted under the control of the DVC-A or such other officer of the University as the DVC-A may appoint.

- (ii) The Senate, in the manner it shall prescribe, shall appoint the examiners for University examinations.
- (iii) The DVC-A shall have the power to issue such instructions, notes or guidelines to candidates, invigilators and examiners of University examinations, as he/she shall deem appropriate for the proper, efficient and effective conduct of such examinations.
- (iv) The instruction notes or guidelines issued by the DVC-A under the regulation 1.7.8 (iii) shall form part of and be as binding as these Regulations.

1.7.9 Appointment of External Examiners and Moderators

The primary purpose of inviting examiners from outside the institution or department is to enhance the entire assessment process, including examinations, and ensure they meet the required quality and minimum standards. Their role is not to actively mark examinations. Appointment of External Examiners (External Moderators) and Internal Moderators shall be done by the University Senate on the recommendation of the School/Academic Institute Board and the Senate Higher Degrees Committee.

- (i) External Examiners must be: -
 - (a) Senior University Faculty of the rank of Senior Lecturer and above.
 - (b) External to the University (another University in or outside Tanzania)
 - (c) Expert in the course/subject to be examined.
- (d) Active researchers, with at least 3 publications within the last three years.
- (ii) The tenure of appointed External Examiners is three consecutive years. Renewal may be done three years after the last period of serving as an External examiner at the University.
- (iii) Departments must ensure that the External Examiners' Assessment of students in their courses is done at least once in an audit year.
- (iv) Appointment of Moderators internal to the university will only be considered when external examiners cannot be engaged for valid reasons. Moderators should be: -
 - (a) Senior University Faculty of the rank of Senior Lecturer and above
 - (b) External to the Department
 - (c) Expert in the course/subject to be examined or a related course
- (d) Active researchers, with at least 3 publications within the last three years.

- (v) External examiners and moderators' guidelines shall be similar. These shall be provided by the office of DVC-A and appended to the appointing letter.
- (vi) After completion of their assessment, the external examiners and moderators shall immediately forward their reports to the DVC–A and copies to the Vice Chancellor and Dean/Director of the Institute under confidential cover. The Dean of the School or Director of the Institute shall then request the Department to discuss the report and provide reactions to the comments made.

1.7.10 Examination Irregularities

- (i) All cases of alleged examination irregularities, including alleged unauthorized absence from examination, possession of unauthorized material in the examination room, causing disturbances in or near any examination room and any form of or kind of dishonesty, destruction or falsification of any evidence of irregularity or cheating in examination, shall be reported to the Senate Higher Degrees Committee as the case may be, which shall have power to summon the students and members of staff of the University, as it deems necessary and make decisions, subject to confirmation by Senate.
- (ii) No unauthorised material shall be allowed into the examination room. Exchange of any material without permission from the invigilator or one student assisting another student will be considered an offence and may lead to discontinuation from the studies. Unauthorised materials include papers, written notes (on paper or on any part of the body), books, cell phones or any other digital media, which can transmit information during examination or
- (iii) test except where such materials are allowed for digital/online examinations.
- (iv) All the online examinations that will be counted/graded towards a degree award must be conducted physically at examination venues/halls approved by MUHAS and should be under the official supervision of course facilitators, ICT personnel and other invigilators from the University. It is prohibited to conduct the summative assessments remotely online. Laptop/desktop computers are the only electronic devices strictly permitted for summative assessments, ensuring uniformity and facilitating effective invigilation throughout the examination. It is highly recommended that online examinations should be well secured with a strong passwords and IP addresses. Online examinations must be conducted in Safe Exam Browser (SEB) whereby all laptops and desktop computers meeting the minimum

hardware specification's must be preconfigured with SEB.

- (v) In case of online examinations, the following are inexhaustive examination irregularities that are applicable during online examinations;
- Failure to comply with instructions provided by the invigilator.
 - Logging in and accessing the examination through multiple devices.
 - Logging in the examination outside of the designated examination venue.
 - Sharing examination passwords with anyone else outside the examination room.
 - Possessing any additional electronic device and other unauthorized materials in the examination room.
- (vi) Subject to confirmation by the Senate, any candidate found guilty of bringing unauthorised material into the examination room in any part of the examination process shall be deemed to have committed an examination irregularity and shall be discontinued forthwith from studies at the University.
- (vii) Any candidate found guilty of cheating in relation to any part of the examination process shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.
- (viii) Any candidate found guilty of causing disturbance in or near any examination room shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.
- (ix) Any candidate found guilty of the commission of an examination irregularity and is aggrieved by the decision may appeal to the Senate in accordance with the provisions of regulation 1.7.18 of these Regulations.
- (x) In this regulation:
- (a) "Unauthorized material" includes materials such as, but not limited to, any written, printed material or electronic gadget such as cellular or mobile phones, radios, radio cassette or other types of cassette players, computers, word or data processing digital instruments, soft

and alcoholic drinks and any other material as may be specified from time to time by the DVC-A, the Dean of a School, Director of an Academic Institute or a Head of an Academic Department.

- (b) “Unauthorised absence from examination” includes going out of the examination room, temporarily or otherwise, or staying out of the examination room for an unduly long period, without authorisation or permission of the invigilator or one of the invigilators for the examination in question.
 - (c) “Cheating in an examination” includes any form or kind of dishonesty or destruction or falsification of any evidence of irregularity.
- (xi) The Senate may impose such a lesser penalty on a candidate found guilty of the commission of an examination irregularity, depending on the gravity of the facts or circumstances constituting the offence, as the Senate may deem appropriate.

1.7.11 Publication of Results

- (i) The provisional results of candidates in every examination, arranged in a manner as prescribed by Senate or, in that regard, as provided under internal examination regulations of the relevant College / School or Academic Institute approved by Senate and not in conflict with these Regulations, shall be published by the Principal / Dean / Director, but the results shall not be regarded as final until they are approved by Senate.
- (ii) Examination results having been recommended by the School or an Academic Institute Board to the Senate Higher Degrees Committee, as the case may be, shall make recommendations on the results and submit them to the Senate for approval.
- (iii) The Senate shall confirm the results of examinations for both Semesters at a time to be determined by the Senate, which shall normally be at the end of the Second Semester of each audit year.

1.7.12 Progress at the End of Audit Year

- (i) Candidates are required to have attained a minimum GPA of 2.4 before proceeding to the following year of study. Candidates attaining a GPA below 2.4 in the audit year shall be discontinued from studies regardless the year of study.
- (ii) A candidate who passes the examination with a B grade or higher will be declared to have passed the examination.
- (iii) A candidate who scores a GPA of 2.4 or higher, but fails in 3 courses or fewer at the end of the audit year, shall be required to supplement in the failed modules in the course(s).
- (iv) A candidate who scores a GPA of 2.4 or higher, but fails in more than 3 Courses shall be discontinued from studies.
- (v) A candidate may be allowed to sit for a second supplementary examination in failed course(s) if he or she has attained a GPA of 2.7 or above.
- (vi) A candidate who fails the second supplementary examination in semesters 1 - 2 for one or two-year programmes, and semesters 1 - 4 for three-year or four-year programmes shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (vii) A candidate who fails the second supplementary examination in semesters

3-4 for two-year programmes, semesters 5-6 for three-year programmes and semesters 7-8 for four-year programmes shall be allowed to supplement the failed courses/modules/modular courses after semester four, six and eight for two-year, three-year and four-year programmes, respectively, provided the maximum tenure is not exceeded.

- (viii) A student who passes a supplementary examination at any level shall be awarded a “B” grade.
- (ix) No candidate shall be allowed to repeat any year of study on academic grounds, except with special permission or approval of the Senate upon recommendation of a School or Academic Institute Board and the Senate Higher Degree Committee, as the case may be.

1.7.13 Award

- (i) The Board of Examiners in a School or Academic Institute, upon its satisfaction that the standard required under relevant regulations for the award of a degree has been attained by a candidate in University examinations applicable to him/her, may recommend to Senate through the relevant Board of a School or Academic Institute that such degree be conferred upon or granted to such successful candidate.
- (ii) The Senate may confer degrees or other awards of the University to candidates who satisfy the relevant requirements and are recommended for such conferment or grant by the Board of Examiners in a School or Academic Institute.

1.7.14 Aegrotat Degrees

Candidates who have completed their course of study but have been absent, through illness, from part of the final examination for the degree, may apply to the University for the award of an aegrotat degree, in accordance with the following regulations: -

- (i) Candidates who have completed such portion of the examination as shall be determined by the School or Academic Institute Board are eligible to apply for an aegrotat degree.
- (ii) Applications from, or on behalf of, candidates must reach the office of the DVC-A through the Dean of the School or Director of an Academic Institute within the period of the examination, and should be accompanied by a report obtained from the Medical Officer approved by the University.

- (iii) An aegrotat degree will not be awarded unless the examiners consider that, in the work he/she attended, the candidate reached a standard, which if also reached in the remainder of the examination should have qualified him/her for the award of the degree PROVIDED that only candidates who completed successfully the whole of their course work and at least 80% of the final written examination are eligible to apply for an aegrotat degree.
- (iv) An aegrotat degree candidate shall not be eligible for the award of a honours degree.
- (v) Holders of an aegrotat degree are not permitted to re-enter for the same examination, but may apply for permission to proceed to a higher degree on complying with the regulations for registration for such a degree.

1.7.15 Posthumous awards

A posthumous award may be awarded to a student who has died before graduation but after qualifying for the award of a degree in any academic programme at the University. It is given by the University to acknowledge that, had death not occurred, the student, who had fulfilled the requisite criteria, would have been entitled to receive the respective academic award. Decision for posthumous award, therefore, is made with due attention to academic and institutional integrity, and accordingly, such awards will be given in line with the following regulations: -

Criteria for award

A postgraduate degree or diploma may be awarded posthumously if:

- (i) At the time of death, the student was enrolled in one of the academic programmes at the University;
- (ii) The student was in good academic standing and successfully completed all requirements for the degree or diploma to be awarded;
- (iii) A favourable recommendation for award of the degree or diploma is made by the student's School or Academic Institute Board, as the case may be, and the Senate Higher Degrees Committee; and
- (iv) The Senate approves the award.
- (v) The academic transcript shall be marked "Degree conferred posthumously" and placed in the student's file. The transcript shall not be released.

Conferral of a Posthumous Award

- (i) A posthumous degree will customarily be conferred at the regularly scheduled graduation ceremony in absentia or in the presence of a member of the student's family or their representative.
- (ii) During presentation of the graduand's name, it will be mentioned that a posthumous award will be presented to him/her.

1.7.16 Certificates, Certification and Transcripts

- (i) The Senate shall issue certificates for degrees, diplomas or other awards to such candidates as shall be declared to have satisfied the appropriate Board of Examiners and shall have been recommended to and approved by the Senate for the conferment or grant of such a degree.
- (ii) A fee of TZS 50,000/= per copy for Tanzanian students or USD 50: - payable by telegraphic transfer for foreign students, or such other sum as the Senate may from time to time prescribe, shall be charged for certifying each copy of a degree/diploma certificate.
- (iii) Upon application for a transcript, a student or former student shall be given a transcript of his/her academic performance record and charged a fee of TZS 30,000/= in respect of Tanzanian students or USD 30: - by telegraphic transfer for foreign students, or such other sum as the Senate may from time to time prescribe. Any finalist student desirous of obtaining a transcript shall submit to the office of the DVC-A an application for a transcript; a clearance form and one coloured passport size photograph for the preparation of the transcript.
- (iv) Certificate and transcripts shall be issued to the respective former student in person. In the event that the former student is unavailable and wishes to entrust another person to collect his/her certificate and/or transcript on behalf, the collector must present a duly filled Power of Attorney that legally authorizes the agreement.
- (v) No academic record or transcript shall be issued to a student who is deregistered or discontinued from studies on academic, disciplinary or abscondment grounds.

1.7.17 Loss of Certificate

In case of loss or total or partial destruction of the original certificate or a copy thereof, the University (Office of the DVC-A or such other office as the DVC-A

may authorise in writing) may issue a copy or another copy on condition that: -

- (i) The applicant produces a sworn-in affidavit.
- (ii) The certificate so issued shall be marked “**COPY**” across it.
- (iii) The replacement certificate will not be issued until a period of 12 months from the date of such loss has elapsed; except that such replacement may be issued within a shorter period where there has been partial destruction of the original certificate or of a copy thereof.
- (iv) The applicant must produce evidence that the loss has been adequately publicly announced with a view to its recovery in an officially recognised form or manner in the applicant’s home country or where the loss is believed to have taken place.
- (v) A fee of TZS 50,000.00 in respect of Tanzanian students or USD 50: -paid by telegraphic transfer in respect of foreign students, or such other fee as may be prescribed from time to time by Senate, shall be charged for the copy of the certificate issued.

1.7.18 Appeals

- (i) Except where unfair marking, wrongful computation of marks or grades or others like irregularity committed in the conduct of any University examination is alleged, no appeal shall lie in respect of any such examination on any other ground except under special considerations as approved by the Senate.
- (ii) Any student or candidate aggrieved by a decision of the Senate Higher Degrees Committee in terms of the provisions of regulation 1.7.10 (viii) may appeal to the Senate for reversal or moderation of the decision of the Committee.
- (iii) Any appeals made under regulation 1.7.18 (i) shall be lodged with the Board of the appellant’s School or Academic Institute, which shall forward the appeal with observations to the Senate Higher Degrees Committee, whose observations and recommendations will be forwarded to the Senate for approval.
- (iv) Any member of the appellant’s School or Academic Institute Board who participated in the making of the decision against which the appeal is lodged shall not have a voting right in the Senate over such an appeal and may participate therein only in terms of presentation of findings and recommendation of the appellant’s School or Academic Institute Board, or

answering queries, as the case may be, and shall otherwise be absent from the Senate session considering any such appeal.

- (v) Appeals made under regulation 1.7.18 (ii) shall be lodged directly with the DVC-A who shall forward them to the Senate with observations and recommendations thereon.
- (vi) Any person who has been involved at any stage in the processing of a case of alleged commission of an examination irregularity, whether at first instance or in preparation for the appeal, shall be barred from participation in the making of a decision over such a case, except for purposes of making a presentation of findings or recommendations or answering queries, as the case may be, in respect thereof and shall otherwise be absent from the Senate session considering any such appeal.
- (vii) No appeal pertaining to the conduct of any University examination and the marking of scripts thereof shall be entertained unless an appeal is lodged with the appropriate University authorities in accordance with these regulations within **one** year from the date of publication of the results by or under the authority of the Senate.

1.7.19 Appeal Fee

- (i) All appeals shall be accompanied by a non-refundable appeal fee of one hundred thousand shillings (TZS 100,000/=) in respect of Tanzanian students or one hundred dollars (USD 100.00) by Money Order in respect of foreign students.
- (ii) The same rates or any other rates as approved by the relevant organs shall be charged for any further appeal decisions.

1.7.20 Disposal of Examination answer books and other scripts

- (i) Unless otherwise retained by the University Library for archival purposes, all used examination answer books/scripts shall be destroyed after the expiry of thirteen (13) months following the final decision of the Senate on the examination concerned. Examination results in electronic form shall be stored indefinitely in the Students Academic Record Information System (SARIS).
- (ii) Heads of Departments concerned shall, with respect to examination answer books/scripts falling under their departments: -
 - (a) Create and maintain adequate records of actions and transactions

affecting examination answer books/scripts to ensure that those records are properly maintained while waiting for any appeal or final disposal;

- (b) Initiate the disposal procedures of those examination answer books/scripts for which there is no further need;
 - (c) Initiate immediate disposal of used examination answer books/scripts that have been stored by their departments for more than 13 months following respective Senate decision;
 - (d) Identify and safeguard those examination answer books/scripts which are of enduring value and which should be preserved as archives and made available to the Library for research and public consultation;
 - (e) Assist the University Library in selecting examination answer books/scripts designated for archiving purposes;
 - (f) Seek expertise presumably from the University Library to assist in the sampling of answer books/scripts earmarked for archiving;
 - (g) Designate a place or room as a storage area for examination answers
books/scripts awaiting appeals or final disposal;
 - (h) Store and retain course assignments for at least thirteen (13) months after completion of an examination concerned so that students are furnished with a reasonable opportunity to obtain access;
 - (i) Witness and keep close control over the final disposal of examination answer books/scripts to ensure the confidential nature of the contents of the answer books/scripts remains inviolate.
- (iii) Pending final disposal, Heads of Departments shall ensure all information contained in examination answer books/scripts remains inviolate and is protected from misuse or abuse: -
- (a) Respective School or Academic Institute Boards shall be responsible for prescribing under their special regulations clear guidelines for returning to the students graded courses, assignments, course essays, semester papers and timed essays.
 - (b) Unless otherwise retained for archival purposes, Departments shall also initiate the final disposal of such other examination scripts as essays, objective question papers, laboratory works, models, studio papers or drawings that have been in retention or storage for the

previous thirteen (13) months.

- (c) The DVC-A shall cause to be prepared a disposal and storage budget and designate the cartons of various sizes or descriptions, which shall be used by Heads of Departments for thirteen (13) months storage of examination answer books/scripts pending final disposal.
- (d) The cartons prescribed under sub-paragraph iii (c) above shall be so marked or labelled as to facilitate identification of the course, examination date, date of Senate decision, course coordinator and date when final disposal shall be due.
- (iv) The University Library shall keep and maintain in any format, including electronic, all answer books/scripts selected by Departments and sent to the Library for archival purposes, where necessary.
- (v) The DVC-A shall select and announce at the end of each academic year the best available practice in disposing of the examination answer books/scripts due for disposal, as a reminder to Schools/Institutes and Departments.
- (vi) Depending on the pertaining circumstances as the privacy of information contained, the cost involved and environmental considerations, the DVC-A may, with respect to any batch due for disposal, direct: -
 - (a) The disposal by shredding and then disposing of the shreds by either burning or selling to companies for recycling; or
 - (b) Used examination papers shall be entirely burnt to completion.
- (vii) The DVC-A, on recommendation of the Deans shall be the principal executive officer responsible for ordering final disposal of any batch of examination answer books/scripts.
- (viii) Heads of Departments shall witness the final disposal of the itemised examination answer books/scripts.
- (viii) After disposal of the scripts, there shall be a written report from the head of department describing the method and process used for disposal. The report from the Heads of Departments shall be forwarded to DVC-A through the respective Deans. The disposal of examination answer books/scripts shall also include all copies of the appropriate mark sheets and a list of students who sat for the examination in question.

- (ix) Electronic examination records/scripts shall be archived in the e-Learning system for five years and follow the regulations regarding archiving and disposal of university documents.

1.8 INSTRUCTIONS TO CANDIDATES

These instructions shall be read together with the above University regulations: -

- (i) Candidates should make sure that they have been issued with Examination Numbers before Examinations begin.
- (ii) Candidates must acquaint themselves with the seating arrangement for their respective examinations in advance.
- (iii) Candidates are advised to be at the examination centre at least fifteen minutes before the commencement of the examinations.
- (iv) Candidates will be admitted by the invigilator to the examination room ten minutes before the time the examination is due to begin. Examination papers shall be issued after all the candidates are seated in the examination room. They must not begin writing until instructed to do so by the Senior Invigilator. Where large numbers of candidates are affected, invigilators may admit candidates to the examination room fifteen minutes in advance. During these ten minutes, the Senior Invigilator will: -
 - (a) Make an announcement to the effect that all unauthorised materials should be removed from the examination room;
 - (b) Make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper;
 - (c) Call attention to any rubric at the head of the paper, which seems to require attention;
 - (d) Announce that both sides of the paper must be used. He/she will then tell students when they may begin writing. Candidates will be given five minutes to read the paper.
- (v) Candidates are permitted to do rough work on the left-hand part of the scripts on the understanding that this is crossed through at the end of the examination.
- (vi) In case the examination is an online examination, all candidates eligible for the respective examination should be seated in the venue at least 30 minutes

before the examination begins. The students should have a preconfigured laptop suitable for e-Learning examination that meets the minimum specifications as stated in the joining instructions. Any other electronic device will be considered as prohibited material. During these 30 minutes the Senior Invigilator will:-

- a) Make an announcement to the effect that all unauthorized materials should be removed from the examination room (eg. Mobile phones, tablets, smart watches and smart glasses)
 - b) Work with the ICT personnel to ensure functional internet connectivity, and issuance of the internet Wi-Fi password.
 - c) Announce that an ICT technician shall be present during the examination to give any technical assistance when needed.
 - d) Inform the candidates that in case of genuine gadget or internet failure this should be promptly communicated to the invigilators, and the time lost in resolving the issues shall be compensated accordingly.
- (vii) In case the examination is held in one of the venues containing devices specifically designated for online examinations (computer laboratory), any additional electronic device in possession of the examinee will be considered as prohibited material.
- (viii) No books, bags, or attaché cases may be taken by candidates into the room. Candidates are generally not permitted to use their own logarithmic tables. The candidate's attention is specifically drawn to General University Examination Regulation No. 1.7.10 (i-iii).
- (ix) Once a student is found with unauthorised materials, he/she should sign the materials to confirm they are his or hers.
- (x) No candidate will be permitted to enter the examination room after the lapse of thirty minutes from the commencement of the examination, and no candidate will be permitted to leave the examination room until thirty minutes have expired. No candidate shall be allowed to move out of the examination room during the last 10 minutes of the examination.
- (xi) At the end of the examination period, and on instructions from the Invigilator, candidates must stop writing and assemble their scripts, which they should personally hand to the invigilator unless instructed otherwise. Candidates must remain seated till the Invigilator tells them to leave the room. Apart from the examination question paper, candidates are not

allowed to take any examination material out of the examination room.

- (xii) Mobile phones, computers, word-processing electronics devices and anything of that nature are prohibited from the examination room unless circumstances as stipulated under Section 1.7.10 (ii) of Examination Regulations apply.

1.9 NOTES TO INVIGILATORS

1.9.1 Procedure for non-digital written Examination

Before the Examination:

- (i) Invigilation of university examinations is one of the duties and responsibilities of all University faculty. Every academic staff member may therefore be assigned to invigilate an examination.
- (ii) Invigilators should be present in the examination room at least twenty minutes before the commencement of the examination. In case of online examinations, invigilators must be present 30 minutes before the commencement of the examination.

- (iii) Invigilators will be provided with the following items by the school

Examinations Officer: -

- (a) The question papers to be attempted by candidates. *Sealed* envelopes containing question papers *must* be personally collected by each invigilator from the said Examinations Officer *at least twenty minutes* before the examination. All *invigilators* who have reported to the Examinations Officer within this period should immediately go to their respective examination rooms.
 - (b) A list showing the names of the papers to be attempted in the room. (This will be distributed to invigilators in advance.)
- (iv) Invigilators must ensure that ONLY ONE answer book is provided for each candidate unless the rubric on the question paper requires otherwise. The answer book must be filled before any additional paper is provided.
- (v) Question papers and any other material prescribed in the rubric (e.g. log tables, charts, etc.) should be set out by the invigilator with the help of the Internal Examiner.
- (vi) Bags, books, attaché cases, papers and other related items should be left outside the examination room.
- (vii) Invigilators should admit candidates to the examination room ten minutes before the commencement of the examination, and they should ensure that they take their right places. Handbags, books and other similar articles must be deposited with the invigilator before the candidate is permitted to go to his/her place (where big numbers of candidates are involved, invigilators

may admit candidates to the examination room fifteen minutes in advance). During these ten minutes, the invigilator shall: -

- (a) Make an announcement to the effect that unauthorised materials are not allowed in the examination room,
- (b) Make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper,
- (c) Call attention to any rubric at the head of the paper, which seems to require attention;
- (d) Announce that, where this is practicable, both sides of the paper must be used. He/she shall then tell students when they may begin writing.

Candidates will normally be allowed five minutes to read the paper.

(viii) In case the examination is an online examination, all candidates eligible for the respective examination should be seated in the venue at least 30 minutes before the examination begins. The students should have a preconfigured laptop suitable for e-Learning examination that meets the minimum specifications as stated in the joining instructions. Any other electronic device will be considered as prohibited material. During these 30 minutes the Senior Invigilator will:-

- a) Make an announcement to the effect that all unauthorized materials should be removed from the examination room (eg. Mobile phones, tablets, smart watches and smart glasses)
- b) Work with the ICT personnel to ensure functional internet connectivity, and issuance of the internet Wi-Fi password.
- c) Announce that an ICT technician shall be present during the examination to give any technical assistance when needed.
- d) Inform the candidates that in case of genuine gadget or internet failure this should be promptly communicated to the invigilators, and the time lost in resolving the issues shall be compensated accordingly.

(ix) In case the examination is held in one of the venues containing devices specifically designated for online examinations (computer laboratory), any additional electronic device in possession of the examinee will be considered as prohibited material.

- (x) Invigilators should not admit candidates to the examination room after half an hour from the commencement of the examination and should not permit them to leave the room until thirty minutes have expired.

During the Examination

- (i) At the commencement of the examination, invigilators should remind candidates to ensure that they are attempting the right examination.
- (ii) At the end of the first half hour, the total numbers present should be noted down. Invigilators should then collect the blank answer books from all vacant places. The Invigilator shall return spare question papers to the correct envelopes for collection.
- (iii) During the examination, invigilators should ensure that candidates are provided with any additional requirements (e.g. scripts, blotting-paper, log-tables, etc.). Candidates may be permitted to do rough work on the left-hand pages of the script on the understanding that this is crossed out after the end of the examination. No candidate should be permitted to leave his/her place during the examination except to leave the examination room.
- (iv) A candidate who contravenes the regulations and instructions governing the examinations, especially by unfair practices such as copying from or communicating with other candidates, shall be reported immediately to the Examinations Officer.
- (v) Once a student is found with unauthorised materials, the invigilator should ask the student to sign the materials to confirm that they are his/hers.
- (vi) The candidate shall be informed that he/she has contravened the regulations and that he/she has been reported, but shall not be prevented from continuing with his/her paper. A written report must be sent to the Examinations Officer, including full details of the contravention. It is part of the invigilator's duty to move about the examination room as quietly as possible at frequent intervals.

At the End of the Examination

- (i) Invigilators shall not permit candidates to leave their places before their scripts have been collected. Candidates who wish to leave the examination room before the end of the examination shall hand over their scripts to the invigilator before leaving the examination room.

- (ii) For online examinations, candidates shall only be permitted to leave the examination room after presenting/showing the invigilator the successful submission summary.
- (iii) No candidate shall leave the examination room during the last ten minutes of the time allocated for the examination except in case of emergency. At the end of the examination period, invigilators shall instruct the candidates to stop writing and then collect all the scripts.

- (iv) Invigilators shall enter the number of examination scripts collected from the candidate on the attendance sheet provided by the Examination Officer at the time of collecting the examination papers.
- (v) Invigilators shall sign the said attendance sheet before they hand over all the scripts to the Internal Examiners (or their deputies) who must be present in the examination room at the end of the examination. Where invigilators are also internal Examiners, there should be no problem with the collection of scripts. Upon receipt of the scripts, Internal Examiners will review them and countersign the collection form. The attendance sheets must be handed to the Examinations Officer at the end of each session.
- (vi) Invigilators shall hand over all extra examination papers to the Head of the relevant Department.

1.9.2 Procedure for digital/online Examinations

For digital (online) examinations, instructions and conditions will be provided by the examiners/invigilators before starting the examinations.

1.9.3 General Procedures during Examinations

- (i) Internal Examiners (or their deputies) are required to attend in the examination rooms at the commencement of each period to assist the invigilators and to collect the scripts. Instructions, which the examiners (or their deputies) may wish to be given, should be announced by the invigilators.
- (ii) Cases of illness should be reported to the Examinations Officers as soon as possible.
- (iii) Invigilators shall have the power to confiscate any unauthorised book, manuscript, or other aid brought into the examination room and to expel from the examination room any candidate who creates a disturbance. They shall report to the Examinations Officer any case of a candidate suspected of giving or obtaining unauthorised assistance or of attempting to do so, and that officer shall have power to take any further steps he/she may consider necessary. He/she shall then report the matter to the DVC-A.
- (iv) “Examinations Officer” includes the Examination Officer’s deputies.

1.9.4 Special Examination regulations for postgraduate programmes

- (i) General University Regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) All modules or modular 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.
- (iii) There shall be at least two Continuous Assessment Tests (CAT) for each module/modular course or rotation taught during semester one, and at least one CAT in each of semesters 2-6 and regular assessment of competencies. These shall form the Formative Assessment (FA).
- (iv) The FA in semesters 2-6 shall consist of evaluation of clinical and other competency domains using appropriate tools in addition to written examinations.
- (v) The FA shall contribute 50% of the final grade at the end of the module/modular course/rotation Summative Assessment (SA).
- (vi) The SA for semesters 2-6 shall consist of written, practical/clinical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively.
- (vii) To pass a course, a candidate has to attain a B grade (greater than or equal to 60%) or higher.
- (viii) Decision-making on failing students in basic science courses shall be determined at the end of the audit year, unless a student has failed more than 3 courses in the first semester, who will be discontinued as per the regulation 1.9.4 (ix) below.
- (ix) No candidate shall be allowed to sit for a supplementary examination in more than three failed courses in any given academic year, irrespective of GPA, and shall be discontinued from studies.
- (x) A candidate who fails all courses in a programme with at least three courses in an audit year shall be discontinued from the studies, irrespective of the GPA.

- (xi) A candidate who fails any number of modules/rotations and has an annual GPA of less than 2.4 shall be discontinued from studies regardless year of study.
- (xii) A candidate who fails the second supplementary examination in semesters 1 - 2 for one- or two-year programmes, and semesters 1 - 4 for three- or four-year programmes shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xiii) A candidate who fails the second supplementary examination in semesters 3-4 for two-year programmes and semesters 5-6 for three-year programmes and 7-8 for four-year programmes shall be allowed to supplement the failed courses/modules/modular courses after semester four, six and eight for two-year, three-year and four-year programmes, respectively, provided the maximum tenure is not exceeded.
- (xiv) A candidate who fails a clinical rotation should acquire relevant clinical skills of the failed clinical subject and appear for supplementary examinations in March of the subsequent audit year, provided the maximum tenure is not exceeded. Special consideration will be made for a candidate whose maximum tenure is ending.
- (xv) To pass the end of modules/modular course examinations in semesters 2-8 the written and clinical/practical parts have to be passed separately.
- (xvi) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xvii) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School/Institute Board and approved by the Senate.
- (xvii) A student shall be awarded the Master degree after passing all examinations in the prescribed modules and courses in the programme and submitting an error free dissertation.
- (xviii) For all programmes the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.

1.9.5 Regulations on Postgraduate dissertations

- (i) The dissertation shall consist of one research topic. This will be determined by the candidate and approved by the department.

- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean/Director of the School/Institute at least three months before the beginning of the last Semester University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for that examination. The candidate shall be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for the degree allows.
- (iii) Oral defense of the dissertation shall be done during the end of last semester University examinations.
- (iv) A candidate, having passed all examinations, shall be required to submit error-free dissertation within one month (in case of categories EXCELLENT and VERY GOOD) or three months (in the case of category GOOD).
- (v) Dissertations categorized as MARGINAL FAIL/MAJOR CORRECTION should be re-submitted for re-examination within six months of Senate approval of results.
- (vi) A dissertation re-submitted after major corrections shall be re-examined by both internal and external examiners.
- (vii) In case of outright rejection of a dissertation, a candidate may submit another dissertation for examination after nine months provided the maximum tenure allows.
- (viii) Concurrent with the written dissertation, the candidate must also submit draft manuscript(s) from the dissertation. These will be further developed by the candidate in consultation with his/her supervisor towards publication(s).

1.10 BURSARIES AND FEES

At the beginning of the academic year, all students will be required to produce evidence of sponsorship by the Government or any other organisations; otherwise, they will be expected to pay full tuition and University fees for the full first year, by the beginning of the term/semester before they can be permitted to use the University facilities. All local payments for fees should be made through control numbers and paid directly into MUHAS' collection account or by Bankers' Cheque payable to MUHAS. Personal cheques are not accepted. The payer should then submit payment remittance advice to the Director of Finance for receipting. The tuition fees for the various programmes for Tanzanian students are indicated in Chapter Six. Foreign students' fees are under review and subject to change at any time; however, they are currently subject to a 50%

surcharge on top of the tuition fees for Tanzanian students.

1.11 STUDENT ADMINISTRATION AT MUHAS

- (i) The office of the Director of Student Services is responsible for the administration of student affairs, mainly personal and social welfare aspects of the students' lives. This office provides the following facilities:
- residence, games, sports, counselling and guidance.
- (ii) All official communication of the students to the Vice Chancellor should be passed through the Supervisor, the Head of the Department, the Dean/ Director of the School/ Academic Institute, the Director of Postgraduate Studies, and the Deputy Vice Chancellor – Academics. Communications to other levels must follow the same sequence as that level.
- (iii) Students requesting less than seven days to be out of the University but within Tanzania should channel their requests to the office of the Director of Postgraduate Studies. Those requesting more than 7 days should channel their request to the Deputy Vice Chancellor – Academics.
- (iv) Students requesting to be out of Tanzania should address their request to the Vice Chancellor.
- (v) Other information is provided in the Postgraduate regulations and guidelines.

1.12 THE UNIVERSITY LIBRARY

The University Library is the largest national collection of health/medical resources. Its main function is to provide library and documentation services to support health/medical services, research, teaching and consultancy at the University and Muhimbili National Hospital. However, the Library also serves other users from outside the two Muhimbili institutions on request. The MUHAS Library has four main divisions: Technical Services (Cataloguing and Classification); user services (Reference, Circulation, Information Desk and Special Reserve); Periodicals, documentation, and ICT services.

The collection primarily comprises books and periodicals related to medicine and health. The library has a rich collection of health and medical information materials, including government and research publications. It also includes electronic information resources, both offline and online, such as CD-ROMs, e-

resources, and Internet facilities that feature a range of electronic journals and health databases, including HINARI, PubMed, Cochrane, Blackwell, Wiley, and EBSCO-HOST.

The broad areas covered include Medicine, Nursing, Dentistry, Pharmacy, Public Health and Basic Sciences. Social Sciences and Humanities are also covered, to a lesser extent. The collection currently comprises over 67,681 information materials, including 32,808 book copies and 33,973 periodicals on various health-related disciplines. MUHAS ICT networks allow users to access a variety of reputable online journals. The Library also hosts a University e-learning computer lab, which accommodates a total of 166 computers for e-learning purposes. In line with that, it also extends its services to the East African Cardiovascular Centre of Excellence. The main Library is solar-powered and has 24-hour reading and discussion rooms.



Postgraduate students reading at the MUHAS Library

Opening hours

Non-vacation period

Monday – Saturday: 8.30 am – 6.30pm and 7.30pm-10.30 pm

Sunday and Public Holiday: Closed

Vacation Period

Monday – Saturday; 8.30 am- 6.30pm

Sundays and Public Holidays: Closed

24- Hours Reading Room

Open 24 hours including Sundays and Public Holidays.

1.13 UNIVERSITY ICT SERVICES

MUHAS by then MUCHS was the first institution in Tanzania to start using e-mail services. This entails that MUHAS harnesses and mainstreams information and communication technologies (ICT) into all its operational and management functions and ensures that new developments in ICT are embraced and used to promote the vision, mission and core functions of the University. The mandate of the Directorate of ICT (DICT) at MUHAS is development, management and maintenance of various ICT infrastructure, systems and services. DICT has four departments namely Systems and Network Administration, Customer Services, Training, Research and Development, and Management and Information Systems. The University has various ICT infrastructure, systems and services being managed by the DICT include local area network (LAN), telephone network, video conferencing systems, Internet services, email services, websites, and other application servers and management information systems. All these systems and infrastructure are managed in a state-of-art server room which is fitted with robust and reliable power systems (solar power back up system and inverters).

All MUHAS major building are connected using high speed fibre optic cables while internal connections are through structure UTP cables with a transmission speed of at least 100Mbps. The wired LAN is complemented by wireless hotspots around MUHAS and Chole campuses. Our Internet connection is connected to the high-speed national fibre optic backbone with the current bandwidth of 80 Mbps. Our telephone system is managed using digital PABX and structured telephone network which supports voice over IP (VOIP) technology. DICT offers technical support to staff and students in the use of the ICT systems and services.

The Directorate of ICT manages a number of electronic management information systems which has been implemented and used at MUHAS such as the Student

Academic Records Information System (SARIS), integrated financial management system (EPCOR), Human Capital Management System (HCMIS), e-learning management system (Moodle), integrated library information system (KOHA), institutional repository system (DSpace), Open Journal System and Dental Management Information System at MUHAS dental clinic. Majority of the systems are based on free and open-source systems thus servicing the University from paying a lot of money as license fees for proprietary systems.

DICT collaborates with the Directorate of Library Services to offer the Information Technologies (IT 100) course to all first year undergraduate and diploma students. DICT participates in training of health management information system modules for different postgraduate programmes. The directorate hosts ICT students on practical training from different Universities and training colleges within the country and from outside Tanzania. DICT participates in various research activities and consultancy services whereby members of academic staff have managed to publish a number of journal articles in international peer-reviewed journals and presented in both international and local scientific conferences.

To ensure proper usage of ICT facilities especially wireless internet services, students and staff must register their computers and other computing devices e.g. tablets and smart phones with DICT to deter the misuse of ICT facilities, which include inviting guests, friends and others to use wireless in campus, to use computers for huge downloads of songs, movies and illicit materials. There is also ICT policy including security guidelines which indicated prohibited use of ICT facilities.



MUHAS Students assisted by library staff in searching for information at the University library research support desk.

CHAPTER TWO:

CAMPUS COLLEGE OF MEDICINE

2.1 INTRODUCTION

The Campus College of Medicine was established in 2022. This campus college was upgraded from School of Medicine which started in 1963 as Dar es Salaam Medical School which was later transformed into faculty of Medicine under the University of Dar es Salaam and subsequently transformed to School of Medicine under MUHAS. The college has three schools; The School of Biomedical Sciences, The College with a total of 20 academic departments, offering **49** programs including medical specialization and sub-specialization in key medicine specialities.

The Campus College of Medicine has committed itself to responding to major national and global challenges, in the contexts of a changing social, economic and political environment, and a substantial increase of student intake.

The Mission and Vision of the Campus College of Medicine are aligned to the mission and vision of the University.

The functions of the Campus College and its activities are guided by the core components of the University mission, which are: -

- (i) To be directly engaged in the creation, transmission and evaluation of knowledge in medical sciences, laboratory and radiation therapy treatment technologies in the pursuit of excellence in academic scholarship and intellectual inquiry through teaching, research and provision of advisory and public medical related services.
- (ii) To provide a place of learning, education and research in medical, laboratory and radiation therapy treatment technology sciences and through this provide quality services commensurate with a good medical School.
- (iii) To provide the labor market in Tanzania and Eastern Africa, with highly competent medical professionals and technologists able to contribute effectively to prevention, treatment and management of the health-related problems of society. This is to be achieved through the prime principle of integrating research, teaching and advisory services in the immediate subject areas.

- (iv) To contribute to the intellectual and professional life of Tanzania and Eastern Africa and to act as a focal point for continuing professional development, research and services that are of interest to the people of Tanzania.

In terms of output delivery, the functions of the College can be stated as:

- (i) To provide post-graduate education in different specialties and superspecialties of medicine
- (ii) To support teaching of students/trainees from other Schools/Institutes at MUHAS as well as for stakeholders that are external to the University.
- (iii) To prepare and publish, in its own right, medical educational materials in various fields of the clinical, diagnostic and biomedical sciences.
- (iv) To conduct in its own right medical research and disseminate findings.
- (v) To carry out contracted medical research on behalf of third-party clients
- (vi) To carry out scientific educational, professional and technical consultancy services on behalf of third-party clients.
- (vii) To engage in cost containment and income generating ventures related to its outputs.
- (viii) To provide in Tanzania a place of learning, education and research in health sciences and through these provide medical services of the highest standard and quality required and expected of a university.

The Campus College of Medicine provides a highly dynamic environment for teaching and learning, research and service. Master Programmes have undergone major innovative methods for improving teaching and learning including the use of a State-of-the-Art High Fidelity Simulation Laboratory for Clinical teaching. Clinical staffs in the school provide services at the Muhimbili National Hospital, (Upanga and Mloganzila campuses), Muhimbili Orthopaedic Institute, Ocean Road Cancer Institute, Lugalo Military Hospital, the Bagamoyo Training Unit, within various outreach clinical service programmes, and collaborate with many institutions nationally and internationally. The Campus College has a research environment that enables the University to stay at the cutting edge of medical and related research. Faculty in the College has begun to utilize the field of Information Communication Technology (ICT) for E-learning to keep pace with developments in the field and disciplines of medicine nationally and globally. Since the world is increasingly becoming more like one village, the school has realized that health is a global issue; understanding of and solutions to global concerns such as HIV/AIDS, tuberculosis, avian flu, zika virus infection, injecting drug use, or the ravages of war cannot be confined to one country or even one continent. Therefore, there is need to ensure that students are conversant with

global perspectives of health and health care.

Considering our mission and vision, the Campus College in return expects that students undertake the programmes offered by the school with all enthusiasm, ethical conduct and professionalism and endeavour to become role models in their country. Competency based education introduced in the academic year 2011/12, shifts teaching and learning in the school to a new paradigm, to ensure our graduates develop appropriate competencies and be responsive to the societies they will serve upon completion of their studies. Below is a description of the competency-based education programmes.

2.2 PROGRAMMES

MASTER OF SCIENCE DEGREE PROGRAMMES

Master of Science in Human Anatomy Programme - MHM32

This is a four semester (two years) programme intended to train Anatomists.

Entry requirements

Holders of the MD, DDS, BSc Physiotherapy, BSc Prosthetics & Orthotics degrees with at least a B grade in Anatomy provided he/she has an overall GPA of 2.7 or higher from within the country and outside the country.

MSc Human Anatomy Degree Programme courses

Semester 1 year 1

Course Code	Name of the Course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AN 600.01	Gross and Radiological Anatomy	Core	2	60	10	35	243	350	35.0

BM 600	Molecular biology	Core	40	10	15	30	5	100	10.0
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
	Total		96	106	61	101	266	630	63.0

Semester 2 year 1

Course Code	Name of the Course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AN 600.02	Histology	Core	2	25	8	10	122	167	16.7
BM 603	Advanced Molecular biology	Core	5	100	20	30	25	180	18.0
HE 600	Educational principles and Practices for the Health Sciences Professionals	Core	30	20	20	20	10	100	10.0
AN 699.01	Proposal development and ethical approval	Core	2	11	19.5	35	40.5	108	10.8

BP 605	Concepts in bioinformatics	Elective	2	18	10	5	40	75	7.5
EC 600	Embalming and chemicals	Elective	2	18	10	5	40	75	7.5
	Total		41	174	77.5	100	237.5	630	63.0

Semester 1 year 2

Course Code	Name of the Course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AN 600.03	Embryology	Core	5	140	10	10	15	180	18.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
LM 600	Laboratory Management and leadership	Core	8	14	10	28	10	70	7.0
AN 699.02	Data collection and analysis	Core	5	50	52	11	142	260	26.0
	Total		39	228	94	84	185	630	63.0

Semester 2 year 2

Course Code	Name of the Course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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AN 600.04	Neuroanatomy	Core	5	75	10	30	60	180	18.0
An 699.03	Writing and submission	Core	52	121	52	104	121	450	45.0
	Total		57	196	62	134	181	630	63.0

Master of Science in Biochemistry and Molecular Biology - MHM112

This is a four semester (two years) programme whose main goal is to train and produce highly qualified and skilled Biochemists, with professional competence in teaching, research and consultancy in order to address the present human resource shortage in this profession.

Entry requirements

Holders of MD, DDS, BPharm, BSc RTT, BMLS, BSc in Biochemistry, Molecular Biology, Chemistry, Biology, Zoology, Biotechnology, Microbiology and other related degrees with a minimum grade of B in Biochemistry and a GPA of at least 2.7 from recognized universities.

MSc Biochemistry and Molecular Biology Degree Programme courses

Semester 1 year 1

Course Code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BM601	Cell biology and proteins	Core	2	100	5	15	58	180	18.0
ER600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE600	Bioethics	Core	18	12	12	12	6	60	6.0
BM602	Biochemical mechanism and pathways	Core	2	123	5	10	60	200	20.0
LM600	Laboratory Systems and Management	Core	8	14	10	28	10	70	7.0
	TOTAL HOURS		66	273	56	89	146	630	63

Semester 2 year 1

Course Code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BM603	Advanced Molecular Biology	Core	5	100	20	45	80	250	25.0
BM604	Molecular Immunology and Genetics	Core	2	88	10	40	60	200	20.0
HE600	Educational Principles and practices for health sciences professional	Core	30	20	20	20	10	100	10.0
BM699.1	Dissertation -1: Proposal Development and Presentation	Core	2	18	5	50	5	80	8.0
	TOTAL HOURS		39	226	55	155	155	630	63.0

Semester 1 year 2

Course Code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent (Hrs)	Study	Practical (Hrs)	Total (Hrs)	Credits
BM605.01	Advances in Biochemistry and Molecular Biology	Core	5	110	15	40		5	175	17.5
BP 605.02	Concepts in Bioinformatics	Core	20	5	5	25		20	75	7.5
BM699.2	Dissertation-2: Data Collection, Analysis and Report Writing	Core	5	40	5	40		110	200	20.0
BM 606	Genetic counselling	Elective	5	20	10	15		10	60	6.0
BM 607	Food and Nutrition Biochemistry	Elective	5	20	10	15		10	60	6.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35		18	120	12.0
	TOTAL HOURS		56	199	57	155		163	630	63.0

Semester 2 year 2

Course Code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BM605.02	Advances in Biochemistry and Molecular Biology	Core	10	110	15	35	5	175	17.5
BM699.3	Dissertation-3: Data analysis and report writing	Core	10	240	10	185	10	455	45.5
	TOTAL HOURS		20	350	25	220	15	630	63.0

Master of Science in Clinical Pharmacology and Precision Therapeutics Programme - MHM139

This is a four semester (two years) programme intended to train Clinical Pharmacologists.

Entry requirements

Holder of a Doctor of Medicine (MD) or Bachelor of Medicine and Surgery (MBChB) or Bachelor of Medicine, Bachelor of Surgery (MBBS), Doctor of Dental Surgery (DDS), Bachelor of Science in Pharmacology or Bachelor of Pharmacy (B. Pharm) with a minimum GPA of 2.7, and at least a 'B' grade or above in Clinical Pharmacology from a recognized university.

MSc Clinical Pharmacology and Precision Therapeutics Programme Courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CL601.01	Molecular Pharmacology	Core	2	48	4	14	10	78	7.8
CL601.02	Therapeutics	Core	3	61	3	8	2	77	7.7
EE 600	Bioethics	Core	6	18	6	18	12	60	6.0
ER 600	Principles of Epidemiology and Biostatistics	Core	6	64	10	22	18	120	12.0
PH 600	Clinical Physiology	Core	4	67	10	20	4	105	10.5
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
LM 600	Laboratory Management and Leadership	Core	8	14	10	28	10	70	7.0
Total			50	296	65	145	74	630	63.0

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical/ clinical /attachment (Hrs)	Total (Hrs)	Credits
CL602	Clinical Pharmacokinetics: Concepts, Principles, & Applications	Core	2	34	4	14	10	64	6.4
BM601	Advanced Molecular Biology	Core	18	56	18	36	54	182	18.2
HE600	Educational Principles and Practices for Health Professionals	Core	66	5	10	17	2	100	10.0
CL 603	Precision Therapeutics	Core	2	22	4	11	22	61	6.1
CL604.01	Monitoring Medication Effects in Patients	Core	2	12	6	10	72	102	10.2

CL699.01	Dissertation: Research Proposal Development & Ethical Approval	Core	2	10	6	98	5	121	12.1
Total			92	139	48	186	165	630	63.0

Semester 1 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical / clinical Attachment (Hrs)	Total (Hrs)	Credits
CL605	Experimental Pharmacology & Bioassays: Principles and applications	Core	2	53	4	6	21	86	8.6
CL 606	Clinical Trials & Pharmacoepidemiology	Core	2	48	4	6	21	81	8.1
CL604.02	Precision Therapeutics Practice	Core	2	12	6	10	72	102	10.2
CL699.02	Dissertation: Data Collection & Analysis	Core	2	4	10	260	10	286	28.6
CL607	Principles in Pharmacoeconomics	Elective	2	40	5	20	8	75	7.5

BP 605	Concepts in Bioinformatics	Elective	2	30	5	20	18	75	7.5
Total			12	187	34	322	150	630	63.0

Semester 2 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CL 604.03	Treatment Protocol & Guideline Management	core	2	32	6	44	100	184	18.4
CL699.03	Dissertation: Report Writing & Submission	Core	2	4	10	420	10	446	44.6
Total			4	36	16	464	110	630	63.0

Master of Science in Applied Medical and Exercise Physiology Programme - MHM43

This is the four-semester course whose aim is to train and produce highly qualified and skilled medical and exercise Physiologists with professional competence in teaching, research and consultancy in order to address the current acute shortage of human resource in this profession..

Entry requirements

A holder of the MD, DDS, B.Pharm, BMLS, BScRTT, Bsc physiotherapy, Bsc occupational health, BSc in Nursing and BSc. in medical physiology or any relevant degree from recognized Universities with at least a B grade in Physiology and a GPA of 2.7.

MSc Applied Medical and Exercise Physiology Programme courses

Semester 1 - Year 1:

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PH 601	Body Fluids and Excitable Tissues	Core	40	111	26	73	100	350	35.0
BM 600	Molecular Biology	Core	40	10	15	30	5	100	10.0
EE 600	Bioethics	Core	18	12	12	12	6	60	6.0
ER 600	Epidemiology, Biostatistics and Research Methodology	Core	36	24	24	24	12	120	12.0
Sub-Total			134	157	77	139	123	630	63.0

Semester 2 - Year 1:

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PH 602	Metabolism and homeostatic physiology	Core	20	70	30	15	30	165	16.5
NU 600	Nutrition physiology	Core	10	40	20	35	18	123	12.3
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	20	35	18	120	12.0
PH 699.01	PROPOSAL DEVELOPMENT (Methods in Physiological Research)	Core	1	4	2	115	2	124	12.4

Sub-Total			82	158	92	220	78	630	63.0
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Semester 1 - Year 2:

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PH 603	Control System	Core	12	25	14	30	5	86	12.9
SP 600	Sports (Exercise) Physiology	Core	10	19	20	30	5	84	11.1
HO 600.01	Hands on Physiological Investigations	Core	1	10	10	19	70	110	11.0
PH 699.02	Dissertation II (Data collection)	Core	5	10	45	139	1	200	20.0
HO 600.02	Hands on Physiological Procedures (Dialysis)	Core	1	10	1	1	67	80	8.0
LM 600	Laboratory Systems and	Core	8	14	10	28	10	70	7

	Management								
Sub-Total			37	88	100	248	158	630	63.0

Semester 2 - Year 2:

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PH 699.03	Dissertation III (Analysis and Report Writing)	Core	1	1	1	126	1	130	13.0
AP 600.01	Application in Preventive Intervention for NCDs	Core	1	30	1	5	98	135	13.5
AP 600.02	Application in Lifestyle Intervention for NCDs	Core	1	1	1	5	67	75	7.5
AP 600.03	Application in Rehabilitation setting	Core	1	1	1	5	67	75	7.5

AP 600.04	Application in Fitness, Sports, and Performance	Core	1	30	1	5	178	215	21.5
Sub- Total			5	63	5	146	411	630	63.0

MSc Clinical Psychology Programme - MHM113

This program provides a solid foundation in the scientific basis and practice of clinical psychology and professional skills through a combination of coursework, supervised clinical practice, and research. Students are required to

gain competencies and transferable skills across a range of clinical problems and settings employing evidence-based best practice models in health and mental health settings.

Entry requirements

A holder of honors degree in psychology or its equivalent from any recognized university. Any other relevant degree with a 'B' grade in psychology and a GPA of 2.7 or higher.

MSc Clinical Psychology Degree Programme Courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
ER 600	Bioethics	Core	36	24	24	24	12	120	12
EE 600	Epidemiology, Biostatistics, and Research Methodology	Core	18	12	12	12	6	60	6
CP 600	Foundation of Clinical Psychology	Core	5	35	20	130	55	245	24.5
CP 601	Basic Medical Sciences Contribution to Clinical Psychology	Core	5	50	20	100	30	205	20.5
TOTAL			64	121	76	266	103	630	63

Semester 2 Year 1

Course Code	Course Name	Core or Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CP 602	Clinical Psychological Assessment	Core	10	30	15	80	25	160	16
CP 603	Clinical	Core	15	20	20	100	155	310	31

	Psychotherapies								
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	20	5	10	15	50	100	10
CP 699	Dissertation	Core	10	10	5	25	10	60	6
Total			55	65	50	220	240	630	63

Semester 3 Year 2

Course Code	Course Name	Core or Elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CP 604	Clinical Psychology with Specific Patient Populations	Core	25	75	30	20	150	300	30
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12
CP 699	Dissertation	Core	10	46	23	30	101	210	21
Total			56	145	75	135	271	630	63

Semester 4 Year 2

Course code	Course Name	Core or Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CP 605	Clinical Health Psychology and Rehabilitation	Core	10	80	20	100	160	370	37
CP 699	Dissertation	Core	25	60	25	30	120	260	26
Total			35	140	45	130	280	630	63

MSc. Cardiovascular Perfusion Degree Programme - *MHMI49*

This is a four semester (two years) program which produces specialists in Cardiovascular perfusion who are experts in operating perfusion equipment, troubleshooting, maintenance of patients' metabolism during cardiovascular surgeries and conduct appropriate evaluation of the patients' perfusion status.

MSc. Cardiovascular Perfusion Entry Requirements

Doctor of Medicine, BSc. Nursing, BSc. Nursing Anaesthesia or equivalent qualification from recognized university, with an average of "B" or a minimum GPA of 2.7. OR Postgraduate Diploma in any relevant field with an average of "B" or a minimum GPA of 3.0. PLUS 2-years of post-intern working experience.

MSc. Cardiovascular Perfusion Degree Programme courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CL 600.01	Principles of Clinical Pharmacology and Chemotherapy	Core	6	39	6	12	2	65	6.5
CL 600.02	Therapeutics	Core	3	28	3	8	2	44	4.4
EE 600	Ethics	Core	6	18	6	18	12	60	6.0
ER 600.01	Principles of Epidemiology	Core	10	18	6	10	6	50	5.0
ER 600.02	Principles of Biostatistics	Core	4	12	5	10	5	36	3.6
PH 600	Clinical Physiology	Core	4	67	10	20	4	105	10.5
CVP 600	Biophysics-Instrumentation in Perfusion	Core	10	40	40	60	120	270	27.0

	Technology, Diagnostic Cardiac Imaging Technology and Patient monitoring								
Total			43	222	76	138	151	630	63

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CVP 601	Pathophysiology of Congenital and Acquired Heart Diseases and their Surgical Interventions	Core	10	40	25	25	75	175	17.5
CVP 602	Basic Cardiopulmonary Bypass Techniques, Safety Measures and Organization of Perfusion Service	Core	20	60	60	60	200	400	40.0
HE 600	Educational Principles and Practices for the	Core	68	5	10	15	2	100	10.0

	Health Sciences Professionals								
CVP 699.1	Dissertation (Proposal development, data collection, analysis, report writing and defence)	Core	4	6	18	30	56	114	11.4
Total			77	91	72	100	283	634	63.4

Semester 3 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CVP 603	Cardiopulmonary Bypass Techniques in surgical interventions for Congenital and Acquired Heart Diseases	Core	20	30	34	60	141	285	28.5
HP 609	Leadership, Management and Entrepreneurship in	Core	21	24	22	35	18	120	12

	Health								
CVP 699.2	Dissertation (Proposal development, data collection, analysis, report writing and defence)	Core	10	45	12	56	102	225	22.5
Total			51	99	68	151	261	630	63

Semester 4 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CVP 604.01	Advanced Cardiopulmonary Bypass Techniques for Special patient groups and clinical situations	Core	10	25	25	40	160	60	26
CVP 604.02	Extracorporeal Life Support Techniques, Mechanical circulatory support and Cardiac	Core	10	25	25	40	160	260	26

	Assist Devices								
CVP 699.2	Dissertation Data Analysis and report writing (Dissertation (Proposal development, data collection, analysis, report writing and defence)	Core	0.5	0.5	6	5	98	110	11
Total			20.5	50.5	56	85	418	630	63

Master of Science in Medical Microbiology- MHM107

This is the four-semester course whose aim is to train and produce highly qualified and skilled scientist with professional competence in teaching, research and consultancy in order to provide the much-needed expertise in laboratory services

Entry requirements

- i. A holder of BMLS, MD, DDS, or BPharm degree with at least a B grade pass in Microbiology and Immunology and a cumulative GPA of 2.7 from a recognized university.
- ii. Holders of a BSc in Medical Microbiology, BSc in Applied Medical Microbiology, or Bachelor of Veterinary Medicine (BVM) from recognised Universities with a cumulative GPA of 2.7 or above and an overall B grade or above in Microbiology.

MSc Medical Microbiology Degree Programme courses

Semester 1 Year 1

	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
BM 600	Molecular Biology	Core	40	10	15	30	5	100	10.0
MI 600	Science and biology of bacteria and fungi	Core	6	60	20	44	110	240	24.0
PE 600	Medical Parasitology and Entomology	Core	8	48	16	24	14	110	11.0

Total			108	154	87	134	147	630	63.0
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Semester 2 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 601	Fundamentals of Immunology	Core	8	30	18	40	74	170	17.0
MI 602	Science and biology of viruses	Core	8	40	18	40	74	180	18.0
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10.0
MI 603	Molecular Diagnostic of Infection	Core	10	30	20	50	70	180	18.0
Total			46	120	76	150	228	630	63.0

Semester 3 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 604	Applied Medical Microbiology	Core	10	30	30	50	160	280	28.0
LM 600	Laboratory systems and management	Core	8	14	10	28	10	70	7.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
MI 699.01	Dissertation – Proposal development	Core	2	8	10	130	10	160	16.0
Total			41	76	72	243	198	630	63.0

Semester 4 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 699.02	Dissertation- Data collection and analysis	Core	4	12	12	30	327	385	38.5
MI 699.03	Dissertation write up and presentation	Core	3	12	18	122	90	245	24.5
Total			7	24	30	152	417	630	63.0

MSc Histotechnology Programme - MHM108

This is a four semester (2 year) degree programme intended to train highly skilled professionals for certification in histotechnology.

MSc Histotechnology Entry Requirements

Bachelor degree in Medical Laboratory Sciences (General or Histotechnology) **PLUS** a minimum of ‘**B**’ grade in Histotechnology, BSc Health Laboratory Sciences (BSc. HLS) or a Bachelor of Medical Laboratory Technology (BMLT) and any other relevant degree from a recognized University **with** a minimum **GPA of 2.7**.

MSc Histotechnology Courses

Semester 1 - Year 1:

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
HT 600	Principles of Pathology for Histotechnology	Core	30	30	20	20	180	280	28
LM600	Laboratory Systems and Management	Core	8	14	10	28	10	70	7
BM 600	Cell and Molecular Biology	Core	40	10	15	30	5	100	10
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6
Total Credits			132	90	81	114	213	630	63.0

Semester 2 - Year 1:

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
HT 601	Pathology Laboratory Practice,	Core	20	30	20	10	220	300	30
HT 602	Mortuary Management, Embalming & Cosmetology	Core	5	15	5	5	98	128	12.8
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10
HT669.01	Dissertation module one (Proposal,	Core	5	10	30	20	37	102	10.2

	Ethical clearance and data collection)								
Total Credits			72	75	63	40	380	630	63.0

Semester 1 - Year 2:

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
HT 603	Advanced Laboratory Methods Molecular & Digital Pathology	Core	10	10	10	10	100	140	14
HT 604	Cytotechnology, Organ & Tissue Transplantation	Core	10	20	20	10	90	150	15
HP609	Leadership,	Core	21	24	22	35	18	120	12

	Management and Entrepreneurship in Health								
HT 605	Forensic Science Techniques in Pathology	Core	5	15	5	5	70	100	10
HT669.02	Dissertation module II (Data Analysis and Report writing)	Core	5	5	10	10	90	120	12
Total Credits			51	74	67	70	368	630	63.0

Semester 2 - Year 2:

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
HT606	Museum Techniques, Archiving, Biobanking and Biorepositories	Core	4	6	6	4	110	130	13
HT607	Advanced Histotechnology Practice	Core	5	5	8	50	332	400	40
HT669.03	Dissertation module three (Dissemination, Submission and Examination)	Core	5	5	20	5	65	100	10
Sub-Total			14	16	34	59	507	630	63.0

Examination regulations for MSc Degree Programmes

- (i) General University Examination regulations on registration, registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The Master of Science (MSc) degrees are 4-semester programmes and the maximum tenure for the degree shall be 6 semesters.
- (iii) The maximum freezing period shall be 2 semesters.
- (iv) Registration of full-time students shall be once at the beginning of each semester.
- (v) There shall be at least two continuous assessment tests (CAT) and regular assessment of competencies for each module/modular course taught during

each semester. The field reports shall also be marked and graded as CAT. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course or rotation examination the Summative Assessment (SA)

- (vi) The FA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- (vii) The FA and SA shall consist of written (quizzes, MCQ's, Essays, field reports, marked take home assignments and others) and practical/clinical components (Multisource rating, observation and rating by faculty, observation of live or recorded performances and rating, observation of procedures and rating, logbooks, portfolio, OSPE, OSCE and others). The proportional contribution for written and practical in SA will be 60 and 40% respectively in Basic Sciences and 40% and 60% in Practical/Clinical Sciences, but the FA will constitute 50% of the final grade in any case. A candidate will be considered to have passed a course after passing all modules/clinical rotations of the respective course.
- (viii) Decision making of the failing students shall be determined at the end of the audit year.
- (ix) No candidate shall be allowed to sit for supplementary in more than three failed courses at any given time irrespective of GPA and shall be discontinued from the program.
- (x) A candidate who scores a GPA of 2.4 or higher, but fails in 3 courses or less at end of the audit year shall be required to supplement in the failed modules in the course(s).
- (xi) For a program with at least three courses in an Audit year, a candidate who fails all courses shall be discontinued from the studies irrespective of the GPA.
- (xii) A candidate who fails the second supplementary examination in semesters 1 - 2 for one or two-year programmes semesters 1-4 for three years and four years programmes, shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xiii) A candidate who fails the second supplementary examination in semesters 3-4 for two-year programmes, semesters 5-6 for three-year programmes and semesters 7-8 for four-year programmes shall be allowed to supplement the failed courses/modules/modular courses after semester four, six and eight

for two-year, three year and four year programmes, respectively, provided the maximum tenure is not exceeded.

- (xiv) A candidate who passes a supplementary examination shall be awarded a “B” grade.
- (xv) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and approved by the Senate.
- (xvi) A student shall be awarded the MSc degree after passing all courses/modules/modular courses of the and successful defence of a dissertation.
- (xvii) General Regulations and Guidelines of Postgraduate Programmes shall be binding

Regulations for MSc dissertations

- (i) The dissertation shall consist of one research topic that will be within the field of specialization. This will be determined by the candidate and approved by the Department.
- (ii) Four copies of loosely bound dissertation shall be submitted to the Dean of the School of Medicine at least two months before semester 4 examinations. Candidates who do not submit an acceptable dissertation shall be barred from sitting for their examination.
- (iii) A candidate whose dissertation is considered unsatisfactory having passed all semester examinations shall be required to re-submit the dissertation for examination within the specified period as per dissertation examination regulations stipulated in the General Regulations and Guidelines for Postgraduate programmes.
- (iv) For one to qualify for the award of MSc degree, he/she must pass all semester examinations and submit an error-free dissertation after examination.

Grading System for MSc programmes

Computation of the GPA for the MSc programmes shall be based on the number of credits approved for each course and shall be equated to the letter grade as shown below. However, the MSc degree shall not be classified: -

Letter grade	A	B+	B*	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60%	59-50%	49-40%	39-0%

* Pass mark

MASTER OF MEDICINE (MMED) PROGRAMMES

These are six or eight semesters (3 or 4 years) competency-based programmes intended to train proficient and skilled human resource to improve the delivery of specialist health care services including research and training of other health professionals. Trainees can specialize in any of the following disciplines: Anaesthesiology, Anatomical Pathology, Emergency Medicine, Clinical Oncology, Haematology and Blood Transfusion, Internal Medicine, Microbiology and Infectious diseases, Obstetrics and Gynaecology, Ophthalmology, Otorhinolaryngology, Orthopaedics and Traumatology, Paediatrics and child health, Psychiatry, Radiology and Surgery. For each of these MMed programmes, the first semester is devoted for basic science core courses. In the subsequent semesters trainees receive in-depth study of various discipline-specific courses and pursue a comprehensive apprenticeship in the patient care or laboratory settings depending on the subject of specialization. Also, in these semesters trainees design, conduct and report research work, which forms the dissertation, in partial fulfilment for the award of the respective MMed degree.



MUHAS postgraduate students in a practical session

MMED DEGREE PROGRAMMES, ENTRY REQUIREMENTS AND PROGRAM COURSES

Master of Medicine in Anaesthesiology Programme - MHM17

This is a four years program which aims to develop highly competent anesthesia specialists capable of providing expert clinical care in Anesthesia, conduct research and provide Consultancy in their field of specialization for improved cost-effective service delivery.

MMed Anaesthesiology Entry requirements

- i. Doctor of Medicine or its equivalent with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0** from a recognized university. **PLUS** 2-years of post-internship working experience.
- ii. Must be fully registered and licensed by appropriate professional body in The United republic of Tanzania or for foreigners be eligible to be registered and licensed by a local professional body by means of holding a certificate of good standing.
- iii. A two years’ work experience in Anaesthesia, Intensive Care and Emergency units is an added advantage

MMed Anaesthesiology Courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PH 600	Clinical Physiology	Core	4	67	10	20	4	105	10.5
CL 601	Clinical Pharmacology and Therapeutics	Core	6	39	6	12	2	65	6.5
ER 600	Epidemiology, Biostatistics and Research Methodology	Core	6	30	10	22	18	86	8.6
MI 606	Microbiology and Immunology	Core	5	72	10	20	5	112	11.2
EE 600	Bioethics	Core	6	18	6	18	12	60	6
MA 600	General Principles of Anaesthesia	Core	6	80	36	40	38	200	20
Total			33	306	78	132	85	630	63

Semester 2 year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 601	Principles of Safe Anaesthesia and Anaesthesia for General Surgery	Core	8	69	25	132	235	469	46.9
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10
MA 699	Dissertation Module 1	Core	1	10	10	10	30	61	6.1
Total			81	84	45	157	267	630	63

Semester 1 year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 602	Anaesthesia for Obstetrics and Gynecology surgery	Core	8	30	34	137	307	516	51.6

MA 699	Dissertation Module 1	Core	4	6	18	30	56	114	11.4
Total		Core	12	36	52	167	363	630	63.0

Semester 2 year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 603	Anaesthesia for Surgical Specialties	Core	8	70	42	130	259	509	50.9
MA 699	Dissertation Data Collection	Core	0.5	0.5	3	5	112	121	12.1
Total		Core	12	8.5	70.5	45	135	371	63.0

Semester 1 year 3

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 604	Orthopedic and neurosurgery Anesthesia	Core	24	60	50	63	198	395	39.5
	Regional Anaesthesia and Pain medicine	Core	5	10	14	25	60	115	10.5

CM 699	Dissertation Data Collection	Core	0.5	0.5	3	5	112	121	12.1
Total			29.5	70.5	67	93	370	630	63.0

Semester 2 Year 3

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 605	Cardiovascular Anaesthesia and Critical Care	Core	4	40	18	92	154	308	30.8
	Anaesthesia for Thoracic Surgery	Core	4	30	8	64	106	212	21.2
CM 699	Dissertation Data Analysis and report writing	Core	0.5	0.5	6	5	98	110	11
Total			8.5	70.5	32	161	358	630	63.0

Semester 1 Year 4

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 606	Medical Critical Care and Transfer Medicine	Core	4	46	22	107	179	358	30.8
	Emergency medicine and Disaster Management	Core	4	40	10	82	136	272	21.2
Total			8	86	32	189	315	630	63.0

Semester 2 Year 4

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 607	Advanced Anesthesia Practice	Core	10	20	50	130	300	510	51.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
Total			31	44	72	165	318	630	63.0

Master of Medicine in Clinical Oncology Degree Programme-MHM90

This is a four years program aiming at producing oncology specialists that will cater for the shortage of qualified and competent staff in this speciality in order to meet the needs of caring for the increasing number of cancer patients in the country and globally. This program will give the prospects an in-depth knowledge and skills needed to provide specialized and quality Oncology Care. Graduates of this program will also be able to handle academic, research, consultancy, technical as well as administrative responsibilities at local, regional and international levels.

MMed Clinical Oncology Entry requirements

Doctor of Medicine (MD) degree or its equivalent from a recognized university with a cumulative GPA of 2.7 or above. With at least one year of practice post-internship. Must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). OR Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application.

MMed Clinical Oncology Programme Courses

Semester 1, Year 1

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
AT 605	Applied Anatomy and Tumor Pathology	Core	30	50	30	40	30	180	18.0
RC 605.1	Cancer Biology and Radiobiology 1	Core	15	25	10	25	15	90	9.0
PR 605.1	Radiation Physics 1	Core	35	40	40	40	25	180	18.0
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Bioethics	Core	18	12	12	12	6	60	6.0
	Total		134	151	116	141	88	630	63.0

Semester 2, Year 1

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
RC 605.2	Cancer Biology and Radiobiology 2	Core	15	25	10	35	25	110	11.0
PR 605.2	Radiation Physics 2	Core	35	40	50	50	25	200	20.0
HE 600	Educational Principles and Practice for Health Sciences Professionals	Core	10	30	10	20	30	100	10.0
CA 605	Clinical attachment	Core	10	20	10	30	150	220	22.0
	Total		70	115	80	135	230	630	63.0

Semester 1, Year 2

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
MO 605.1	Medical Oncology 1	Core	20	30	20	30	100	200	20.0
RO 605.1	Radiation Oncology 1	Core	20	30	20	30	100	200	20.0
CP 605	Cancer Epidemiology and Prevention	Core	15	20	15	20	30	100	10.0
RR 699.1	Proposal development	Core	5	5	10	10	100	130	13.0
	Total		60	85	65	90	330	630	63.0

Semester 2, Year 2

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
MO 605.2	Medical Oncology 2	Core	10	20	10	30	80	150	15.0
RO 605.2	Radiation Oncology 2	Core	20	30	20	30	150	250	25.0
PC 605	Palliative care	Core	15	15	10	20	50	110	11.0
RR 699.2	Proposal development and Ethical Clearance	Core	5	5	10	20	80	120	12.0
	Total		50	70	50	100	360	630	63.0

Semester 1, Year 3

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
CO 605.1	Clinical Oncology 1	Core	30	50	50	60	120	310	31.0
PO 605	Pediatric Oncology	Core	20	40	30	40	70	200	20.0
RR 699.3	Data collection	Core	5	10	15	20	70	120	12.0
	Total		55	100	95	120	260	630	63.0

Semester 2, Year 3

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
CO 605.2	Clinical Oncology 2	Core	20	50	50	60	150	330	33.0
NM 605	Nuclear Medicine Applications in Oncology	Core	30	50	40	50	30	200	20.0
RR 699.4	Data analysis	Core	5	10	10	25	50	100	10.0
	Total		55	110	100	135	230	630	63.0

Semester 1, Year 4

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
CO 605.3	Clinical Oncology 3	Core	20	30	30	70	210	360	36.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
RR 699.5	Report writing	Core	5	5	5	40	95	150	15.0
	Total		46	59	57	145	323	630	63.0

Semester 2, Year 4

Course code	Course name	Core or elective	Lecture hours	Tutorials or seminars	Assignment	Independent study	Practicals	Total hours	Credits
Semester 2 Year 4									
CO 605.4	Clinical Oncology 4	Core	20	30	30	70	380	530	53.0
RR 699.6	Defence and dissemination	Core	5	5	5	10	75	100	10.0
	Total		25	35	35	80	455	630	63.0

Master of Medicine in Emergency Medicine Program- MHM91

This is a four years programme to produce specialists in emergency medicine who are capable of working independently to render quality, patient centred, holistic care to both children and adult patients in the emergency department.

MMed Emergency Medicine Entry Requirements

Doctor of Medicine or equivalent with an average of “B” or a minimum **GPA of 2.7** with a 2-years of post-internship working experience. In addition, the candidate must have obtained a score of B or above in internal medicine, paediatrics and surgery at undergraduate level. A score of B or above in emergency medicine will be an added advantage.

MMed Emergency Medicine Degree Programme courses

Semester 1 year 1

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM 600.1	Applied Sciences & Diagnostic Techniques in EM	CORE	2	30	30	118	0	180	18.0
EM 600.2	Principles and practice of EM	CORE	2	30	30	148	60	270	27.0
ER 600	Principles of Epidemiology and	CORE	36	24	24	24	12	120	12.0

	Biostatistics								
EE 600	Foundation of Bioethics	CORE	18	12	12	12	6	60	6.0
Total			58	96	96	302	78	630	63.0

Semester 2 year 1

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM 601	Principles of anesthesia and procedure sedation	CORE	8	16	16	80	160	280	28.0
EM 601	Principles and practice of EM		2	21	14	68	140	245	24.5
HE 600	Educational Principles and Practices for Health Professionals	CORE	30	20	20	20	10	100	10.0
Total			40	57	50	168	310	625	62.5

Semester 1 year 2

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM 602	Surgical and trauma emergencies	CORE	2	16	16	83	120	237	23.7
EM 602	Principles and practice of EM		2	21	14	103	118	258	25.8
EM 699	Dissertation 1 - Proposal development	CORE	0	30	45	60	0	135	13.5
Total			4	67	75	246	238	630	63.0

Semester 2 year 2

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM	Maternal and Child	CORE	2	16	16	83	115	232	23.2

603	Emergencies								
EM 603	Principles and practice of EM	CORE	2	14	21	103	118	258	25.8
EM 699	Dissertation 2 - Data collection	CORE	0	15	15	60	50	140	14.0
Total			4	45	52	246	283	630	63.0

Semester 1 year 3

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM 604	Critical Care Medicine	CORE	2	16	16	78	130	242	23.2
EM 604	Principles and practice of EM		2	21	14	103	118	258	25.8
EM 699	Dissertation 3 - Data analysis & report writing	CORE	5	20	30	30	45	130	13.0
Total			9	57	60	211	293	630	63.0

Semester 2 year 3

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM 605	Ocular and Mental health Emergencies	CORE	3	5	10	47	100	165	16.2
EM 605	Principles and practice of EM	CORE	6	15	20	94	190	325	32.8
EM 699	Dissertation 4 – Submission, Examination and dissemination	CORE	0	30	30	80	0	140	14.0
Total			9	50	60	221	290	630	63.0

Semester 1 year 4

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM 606	Pre-hospital and transfer medicine	CORE	2	14	28	88	378	510	51.0
EM	Leadership, Management	CORE	21	24	22	35	18	120	12.0

606	and Entrepreneurship in Health								
Total			23	38	50	123	396	630	63.0

Semester 2 year 4

Cours eCode	CourseName	Core or elective	Lectur eHrs	Tutorial/ Seminar Hrs	Assignm entHrs	Indepen dent Study Hrs	Practical Hrs	Total Hrs	Credits
EM 607	External emergency medicine clinical apprenticeship	CORE	2	4	12	60	158	236	23.6
EM 607	EM Practice	CORE	0	6	16	80	290	394	39.4
Total			2	10	28	140	448	630	63.0

Master of Medicine in Internal Medicine Degree Programme MHM97

This is a three years program which aims at producing internal physician capable of. performing independent and customized clinical reasoning and judgment in the management of Internal Medicine conditions, research and consultancy related to internal medicine.

MMed Internal Medicine Entry requirements

Doctor of Medicine or equivalent **PLUS** a minimum of “**B**” grade in Internal Medicine at undergraduate level and a minimum

GPA of 2.7. PLUS, a 2-years of post-internship working experience.

Must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). OR Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

MMed Internal Medicine Degree Programme courses –

Semester 1 - Year 1:

<i>Course code</i>	<i>Course name</i>	<i>Core/elective</i>	<i>Lecture (Hrs)</i>	<i>Tutorial/Seminar (Hrs)</i>	<i>Assignment (Hrs)</i>	<i>Independent study/research (Hrs)</i>	<i>Practical (Hrs)</i>	<i>Total Hours</i>	<i>Credits</i>
PH 600	Clinical Physiology	Core	4	67	10	20	4	105	10.5
CL 601	Principles of Clinical Pharmacology and Chemotherapy	Core	6	39	6	12	2	65	6.5

CL 602	Therapeutics	Core	3	28	3	8	2	44	4.4
ER 600	Epidemiology, Biostatistics and Research Methodology	Core	6	33	10	22	18	89	8.9
MI 600	Microbiology and Immunology	Core	5	72	10	20	5	112	11.2
EE 600	Bioethics	Core	6	18	6	18	12	60	6.0
BM 600	Molecular and Cellular Biology	Core	8	31	8	38	70	155	15.5
Sub-Total			38	288	53	138	113	630	63.0

Semester 2 - Year 1:

<i>Course code</i>	<i>Course name</i>	<i>Core/elective</i>	<i>Lecture (Hrs)</i>	<i>Tutorial/Seminar (Hrs)</i>	<i>Assignment (Hrs)</i>	<i>Independent study/research (Hrs)</i>	<i>Practical (Hrs)</i>	<i>Total Hours</i>	<i>Credits</i>
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10.0

IM 601	Infectious diseases and Dermatology	Core	4	92	70	84	280	530	53.0
Sub-Total			34	112	90	104	290	630	63.0

Semester 1 - Year 2:

<i>Course code</i>	<i>Course name</i>	<i>Core/ elective</i>	<i>Lecture (Hrs)</i>	<i>Tutorial/Seminar (Hrs)</i>	<i>Assignment (Hrs)</i>	<i>Independent study/research (Hrs)</i>	<i>Practical (Hrs)</i>	<i>Total Hours</i>	<i>Credits</i>
IM 602	Cardiology and Respiratory Diseases	Core	12	70	70	84	280	516	51.6
IM 699	Dissertation Proposal Writing	Core	4	6	18	30	56	114	11.4
Sub-Total			16	76	88	114	336	630	63.0

Semester 2 - Year 2:

<i>Course code</i>	<i>Course name</i>	<i>Core/ elective</i>	<i>Lecture (Hrs)</i>	<i>Tutorial/ Seminar (Hrs)</i>	<i>Assignme nt (Hrs)</i>	<i>Independ ent study/res earch (Hrs)</i>	<i>Practical (Hrs)</i>	<i>Total Hours</i>	<i>Credits</i>
IM 603.01	Medical, Nephrology, Endocrine & Metabolic Diseases	Core	10	70	70	84	275	509	50.9
IM 699	Dissertation Data Collection	Core	0.5	0.5	3	5	112	121	12.1
Sub-Total		Core	10.5	70.5	73	89	387	630	63.0

Semester 1 - Year 3:

<i>Course code</i>	<i>Course name</i>	<i>Core/ elective</i>	<i>Lecture (Hrs)</i>	<i>Tutorial/S eminar (Hrs)</i>	<i>Assignme nt (Hrs)</i>	<i>Independ ent study/rese arch (Hrs)</i>	<i>Practical (Hrs)</i>	<i>Total Hours</i>	<i>Credits</i>
IM 604	Emergency	Core	8	54	54	64	220	400	40.0

	Medicine/Acute care; Psychiatry; Haematology; Oncology.								
HP 609	Leadership and Entrepreneurship	Core	1	25	14	20	60	120	12.0
IM 699	Dissertation Data Analysis and Report writing	Core	0.5	0.5	6	5	98	110	11.0
Sub-Total		Core	9.5	79.5	74	89	378	630	63.0

Semester 2 - 3

<i>Course code</i>	<i>Course name</i>	<i>Core/ elective</i>	<i>Lecture (Hrs)</i>	<i>Tutorial/Seminar (Hrs)</i>	<i>Assignment (Hrs)</i>	<i>Independent study/research (Hrs)</i>	<i>Practical (Hrs)</i>	<i>Total Hours</i>	<i>Credits</i>
IM 605	Neurology, Geriatrics and Rheumatology	Core	3	90	70	84	280	527	52.7
IM 699	Dissertation	Core	2	2	5	10	84	103	10.3

	Report and Defence								
Sub-Total			5	92	75	94	364	630	63.0

Master of Medicine in Obstetrics and Gynaecology Degree Programme- MHM93

This is a four years program which aims to equip graduates with an in-depth and comprehensive knowledge and skills in the management of gynecological/obstetric conditions. Emphasis is placed on principles guiding obstetrics, gynecology, and reproductive health concepts, including sexuality and various conditions.

MMed Obstetrics and Gynaecology Entry requirements

Doctor of Medicine or equivalent with an average of “**B**” or a minimum **GPA of 2.7, PLUS a 2-years of post-internship working experience.** A ‘**B**’ grade in obstetrics and gynaecology at undergraduate is an added advantage. The candidate must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). OR Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application.

MMed Obstetrics and Gynaecology Degree Programme courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs.)	Tutorial / Seminar (Hrs.)	Assignment (Hrs.)	Independent Study (Hrs.)	Practical (Hrs.)	Total (Hrs.)	Credits
OG700	Reproductive physiology	Core	0	40	5	10	3	58	5.8
OG701	Reproductive infections	Core	0	25	5	20	5	55	5.5
EE 600	Bioethics	Core	0	14	5	10	5	34	3.4
PA 600	Pathology	Core	0	40	10	50	100	200	20.0
ER600	Epidemiology and biostatistics	Core	0	15	10	20	5	50	5.0
OG 702	Reproductive anatomy	Core	0	10	10	32	60	112	11.2
OG 600)	Introduction to Obstetrics and Gynaecology	Core	0	10	5	25	40	80	8.0
Total			0	154	50	167	218	630	63.0

Semester 2 Year 1.

Course	Course name	Core or	Lecture	Tutorial/	Assignment	Independent	Practical	Total	Credits
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code		elective	(Hrs)	Seminar/ (Hrs)	(Hrs)	Study (Hrs)	(Hrs)	(Hrs)	
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	0	40	2	4	1	47	4.7
OG 601	Emergency obstetrics	Core	30	80	28	156	289	583	58.3
Total			30	120	30	160	290	630	63.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar / (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OG 602.01	Operative (surgical) Obstetrics and Gynaecology	Core	0	30	0	40	210	280	28.0
OG 602.02	Advanced management in Obstetrics and Gynaecology	Core	0	30	10	80	150	270	27.0
OG	Proposal writing	Core	0	10	15	25	30	80	8.0

699.01									
Total			0	70	25	145	390	630	63.0

Semester 1 Year 2

Semester 2 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar / (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OG 603.1	Family planning	Core	0	40	10	20	150	220	22.0
OG 603.02	Community Obstetrics and Gynaecology	Core	0	50	10	30	120	210	21.0
OG 699.02	Dissertation data collection	Core	0	40	10	50	100	200	20.0
Total			0	130	30	1000	370	630	63.0

Semester 1 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/seminar (hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OG 604	Clinical specialties	Core	0	100	20	100	280	500	50.0

OG 699.03	Dissertation data analysis	Core	0	20	20	60	30	130	13.0
Total			0	120	40	160	310	630	63.0

Semester 2 year 3

Course code	Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar(Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OG 605	Clinical subspecialties	Core	0	60	10	90	250	410	41.0
OG 699.04	Report writing and defense	Core	0	50	40	90	40	220	22.0
Total			0	110	50	180	290	630	63.0

Semester 1 Year 4

Course code	Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar(Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)
OG 607	Advanced surgical Obstetrics and Gynecology	Core	0	80	10	80	340	51.0

HP 609	Leadership and entrepreneurship	Core	0	20	10	50	40	12.0
TOTAL			0	100	20	130	380	63.0

Semester 2 Year 4

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar/ (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OG 608	Advanced management in Obstetrics and Gynecology and reproductive policies	Core	0	100	0	140	390	630	63.0

Master of Medicine in Ophthalmology - MHM99

This is a four years programme aimed at producing ophthalmologist with competencies for proficient clinical practice in ophthalmology. Graduates will be able to implement evidence based, patient focused, cost effective and ethical patient care, Will acquire skills to independently manage patients with eye problems, teach junior staff and lead eye care teams. The candidate will also be able to conduct research and provide consultancy related to ophthalmology.

MMed Ophthalmology Entry requirements

Doctor of Medicine or equivalent with a “**B**” grade in surgery at undergraduate and a minimum **GPA of 2.7**. 2-years of post-internship working experience. The candidate must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). OR Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

MMed Ophthalmology Degree Programme courses

Semester 1 year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PY 600	Ocular Physiology	Core	5	38	10	20	2	75	7.5
AO 600	Ocular Anatomy	Core	5	45	10	20	20	100	10.0
PO 600	Ophthalmic Pathology	Core	5	50	10	25	10	100	10.0
OP 600	Clinical Optics	Core	5	38	8	19	5	75	7.5
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
HE 600	Educational Principles and Practices for Health Sciences	Core	5	20	5	25	45	100	10.0

	Professionals								
Total			79	227	79	145	100	630	63.0

Semester 2 year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OP 601	Introduction to Clinical Ophthalmology and Ocular Therapeutics	Core	5	55	10	30	200	300	30.0
OP 606	Refraction and Low Vision	Core	5	55	10	30	230	330	33.0
Total			10	110	20	60	430	630	63.0

Semester 1 year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OP 602	Diseases of the Orbit and Ocular Adnexa	Core	5	50	10	35	280	380	38.0
OP 699	Dissertation	Core	12	50	12	63	113	250	25.0

	Module 1: Proposal writing and Ethical clearance								
Total			17	100	22	98	393	630	63.0

Semester 2 year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OP 607	Diseases of Cornea and Lens	Core	5	50	10	35	280	380	38.0
OP 699	Dissertation Module 2: Data Collection	Core	12	50	12	63	113	250	25.0
Total			17	100	22	98	393	630	63.0

Semester 1 year 3

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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OP 603	Glaucoma and Diseases of Uvea	Core	-	71	10	35	264	380	38.0
OP 699	Dissertation Module 3: Data Analysis and Report Writing	Core	12	50	12	63	113	250	25.0
Total			33	124	44	133	316	630	63.0

Semester 2 year 3

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OP 604	Pediatric Ophthalmology and Strabismus	Core	5	50	10	35	280	380	38.0
OP 699	Dissertation Module 4: Report Submission, Examination and Dissemination	Core	12	50	12	63	113	250	25.0

Total			17	100	22	98	393	630	63.0
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Semester 1 year 4

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OP 605	Vitreoretinal and Systemic Diseases	Core	-	75	45	70	320	510	51.0
HP 609	Leadership, Management and Entrepreneurship in Health	core	21	24	22	35	18	120	12.0
Total			-	75	45	90	420	630	63.0

Semester 2 year 4

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OP 608	Neuro-	Core	5	65	30	100	430	630	63.0

	Ophthalmology, and Community Ophthalmology								
Total			5	65	30	100	430	630	63.0

Master of Medicine in Orthopaedics and Traumatology Programme-MHM100

This is a four years programme aimed to produce skilled, compassionate, and ethical orthopaedic and trauma surgeons, who are capable of surgery, research, consultancy and teaming for improved patient outcomes.

MMed Orthopedic and Traumatology Entry requirements

- i. Doctor of Medicine or equivalent PLUS a minimum of ‘B’ grade in Orthopaedic and Traumatology or General Surgery at undergraduate level or a minimum GPA of 2.7. PLUS a 2-years of post-internship working experience.
- ii. The candidate must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). OR Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

MMed Orthopedics and Traumatology Degree Programme courses –

Semester 1 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OT 600	Core	10	100	21	100	124	355	35.5
ER 600	Core	36	24	24	24	12	120	12.0
EE 600	Core	18	12	12	12	6	60	6.0
HE600	Core	9	11	20	20	35	95	9.5
Total		24	54	64	120	368	630	63.0

Semester 2 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OT 601	core	18	24	54	100	350	546	54.6
OT 699	Core	6	30	10	20	18	84	8.4
Total		24	54	64	120	3682	630	63.0

Semester 1 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OT 602	Core	18	24	54	100	350	546	54.6
OT699	Core	6	30	10	20	18	84	8.4
Total		24	54	64	120	368	630	63.0

Semester 2 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OT 602	Core	18	24	54	100	350	546	54.6
OT699	Core	6	30	10	20	18	84	8.4
Total		24	54	64	120	3682	630	63.0

Semester 1 Year 3

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OT 603	Core	0	10	24	65	332	2010	20.1
OT699	Core	6	16	10	20	18	84	8.4
HP 609	CORE	21	24	22	35	18	120	12.0
Total		26	126	284	384	1272	630	63.0

Semester 2 Year 3

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OT 604	Core	18	24	54	100	350	546	54.6
OT699	Core	6	30	10	20	18	84	8.4
Total		24	54	64	120	368	630	63.0

Semester 1 Year 4

Course code	Core or	Lecture	Tutorial/	Assignment	Independent	Practical	Total	Credit
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	Elective	(Hrs)	Seminar (Hrs)	(Hrs)	study (Hrs)	(Hrs)	(Hrs)	
OT 605	Core	18	24	54	100	350	546	54.6
OT 699	Core	6	30	10	20	18	84	8.4
Total		24	54	64	120	368	630	63.0
Semester 2 Year 4								
Course code	Core or Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent (Hrs)	Practical (Hrs)	Total	Credit
OT 606	Core	18	24	54	100	350	546	54.6
OT 699	Core	6	30	10	20	18	84	8.4
Total		24	54	64	120	368	630	63.0

Master of Medicine in Otorhinolaryngology Programme - MHM22

This is a four years program aimed to produce highly competent specialist in otorhinolaryngology, in the effort to alleviate the shortage for improved patients care, research and consultancy

MMed Otorhinolaryngology Entry requirements

- i. Doctor of Medicine (MD) degree or its equivalent from a recognized institution with cumulative GPA of 2.7 or above. A “B” or higher grade in Otorhinolaryngology or related subjects for specialties whose subjects were not examined independently at undergraduate level **PLUS** 2-years of post-internship working experience.
- ii. The candidate must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). OR Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

MMed Otorhinolaryngology Degree Programme courses

Semester 1 year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OL 600	Applied anatomy and physiology of the ENT and head and neck.	Core	5	20	5	30	40	100	10.0
OL 601.1	Otology I	Core	8	55	10	60	97	230	23.0
SU 601	Principles of Surgery	Core	6	36	6	30	42	120	12.0
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
Total Credits								630	63.0

Semester 2 year 1

Course Code	Course Name	Core	Lectu	Tutorial/	Assignme	Independ	Practic	Tota	Credits
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		or elective	re (Hrs)	Seminar (Hrs)	nt (Hrs)	ent Study (Hrs)	al (Hrs)	l (Hrs)	
OL 601.2	Otology II	Core	15	70	15	115	155	370	37.0
HE 600	Educational Principals & Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10.0
OL 699	Dissertation module 1 - Proposal Writing and Ethical Clearance	Core	8	32	8	48	64	160	16.0
Total credits								630	63.0

Semester 1 year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OL 602.1	Rhinology	Core	20	79	20	120	160	399	39.9
OL 699	Dissertation	Core	12	45	12	70	92	231	23.1

	module 2 - Data Collection								
Total credits								630	63.0

Semester 2 year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OL 603.1	Head and neck disorders.	Core	23	90	23	136	180	452	45.2
OL 699	Dissertation module 2 - Data Collection	Core	9	15	9	75	70	178	17.8
Total credits								630	63.0

Semester 1 year 3

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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OL 699	Dissertation module 3- Data Analysis and Report Writing	Core	8	32	8	48	64	160	16.0
OL 604.1	External Clinical Rotation								
OL 604.11	Clinical Rotation in Thoracic Surgery	Core	5.75	23.75	5.75	35.25	47	117.5	11.75
OL 604.12	Clinical Rotation in Oral and Maxillofacial Surgery	Core	5.75	23.75	5.75	35.25	47	117.5	11.75
OL 604.13	Clinical Rotation in Neurosurgery	Core	5.75	23.75	5.75	35.25	47	117.5	11.75
OL 604.14	Clinical Rotation in Head and neck oncology	Core	5.75	23.75	5.75	35.25	47	117.5	11.75
Total credits								630	63.0

Semester 2 year 3

Course Code	Course Name	Core or	Lecture	Tutorial/ Seminar	Assignment (Hrs)	Independent Study	Practical (Hrs)	Total	Credits
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		elective	(Hrs)	(Hrs)		(Hrs)		(Hrs)	
OL 605.1	Advanced surgical procedures for ear, and nose and paranasal sinuses	Core	28	112	28	168	224	560	56.0
OL 699	Dissertation module 4 - Submission, Examination and Dissemination	Core	0	5	10	20	35	70	7.0
Total credits								630	63.0

Semester 1 year 4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OL 606	Advanced surgical procedures for	Core	25	100	25	100	260	510	51.0

	head and neck.								
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
Total credits								630	63.0

Semester 2 year 4

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OL 607	External Clinical Placement to Referral Hospital	Core	0	30	30	220	350	630	63.0
Total credits								630	63.0

Master of Medicine in Paediatrics and Child Health Programme - MHM101

This is a three years program for training medical graduates to become competent specialist in provision of Child Health care and assume leadership roles in clinical care, research, training and consultancy related to pediatrics and children.

MMed Paediatrics and Child Health Entry requirements

- i. Doctor of Medicine or equivalent with a GPA of 2.7 or high PLUS a minimum of "B" grade in Paediatrics and Child Health or related subjects for specialties whose subjects were not examined independently at undergraduate level. Having at least two years of clinical practice post internship
- ii. The candidate must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). OR Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

MMed Paediatrics and Child Health Degree Programme courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs)	Assignment Hrs	Independent Study Hrs	Clinical/ Practical Hrs	Total Hrs	Credits
CH 600	Principle of Paediatrics, Nutrition, Growth, Development and Principles of vaccination and immunization	CORE	14	36	41	124	235	450	45.0
ER 600.01	Principles of Epidemiology	CORE	18	12	12	12	6	60	6.0
ER 600.02	Principles of Biostatistics	CORE	18	12	12	12	6	60	6.0
EE 600	Bioethics	CORE	18	12	12	12	6	60	6.0
Total			68	72	77	160	253	630	63.0

Semester 2 Year 1

Course code	Course name	Core or elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Clinical + Practical Hrs	Total Hrs	Credits
CH 601	Haematology, Neonatology and Metabolic Disorders	CORE	6	60	37	148	279	530	53.0
HE 600	Educational Principles and Practices and Practices for Health Sciences Professionals	CORE	5	20	5	25	45	100	10.0
Total			11	80	42	173	324	630	63.0

Semester 1 Year 2

Course code	Course name	Core or elective	Lecture Hrs	Tutorial Seminar Hrs	Assignment Hrs	Independent Study Hrs	Clinical/Practical Hrs	Total Hrs	Credits
CH 602	Infectious Diseases, Dermatology and Pulmonary disorders	CORE	9	72	36	140	313	570	57.0
CH 699.01	Dissertation: proposal	CORE	2	12	10	36	0	60	6.0

	development								
Total			11	84	46	176	313	630	63.0

Semester 2 Year 2

Course code	Course name	Core or elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Clinical /Practical Hrs	Total Hrs	Credits
CH 603	Disorders of Cardiovascular, Neurological Disorders, Renal Disorders and Paediatric disorders of immunology and allergy	CORE	9	72	36	121	314	528	52.8
CH 699.02	Dissertation: Data collection	CORE	0	0	6	72	0	78	7.8
Total			9	72	42	153	314	630	63.0

Semester 1 Year 3

Course code	Course name	Core or elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Clinical/Practical Hrs	Total Hrs	Credits
CH 604	Paediatric Oncology, Paediatric Rheumatology, Paediatric Gastrointestinal Disorders and Paediatric endocrine disorders	CORE	9	72	36	85	266	468	46.8
CH 699.03	Dissertation: Data analysis and Report writing	CORE	0	0	6	36	0	42	4.2
HP 609	Leadership, Management and Entrepreneurship in Health	CORE	21	24	22	35	18	120	12.0
Total			30	96	64	156	280	630	63.0

Semester 2 Year 3

Course code	Course name	Core or elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Clinical/Practical Hrs	Total Hrs	Credits
CH 605	Mental disorders in childhood, Adolescent medicine, Child Welfare, and protection, Child care in pandemics and emergencies	CORE	9	72	36	145	346	608	60.3
CH 699.04	Dissertation: Dissertation defense	CORE	0	0	4	18	0	22	2.2
Total			9	72	40	163	346	630	63.0

Master of Medicine in Psychiatry– MHM94

This is a three years programme aimed to produce specialists in psychiatry who are capable of best practices in the discipline of psychiatry and mental health including clinical care, research, consultancy and leadership.

MMed Psychiatry Entry requirements

Doctor of Medicine or equivalent with a minimum of ‘**B**’ grade in Psychiatry and Mental Health at undergraduate level and a minimum **GPA of 2.7. PLUS**, a 2- years of post-internship working experience.

MMed Psychiatry Degree Programme courses

Semester 1 Year 1

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
EE 600	Bioethics	Core	18	12	12.	12	6	60	6.0
ER 600	Epidemiology, Biostatistics, and Research Methodology	Core	36	24	24	24	12	120	12.0
PS 600	Applied neurosciences specific to Psychiatry	Core	7	66	28.5	116	232.5	450	45.0
Total			61	102	64.5	152	250.5	630	63.0

Semester 2 Year 1

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PS 601	Psychological, Social, and Measurement	Core	4	24	10	70	93	169	16.9

	Sciences in Psychiatry								
PS 602	General adult Psychiatry	Core	7	43	18	126	167	361	36.1
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	47.5	3	7	10	1.5	100	10.0
Total			58.5	70	35	206	259	630	63.0

Semester 3 Year 2

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PS 603	Child and Adolescents,	core	9	56	23	163	214	465	46.5

	Liaison and Emergency care, and Addiction Psychiatry								
PS 699	Dissertation	core	2	2	6	70	82	165	16.5
Total			11	58	29	233	296	630	63.0

Semester 4 Year 2

Course code	Course name	Core/ele ctive	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PS 604	Forensic Psychiatry	core	9	56.5	23.5	165	217	471	47.1
PS 699	Dissertation	core	1.5	1.5	9	68	79	159	15.9
Sub- Total			10.5	58	32.5	233	296	630	63.0

Semester 5 Year 3

Course code	Course name	Core/ele ctive	Lecture (Hrs)	Tutorial/S eminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PS 605	Old and Rehabilitation Psychiatry	core	9	56.5	23.5	165	217	471	47.1
PS 699	Dissertation	core	1.5	1.5	9	68	79	159	15.9
HP 609	Leadership,	Core	21	24	22	35	18	120	12.0

	Management, and Entrepreneurship in Health								
Total			10.5	58	32.5	233	296	630	63.0

Semester 6 Year 3

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/S eminar (Hrs)	Assign ment (Hrs)	Independe nt study/rese arch (Hrs)	Practical (Hrs)	Total Hours	Credits
PS 606	Social and Community Psychiatry	core	9	56.5	23.5	165	217	471	47.1
PS 699	Dissertation	core	1.5	1.5	9	68	79	159	15.9
Total			10.5	58	32.5	233	296	630	63.0

Master of Medicine in General Surgery Programme -MHM95

This is a four years programme aimed to cultivate competencies for proficient clinical practice in general surgery, emphasizing a patient-focused team approach to uphold patient interests and safety.

MMed General Surgery Entry requirements

- i. Doctor of Medicine or equivalent with a minimum of “**B**” grade in Surgery at undergraduate level **and** a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0. PLUS** 2-years of post-internship working experience.
- ii. The candidate must be fully registered as a medical practitioner **AND** is either holding a valid practice license **OR** is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). **OR** Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

MMed General Surgery courses

Semester 1 year 1

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU601	Principles of Surgery	Core	14	23	20	50	140	247	24.7
	Acute care Surgery	Core	10.5	25	7.5	50	110	203	20.3
HR600	Principles of Epidemiology	Core	18	12	12	12	6	60	6.0
	Principles of Biostatistics	Core	18	12	12	12	6	60	6.0
HE600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
	Total Credits							630	63.0

Semester 2 year 1

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU606	Principles of Plastic and reconstructive surgery	Core	10	20	10	40	120	200	20.0
	Paediatric Surgery	Core	10	20	10	40	120	200	20.0
HP 609	Educational Principals &	Core	30	10	12	12	6	70	7.0

	Practices for Health Sciences Professionals								
SU 699	Dissertation module 1 – Proposal development	Core	8	32	8	48	64	160	16.0
	Total credits							630	63.0

Semester 1 year 2

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 603	Principles of Neurosurgery	Core	10	20	10	40	120	200	20.0
	Principles of Orthopaedics and Bone Trauma		10	20	10	40	120	200	20.0
SU 699	Dissertation module 2 - Data Collection	Core	12	45	12	70	92	230	23.0
Total credits								630	63.0

Semester 2 year 2

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 602	Principles of Cardiothoracic Surgery	Core	10	20	10	40	120	200	20.0
	Basic Concepts in Urologic Surgery	Core	10	20	10	40	120	200	20.0
SU 699	Dissertation module 2 - Data Collection	Core	0	0	0	0	230	230	23.0
Total credits								630	63.0

Semester 1 year 3

Course code	Name of the course.	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 610	Principles in Gastrointestinal Surgery	Core	23.5	47	23.5	94	282	470	47.0
SU 699	Dissertation module 3 - Data Analysis and Report	Core	0	0	0	0	160	160	16.0
Total credits								630	63.0

Semester 2 year 3

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 611	Principles of Surgical Oncology	Core	28	56	28	112	336	560	56.0
SU 699	Dissertation module 4 - Submission, Examination and Dissemination	Core	0	0	0	20	50	70	7.0
	Total credits							630	63.0

Semester 1 year 4

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 612	Principles of Solid organ transplantation	Core	25.5	51	25.5	102	306	510	51.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
	Total credits							630	63.0

Semester 2 year 4

	Name of the Course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 613	Advances in surgery and surgical practice	Core	31.5	63	31.5	126	378	630	63.0
	Total credits							630	63.0

Master of Medicine in Anatomical Pathology Degree - MHM16

This is a three-years programme aiming at producing pathologists who can practice as laboratory consultants or researchers who are able to do clinico-pathological correlation for patient management.

MMed Anatomical Pathology Entry requirements

Candidates for admission into the Master of Medicine in Anatomical Pathology degree shall hold a Medical Doctor (MD) degree or an equivalent degree (MBChB, BMBCh, MBBS, MBS or MB) from a recognized University. Candidates holding an unclassified degree (e.g., MD) should have an overall GPA of 2.7 or above. A “B” or higher grade in the intended subject for specialization or related subjects where subjects were not examined independently at undergraduate level is an added advantage

MMed Anatomical Pathology Degree Programme courses

Semester 1 year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PA600	Principles of Pathology, Haematology and Blood Transfusion	Core	54	214	6	6	70	350	35.0
BM600	Cell and Molecular Biology	Core	40	10	15	30	5	100	10.0
ER600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE600	Bioethics	Core	18	12	12	12	6	60	6.0
Total credits			148	260	57	72	93	630	63.0

Semester 2 year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study	Practical (Hrs)	Total (Hrs)	Credits
PA601	Surgical Pathology 1; (Thorax, Abdomen, GUS, Placental, Perinatal & Pediatric Pathology and Dermatopathology)	Core	3	30	10	5	228	276	27.6
PA602	Laboratory Methods, Routine Staining, Histochemistry and Cancer Registration	Core	8	110	2	2	132	254	25.4
HE600	Educational	Core	30	20	20	20	10	100	10.0

	Principles and Practices for Health Sciences Professionals								
Total credits	41	160	32	27	370	630	63.0		

Semester 1 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PA603	Surgical Pathology 2; (Neuropathology, Musculoskeletal Pathology, Head and Neck pathology, Lymphoreticular System Pathology)	Core	5	20	3	2	168	198	19.8
PA604	Cytopathology	Core	5	20	3	2	70	100	10.0
PA605	Advanced Laboratory Methods, Molecular &	Core	10	50	5	5	90	160	16.0

	Digital Pathology								
LM 600	Laboratory Systems and Management	Core	8	14	10	28	10	70	7.0
PA699.01	Dissertation Module 1- Proposal development & Ethical approval	Core	1	7	2	2	90	102	10.2
Total credits			29	111	23	39	428	630	63.0

Semester 2 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PA606	Forensic Pathology, Toxicology & Autopsy Pathology	Core	10	80	5	5	200	300	30.0
PA607	Mortuary Management, Embalming & Cosmetology	Core	5	30	3	2	60	100	10.0

PA699.02	Dissertation Module 2 - Data Collection & Analysis	Core	10	10	5	5	200	230	23.0
Total credits			25	120	13	12	460	630	63.0

Semester 1 year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HP609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
PA608	Surgical Pathology Practice I	Core	20	15	15	7	238	295	29.5
PA699.03	Dissertation Module 3 - Write up and Submission of Dissertation	Core	5	5	3	2	200	215	21.5
Total credits			46	44	40	44	456	630	63.0

Semester 2 year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PA609	Surgical Pathology Practice II	Core	5	5	53	2	335	400	40.0
PA699.04	Dissertation Module 4 – Dissemination & Examination	Core	5	5	5	3	212	230	23.0
Total credits			10	10	58	5	547	630	63.0

Master of Medicine in Haematology and Blood Transfusion Programme - MHM92

This is a four years post-graduate programme which aims at producing specialists in clinical haematology, laboratory haematology and transfusion medicine. The candidate will be able to provide clinical service, train and conduct research in the field of haematology and blood transfusion.

MMed Haematology and Blood Transfusion Entry requirements

Candidates for admission into the Master of Medicine in Haematology and Blood Transfusion degree shall hold a Doctor of Medicine (MD) degree or its equivalent from a recognized university with cumulative GPA of 2.7 or above. A “B” or higher grade in Haematology/Pathology, Internal Medicine or Paediatrics and Child Health at undergraduate level is an added advantage.

MMed Haematology and Blood Transfusion Degree Programme courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CL 600.01	Principles of Clinical Pharmacology and Chemotherapy	Core	18	12	12	12	11	65	6.5
CL 600.02	Therapeutics	Core	12	9	9	9	5	44	4.4
BM 600	Molecular Biology	Core	40	10	15	30	5	100	10.0
PA 600	Principles of General Pathology and Haematology and Blood Transfusion	Core	10	40	20	30	41	141	14.1

HB 600	Principles of Haematology and Blood Transfusion	Core	1	10	4	75	10	100	10
ER 600	Principles of Biostatistics	Core	36	24	24	24	12	120	12
EE 600	Bioethics	Core	18	12	12	12	6	60	6
Total			134	107	97	212	80	630	63

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HE 600	Educational Principles and Practices for Health sciences	Core	68	5	10	15	2	100	10
HB 601	Principles of laboratory Haematology	Core	29	22	10	66	88	230	23
HB 602	Haematopoiesis	Core	6	66	18	90	120	300	30

	and Bone marrow failure syndromes								
Total		Core	103	93	37	171	210	630	63

Semester 3 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB603	Red Cell Disorders	Core	6	59	30	110	250	455	45.5
LM600	Laboratory Systems and Management	Core	8	14	10	28	10	70	7
HB699.01	Dissertation-Proposal Development	Core	25	21	6	11	42	105	10.5
Total			39	94	46	149	302	630	63

Semester 4 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB604	Blood Banking and Blood Transfusion Medicine	Core	5	52	26	130	312	525	52.5
HB699.02	Dissertation - Data Collection	Core	2	4	20	25	54	105	10.5
Total		Core	30	73	32	141	354	630	63

Semester 5 Year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits

HB605	Haemostasis and Thrombotic Disorders	Core	5	52	26	90	232	405	40.5
HP609	Leadership Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12
HB699.02	Data Collection	Core	2	4	20	25	54	105	10.5
Total			30	73	32	150	324	630	63

Semester 6 Year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB606	Palliative Care	Core	5	52	26	130	312	525	52.5
HB699.02	Dissertation - Data	Core	2	4	20	25	54	105	10.5

	Collection								
Total			30	73	32	141	354	630	63

Semester 7 Year 4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB607	Haematological Malignancies	Core	5	52	26	130	312	525	52.5
HB699.03	Dissertation - Data analysis and report writing	Core	2	4	20	25	54	105	10.5
Total			30	73	32	141	354	630	63

Semester 8 Year 4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB608	Blood and Marrow Transplant and Cellular Therapy	Core	5	52	26	130	312	525	52.5
HB699.03	Dissertation - Data analysis and report writing	Core	2	4	20	25	54	105	10.5
Total			30	73	32	141	354	630	63

Master Of Medicine in Clinical Microbiology and Infectious Diseases - MHM98

This is a three years master's programme aiming at producing microbiology and infectious diseases specialists.

MMed Clinical Microbiology and Infectious Disease (Mmed.Cmid) Entry requirements

A medical graduate of a recognised university who has been admitted to the status of Doctor of Medicine, with a minimum GPA of 2.7 at the undergraduate level from recognized university.

MMed Clinical Microbiology and Infectious Disease programme courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
BM 600	Molecular Biology	Core	40	10	15	30	5	100	10.0
MI 600	Science and biology of bacteria and fungi	Core	6	60	20	44	110	240	24.0
PE 600	Medical Parasitology and Entomology	Core	8	48	16	24	14	110	11.0
Total			108	154	87	134	147	630	63.0

Semester 2 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 601	Fundamentals of Immunology	Core	8	30	18	40	74	170	17.0
MI 602	Science and biology of viruses	Core	8	40	18	40	74	180	18.0
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10.0
MI 603	Molecular Diagnostic of Infection	Core	10	30	20	50	70	180	18.0
Total			56	120	76	150	228	630	63.0

Semester 1 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 604	Applied Medical Microbiology	Core	10	30	30	50	160	280	28.0
LM 600	Laboratory systems and management	Core	8	14	10	28	10	70	7.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
MI 699.01	Dissertation – Proposal development	Core	2	8	10	130	10	160	16.0
Total			41	76	72	243	198	630	63.0

Semester 2 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 605	Management of Infectious disease (Part 1)	Core	4	20	12	54	260	350	35.0
MI 699.02	Dissertation- Data collection and analysis	Core	4	12	12	22	230	280	28.0
Total			8	32	24	76	490	630	63.0

Semester 1 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 613	Management of infectious disease	Core	4	20	12	54	260	350	35.0

	(Part 2)								
MI 699.02	Dissertation- Data collection and analysis	Core	4	12	12	22	230	280	28.0
Total			8	32	24	76	490	630	63.0

Semester 2 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MI 614	Public health microbiology	Core	6	12	24	115	228	385	38.5
MI 699.03	Dissertation – write up and presentation	Core	3	12	18	122	90	245	24.5
Total			9	24	42	237	318	630	63.0

Master of Medicine in Radiology -MHM13

This is a four years programme aiming at preparing competent Radiologist capable of providing specialist consultation and support in Vascular and Interventional Radiology, Neuroradiology, Thoracic and cardiac radiology, Head and Neck, Orthopaedic radiology and body imaging to enable evidence based clinical decisions.

MMed Radiology Degree Programme Entry requirements

- i. A holder of a Doctor of Medicine (MD) or its equivalent (MBChB and MBBS, not DDS) with an overall GPA of 2.7 or above from a recognized institution.
- ii. A candidate should possess a valid practicing license allowing practicing of Doctor of Medicine with a Working experience of at least 2 years

MMed Radiology Degree Programme courses

Semester 1 Year 1

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
AR 600	Radiological Anatomy	Core	30	30	22.5	22.5	45	150	15
PR 600.01	Radiology and Nuclear Physics and Radiobiology	Core	24	24	18	18	36	120	12
PR 600.02	Radiological Equipment Physics	Core	12	12	9	9	18	60	6
TR 600	Radiological procedures and Techniques	Core	24	24	18	18	36	120	12
ER 600	Epidemiology, Biostatistics and Research Methodology	Core	36	24	24	24	12	120	12
EE 600	Bioethics	Core	18	12	12	12	6	60	6
Total number of credits				144	126	103.5	103.5	153	630

Semester 2 Year 1

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
RA 601.01	Abdomen, Pelvic, Obstetric, Soft tissues and Vascular Ultrasound	Core	46	46	34	34	70	230	23.0
RA 601.02	Echocardiography	Core	30	30	22.5	22.5	45	150	15
RA 601.03	Medical Imaging Informatics and Artificial Intelligence	Core	30	30	22.5	22.5	45	150	15
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10
Total number of credits			136	126	99	99	170	160	630

Semester 1 Year 2

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
RA 602.01	Musculoskeletal Radiology	Core	54	54	40.5	40.5	81	270	27
RA 602.02	Gastrointestinal and Hepatobiliary Imaging	Core	54	54	40.5	40.5	81	270	27
RA 603.02	Introduction to Interventional Radiology Procedures	Core	18	18	13.5	13.5	27	90	9
	Total number of credits		126	126	94.5	94.5	189	630	63

Semester 2 Year 2

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
RA 603.01	Chest Imaging.	Core	60	60	45	45	90	300	30
RA 603.03	Patient care and Radiation Protection in Radiology Interventions	Core	32	32	24	24	48	160	16
RA 699.01	Dissertation: Proposal Writing	Core	9	8	10	92	51	170	17
	Total number of credits		101	100	79	161	189	630	63

Semester 1 Year 3

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
RA 604.01	Genitourinary Imaging.	Core	44	44	33	33	66	220	22

RA 604.02	Neuroradiology	Core	50	50	37.5	37.5	75	250	25
RA 604.03	Head and Neck Imaging	Core	32	32	24	24	48	160	16
	Overall Total Credits		126	126	94.5	94.5	189	630	63

Semester 2 Year 3

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
RA 605.01	Cardiovascular Imaging	Core	44	44	33	33	66	220	22
RA 605.02	Basic Non-Vascular IR Procedures	Core	53	26.5	26.5	79.5	79.5	250	25
RA 699.02	Dissertation - Data Collection	Core	10	5	25	60	60	160	16
	Overall Total Credits		97	75.5	84.5	172.5	205.5	630	63

Semester 1 Year 4

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
RA 606.01	Pediatric Imaging	Core	39	36	23	10	72	180	18
RA 606.02	Nuclear Imaging,	Core	34	34	25.5	25.5	51	170	17
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12
RA 699.03	Dissertation – data analysis and report writing	Core	10	5	25	60	60	160	16
	Overall Total Credits		104	99	95.5	130.5	201	630	63

Semester 2 Year 4

Course Code	Course Name	Core/ Elective	Lecture hours	Tutorial/Seminar hours	Assignment hours	Independent study hours	Practical hours	Total hours	Credits
RA 607.01	Breast, Gynecologic and Obstetric Imaging	Core	60	60	45	45	90	300	30
RA 607.02	Basic IR Vascular Accesses	Core	34	34	25.5	25.5	51	170	17
RA 699.04	Dissertation-submission and defense	Core	10	5	25	60	60	160	16
	Overall Total Credits		104	99	95.5	130.5	201	630	63

MMed Urology Degree Programme Courses

This is a four years programme aimed to cultivate competencies for proficient clinical practice in Urology, emphasizing a patient-focused team approach to uphold patient interests and safety.

MHM96 MMed Urology Entry requirements

- 1 Doctor of Medicine or equivalent with a minimum of “**B**” grade in Surgery at undergraduate level **and** a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0. PLUS** 2-years of post-internship working experience.
- 2 The candidate must be fully registered as a medical practitioner AND is either holding a valid practice license OR is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). **OR** Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

Semester 1 year 1

Course code	Name of the course	Core/Elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 601	Principles of General	Core	10	25	15	40	135	225	22.5
	Acute care Surgery	Core	10	25	15	40	135	225	22.5
HR 600	Principles of Epidemiology	Core	18	12	12	12	6	60	6.0
	Principles of Biostatistics	Core	18	12	12	12	6	60	6.0
HE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
	Total Credits							630	63.0

Semester 2 year 1

Course code	Name of the course	Core/ Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 606	Principles in paediatrics, Plastic and reconstructive surgery	Core	20	40	20	80	240	400	40.0
HE 600	Educational Principals & Practices for Health Sciences Professionals	Core	30	10	12	12	6	70	7.0
UR 699	Dissertation module 1 – Proposal development	Core	8	32	8	48	64	160	16.0
Total credits								630	63.0

Semester 1 year 2

Course code	Name of the course	Core/Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 606	Principles in gastrointestinal Surgery	Core	50	50	32	92	30	470	40.0
UR 699	Dissertation module 1 – Proposal development	Core	8	32	8	48	64	160	16.0
Total credits								630	63.0

Semester 2 year 2

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 602	Principles of Urologic practice	Core	70	50	32	92	246	470	47.0
UR 699	Dissertation module 1 – Proposal development	Core	8	32	8	48	64	160	16.0
	Total credits							630	63.0

Semester 1 year 3

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 606	Principles of Urogynaecology and Andrology	Core	20	40	50	100	300	510	51.0
HP 609	Leadership, Management, and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
	Total credits							630	63.0

Semester 2 year 3

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 611	Principles of Urological-Oncology	Core	28	56	28	112	336	560	56.0
SU 699	Dissertation module 4 - Submission, Examination and Dissemination	Core	0	0	0	20	50	70	7.0
Total credits								630	63.0

Semester 1 year 4

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 612	Principles of Solid organ transplantation	Core	25.5	51	25.5	102	306	510	51.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
Total credits								630	63.0

Semester 2 year 4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 605	Current Advances in urologic practice and state of the art techniques	Core	31.5	63	31.5	126	378	630	63.0
	Total credits							630	63.0

Semester 1 year 1

Course code	Name of the course	Core/Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 601	Principles of General	Core	10	25	15	40	135	225	22.5
	Acute care Surgery	Core	10	25	15	40	135	225	22.5
HR 600	Principles of Epidemiology	Core	18	12	12	12	6	60	6.0
	Principles of Biostatistics	Core	18	12	12	12	6	60	6.0
HE 600	Foundation of Bioethics	Core	18	12	12	12	6	60	6.0
	Total Credits							630	63.0

Semester 2 year 1

Course code	Name of the course	Core/ Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 606	Principles in paediatrics, Plastic and reconstructive surgery	Core	20	40	20	80	240	400	40.0
HE 600	Educational Principals & Practices for Health Sciences Professionals	Core	30	10	12	12	6	70	7.0
UR 699	Dissertation module 1 – Proposal development	Core	8	32	8	48	64	160	16.0
Total credits								630	63.0

Semester 1 year 2

Course code	Name of the course	Core/Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 606	Principles in gastrointestinal Surgery	Core	50	50	32	92	30	470	40.0
UR 699	Dissertation module 1 – Proposal development	Core	8	32	8	48	64	160	16.0
	Total credits							630	63.0

Semester 2 year 2

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 602	Principles of Urologic practice	Core	70	50	32	92	246	470	47.0
UR 699	Dissertation module 1 – Proposal development	Core	8	32	8	48	64	160	16.0
	Total credits							630	63.0

Semester 1 year 3

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 606	Principles of Urogynaecology and Andrology	Core	20	40	50	100	300	510	51.0
HP 609	Leadership, Management, and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
	Total credits							630	63.0

Semester 2 year 3

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 611	Principles of Urological-Oncology	Core	28	56	28	112	336	560	56.0
SU 699	Dissertation module 4 - Submission, Examination and Dissemination	Core	0	0	0	20	50	70	7.0
	Total credits							630	63.0

Semester 1 year 4

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 612	Principles of Solid organ transplantation	Core	25.5	51	25.5	102	306	510	51.0
HP 609	Leadership, Management and Entrepreneurship in Health	Core	21	24	22	35	18	120	12.0
	Total credits							630	63.0

Semester 2 year 4

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 605	Current Advances in urologic practice and state of the art techniques	Core	31.5	63	31.5	126	378	630	63.0
	Total credits							630	63.0

MASTER OF MEDICINE -NEUROSURGERY

This is a five years programme aimed to cultivate competencies for proficient clinical practice in Neurosurgery, emphasizing a patient-focused team approach to uphold patient interests and safety

Entry requirements/qualifications

MMED NEUROSURGERY,

Entry requirement/qualifications

Doctor of Medicine or equivalent with a minimum of “**B**” grade in Surgery at undergraduate level **and** a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0. PLUS** 2-years of post-internship working experience.

The candidate must be fully registered as a medical practitioner **AND** is either holding a valid practice license **OR** is retained in the register of practitioners by The Medical Council of Tanganyika (MCT). **OR** Possess eligibility to be registered and licensed by The MCT by means of holding a certificate of good conduct from the Medical Practitioners Board or any equivalent authority from the country of origin at time of application

Semester 1 year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 600	Applied basic sciences in neurosurgery	Core	18	36	36	80	180	350	35.0
ER 600	Epidemiology, biostatistics and research methodology	Core	36	24	24	24	12	120	12.0
EE 600	Bioethics	Core	6	18	6	18	12	60	6.0
HE 600	Educational principle and practices for the health sciences professionals	Core	5	20	5	25	45	100	10.0
Total			65	98	71	147	249	630	63.0

Semester 2 year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 601	Principles of basic Neurosurgery	core	0	8	86	200	300	594	59.4
NS 699	Dissertation in Neurosurgery	Core	0	3	20	5	8	36	3.6
Total			0	11	106	205	308	630	63

Semester 1 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Ns 602	Neurology and neurosurgery	Core	0	8	86	200	300	594	59.4

NS 699	Dissertation in Neurosurgery	Core	0	3	20	5	8	36	3.6
Total			0	11	106	205	308	630	63

Semester 2 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutoria l/ Semina r (Hrs)	Assignme nt (Hrs)	Independ ent Study (Hrs)	Practi cal (Hrs)	Total (Hrs)	Credits
NS 603	Neurotrau ma, Neurocritic al care and CNS infections	Core	0	8	86	200	300	594	59.4
NS 699	Dissertatio n in Neurosurge ry	Core	0	3	20	5	8	36	3.6
Total			0	11	106	205	308	630	63

Semester 1 year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 604	Operative neurosurgery and neurosurgical approaches	Core	0	8	66	100	224	398	39.8
NS 699	Dissertation in Neurosurgery	Core	0	3	20	5	8	36	3.6
HP 609	Leadership and Entrepreneurship	CORE	4	4	30	60	98	196	19.6
Total			4	15	116	165	330	630	63

Semester 2 year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 605	Neurooncology, neuroimaging and diagnostics	Core	0	8	86	200	300	594	59.4
NS,699	Dissertation in Neurosurgery	Core	0	3	20	5	8	36	3.6
Total			0	11	106	205	308	630	63

Semester1 year 4

Couse code	Course Name	Core or Elective	Lectures (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent (Hrs)	Practical (Hrs)	Total	Credit
NS 606	Paediatric Neurosurgery	Core	0	8	86	200	300	594	59.4
NS 699	Dissertation in Neurosurgery	Core	0	3	20	5	8	36	3.6
Total			0	11	106	205	308	630	6

Semester 2 year 4

Course Code	Course Name	Core or Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent (Hrs)	Practical (Hrs)	Total	Credit
NS 607	The vascular, stereotactic ,functional and skull base Neurosurgery	Core	0	8	86	200	300	594	59.4
NS 699	Dissertation in Neurosurgery	Core	0	3	20	5	8	36	3.6
Total			0	11	106	205	308	630	63

Semester 1 year 5

Course code		Core or elective	Lecture (hrs)	Tutorial/ Seminar (hrs)	Assignment (hrs)	Independent (hrs)	Practical (hrs)	Total	Credit
NS 608	Fellowship in spine Management	CORE	0	11	106	205	308	630	63
Total			0	11	106	205	308	630	63

Semester 2 year 5

Course Code	Course Name	Core or Elective	Lecture (hrs)	Tutorial/ Seminar (hrs)	Assignment (hrs)	Independent (hrs)	Practical (hrs)	Total	Credit
NS 609	Fellowship in endovascular intervention Neurosurgery	CORE	0	11	106	205	308	630	63
Total		-	0	11	106	205	308	630	63

Examination regulations for the MMed programmes

- (i) General University Examination regulations on registration, registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter 1.
- (ii) The MMed degree programmes are eight (8)-semesters with a maximum tenure of ten (10) semesters.
- (iii) All modules or modular 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.
- (iv) There shall be at least two Continuous Assessment Tests (CAT) for each module/modular course or rotation taught during semester one and at least one CAT in each of semesters 2-8 and regular assessment of competencies. CAT and assessment of competencies shall form the Formative Assessment (FA).
- (v) The FA in semesters 2-8 shall consist of evaluation of clinical and other competency domains using appropriate tools in addition to written examination.
- (vi) The FA shall contribute 50% of the final grade in the end of module/ modular course or rotation. The Summative Assessment (SA) shall include assessment of all competency domains using appropriate tools.
- (vii) The SA for semesters 2-8 shall consist of written, clinical/practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively. To pass a module, course or rotation a candidate has to attain a B grade or higher.
- (viii) Decision-making on failing students in basic science modules/courses shall be determined at the end of the audit

year, unless a student has failed more than 3 courses in the first semester who will be discontinued.

- (ix) Candidates who are full time graduate students are required to have attained a minimum GPA of 2.4 before proceeding to the following year of study.
- (x) A candidate who passes the examination with a B grade or higher will be declared to have passed the examination.
- (xi) A candidate who scores a GPA of 2.4 or higher, but fails in 3 courses or less at end of the audit year shall be required to supplement in the failed modules in the course(s).

- (xii) A candidate who scores a GPA of 2.4 or higher, but fails in more than 3 courses shall be discontinued from studies.
- (xiii) A candidate who fails all courses in a programme with at least three courses in an audit year shall be discontinued from the studies irrespective of the GPA.
- (xiv) A candidate who fails the second supplementary examination in semesters 1 - 4 shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xv) A candidate who fails the second supplementary examination in semesters 3-4 for two-year programmes, semesters 5-6 for three-year programmes and semesters 7-8 for four-year programmes shall be allowed to supplement the failed courses/modules/modular courses after semester four, six and eight for two-year, three year and four year programmes, respectively, provided the maximum tenure is not exceeded.
- (xvi) A student who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xvii) To pass the end of module/modular course or rotation examinations in semesters 2-8 the written and clinical/practical parts have to be PASSED SEPARATELY.
- (xviii) No candidate shall be allowed to repeat a semester or any year of study on academic grounds, except with special permission or approval of the Senate upon recommendation of a School or Academic Institute Board and the Senate Higher Degree Committee as the case may be.
- (xix) A student shall be awarded the MMed degree after passing all examinations in the prescribed courses in the programme and submitting an error free dissertation.
- (xx) In addition to these regulations, the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.
- (xxi) Notwithstanding the above regulations, postgraduate student shall observe civil service regulations and therefore entitled to only one leave in a year during the long vacation.

Regulations on MMed dissertations

- (i) The dissertation shall consist of one research topic. This will be determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Medicine at least THREE MONTHS before the beginning of semester 6 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for

final examinations. The candidate shall be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MMed degree allows.

- (iii) Oral defense of the dissertation shall be done during the end of semester 6 University examinations.
- (x) A candidate, having passed all semester examinations, shall be required to re-submit error-free dissertation within the specified period as per dissertation examination regulations stipulated in the General Regulations and Guidelines for Postgraduate programmes.
- (iv) A dissertation re-submitted after major corrections shall be re-examined by both internal and external examiners
- (v) In case of outright rejection of a dissertation a candidate may submit another dissertation for examination after nine months provided the maximum tenure allows.
- (vi) A dissertation rejected by examiners after re-submission shall not be accepted for re-examination at this University.

Grading System for MMed programmes

- (i) Computation of the GPA for the MMed programmes shall be based on the number of credits approved for each course and shall be equated to the letter grade as shown below. However, the MMed degree shall not be classified: -

Letter grade	A	B+	B*	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 - 75%	74- 70%	69-60%	59- 50%	49- 40%	39-0%

* Pass mark

MSc SUPER-SPECIALIZATION DEGREE PROGRAMMES

These are four semesters post-MMed programmes intended to train doctors to attain specialized knowledge and skills in various sub-disciplines.

MSc Super specialty in Cardiology Degree Programme - MHM130

This is a four semester (two years) post MMed degree which produces specialists in Cardiology and provide clinical services to patients with cardiac diseases, train others and conductoperational research in the field of Cardiology.

MSc Super specialty in Cardiology Entry requirements

Master of Medicine in Internal Medicine or Paediatrics and Child Health or equivalent

MSc Super specialty in Cardiology Degree Programme Courses

Semester 1 Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
CR 600	Applied basic sciences in cardiology, cardiac evaluation, valvular and hypertensive heart disease heart failure and principle of cardiac surgery	CORE	15	152	57	98	201	523	52.3
CR 699	Clinical Audit; Proposal writing	CORE	1	1	61	29	15	107	10.7
Sub-Total								630	63.0

Semester 2 Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
CR 601	Congenital Heart disease, Pulmonary vascular disorders and coronary heart disease	CORE	15	167	37	66	184	469	46.9
CR 699	Clinical Audit Data collection	CORE	1	7	91	39	23	161	16.1
Sub-Total								630	63.0

Semester 3 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
CR 602	Arrhythmias, cardiomyopathy	CORE	15	91	102	76	239	523	52.3

	s, myocardial, pericardial diseases and myocardial tumors								
CR 699	Clinical audit; Data management and analysis	CORE	1	1	15	29	61	107	10.7
Sub-Total								630	63.0

Semester 4 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
CR 603	Therapeutic, peripheral vascular disorders and cardiac disorders of	CORE	15	76	102	76	216	485	48.5

	special groups								
CR 699	Clinical audit; Report writing	CORE	1	1	46	36	61	145	14.5
Sub- Total								630	63.0

MSc Super specialty in Medical Gastroenterology and Hepatology Degree Programme - MHM120

This is a four semester (two years) post MMed degree which is intended to produce specialists in gastroenterology and Hepatology who will be able to provide clinical services to patients with GIT and hepatic disorders and train others in this field.

MSc Medical Super specialty in Gastroenterology and Hepatology Entry requirements

Master of Medicine in Internal Medicine or Paediatrics and Child Health or equivalent.

MSc Super specialty in Medical Gastroenterology and Hepatology Degree Programme courses

Semester 1 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GE 600	CORE	15	152	57	98	201	523	52.3
GE 699	CORE	1	1	61	29	15	107	10.7
Total							630	63.0

Semester 2 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GE601	CORE	15	167	37	66	184	469	46.9
GE 699	CORE	1	7	91	39	23	161	16.1
Total							630	63.0

Semester 1 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GE 602	CORE	15	91	102	76	239	523	52.3
GE 699	CORE	1	1	15	29	61	107	10.7
Total							630	63.0

Semester 2 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GE603	CORE	15	76	102	76	216	485	48.5
GE699	CORE	1	1	46	36	61	145	14.5
Total							630	63.0
Grand Total							2520	252.0

MSc Super specialty in Surgical Gastroenterology and Hepatology Degree Programme - MHM 51

This is a four semester (two years) post MMed degree which produces specialists in surgical gastroenterology and hepatology to provide clinical services to patients with surgical GIT and hepatic disorders, train others and conduct operational research in this field.

MSc Super specialty in Surgical Gastroenterology and Hepatology Entry requirements

Master of Medicine in Surgery or equivalent.

MSc Super specialty in Surgical Gastroenterology and Hepatology Degree Programme courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GS600	Surgical Diseases of the upper gastrointestinal tract	Core	25	25	50	100	300	520	52.0
GS 699	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	110	11.0
Total			31.5	31.5	76	1325	358.5	630	63.0

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GS601	Diseases of lower Gastrointestinal	Core	25	25	50	100	300	500	50.0
GS 688	Clinical Audits	Core	6.5	6.5	26	32.5	58.5	130	13.0
Total			31.5	31.5	76	1325	358.5	630	. 63.0

Semester 3 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GS 602	Diseases of	Core	25	25	50	100	300	500	50.0

	the bile ducts and pancreas								
GS 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	130	13.0
Total			31.5	31.5	76	1325	358.5	630	63.0

Semester 4 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
GS 603	Disease of the Liver and Transplantology	Core	25	25	50	100	300	530	53.0
GS 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	100	10.0
Total			31.5	31.5	76	1325	358.5	630	63.0

MSc Super specialty in Paediatric Haematology and oncology - MHM137

Enables a paediatric specialist to acquire skills and knowledge in clinical and laboratory paediatric haematology/oncology and who will be able to provide clinical services, train and conduct research in the field of paediatric haematology/oncology.

MSc Paediatric Haematology and oncology Entry requirements

Master of Medicine in Paediatrics and Child Health or equivalent.

MSc Super specialty in Haematology and Blood Transfusion Degree Programme courses

Year 1

Course name	Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)		Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
			Online	Conventional	Online	Conventional		Conventional		
Basic Hematology	HH 601.1	Core	45	72	27	36	122	284	586	58.6
Basic Oncology	HH 601.2	Core	45	72	27	36	116	270	566	56.6
Clinical audit	HH 688	Core	4	2		12	72	18	108	10.8
	Total		94	146	54	84	310	572	1260	126.0

Year 2

Course Name	Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)			Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
			Online	Conventional	Online	Conventional			Conventional		

Advanced Hematology	HH 602.1	Core	45	72	27	36	116	272	568	56.8
Advanced Oncology	HH 602.2	Core	45	72	27	36	116	270	566	56.6
Clinical audit	HH 688	Core	0	8	0	10	36	72	126	12.6
	Total		90	152	54	82	268	614	1260	126.0

MSc Super specialty in Nephrology Degree Programme - MHM121

This is a four semester (two years) post MMed degree which is intended to produce specialists in nephrology who will be able to provide clinical services to patients with renal diseases, train others and conduct operational research in this field.

MSc Nephrology Super specialty in Entry requirements

Master of Medicine in Internal Medicine or Paediatrics and Child Health or equivalent.

MSc Super specialty in Nephrology Degree Programme courses

Semester 1 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NP 600	Core	15.0	152.0	57.0	98.0	200	522	52.2
NP 699	Core	2.0	2.0	60.0	28.0	16.0	108	10.8
Total							630	63.0

Semester 2 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NP 601	Core	15.0	167.0	38.0	66.0	184.0	470	47.0
NP 699	Core	1.0	7.0	91.0	38.0	23.0	160	16.0
Total							630	63.0

Semester 3 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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NP 602	Core	15.0	167.0	38.0	66.0	184.0	470	47.0
NP 699	Core	1.0	7.0	91.0	38.0	23.0	160	16.0
Total							630	63.0

Semester 4 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NP 603	Core	15.0	76.0	102.0	76.0	216.0	485	48.5
NP 699	Core	1.0	1.0	45	38	60	145	14.5
Total							630	63.0

MSc Super specialty in Neurology Degree Programme - MHM122

This is a four semester (two years) post MMed degree which is intended to produce specialists in neurology who will be able to provide clinical services to patients with neurological diseases, train others and conduct research in this field.

MSc Super specialty in Neurology Entry requirements

Master of Medicine in Internal Medicine or Paediatrics and Child Health or equivalent.

MSc Super specialty in Neurology Degree Programme courses Semester 1 - Year 1

Semester 1 - Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/ research (Hrs)	Practical (Hrs)	Total Hours	Credits
NE 600	Applied Basic Sciences in Neurology, Manifestations of Neurological Diseases, Diagnostic Evaluation of Patients With Neurological Conditions	CORE	15	152	57	98	201	523	52.3
NE 699	Clinical audit - Proposal writing	CORE	1	1	61	29	15	107	10.7
Sub-Total								630	63.0

Semester 2 - Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/ research	Practical (Hrs)	Total Hours	Credits
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(Hrs)									
NE 601	Infections of the CNS, Cerebrovascular diseases, Metabolic disorders and CNS, Spinal Cord diseases	CORE	15	168	37	66	184	470	47.0
NE 699	Clinical audit: Data collection	CORE	1.0	7.0	91	38	23	160	16.0
Sub-Total								630	63.0

Semester 1 - Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/ research (Hrs)	Practical (Hrs)	Total Hours	Credits
NE 602	Memorizing dysfunction, Movement disorders, Deficiency states of the CNS, Dementias	CORE	15	91	102	76	239	523	52.3
NE 699	Clinical audit - Data management and analysis	CORE	1.0	1.0	15	29	61	107	10.7
Sub-Total								630	63.0

Semester 2 - Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/ research (Hrs)	Practical (Hrs)	Total Hours	Credits
NE 603	Episodic disorders, Brain tumours, Peripheral neuropathies and Muscle Diseases	CORE	15	76	102	76	216	485	48.5
NE 699	Clinical audit - Report writing and submission	CORE	1.0	1.0	45	37	61	145	14.5
Sub-Total								630	63.0

MSc Super specialty in Neurosurgery degree Programme - MHM123

This is a three-year, six semester specialist degree programme which trains highly skilled professionals able to perform neurosurgical procedures to patients with neurosurgical conditions. The specialists teach their juniors and carry out operational research in neurosurgery.

MSc Super specialty in Neurosurgery Entry requirements

Master of Medicine in General Surgery or equivalent.

MSc Super specialty in Neurosurgery degree Programme courses

Semester 1 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 600.1 Neuroanatomy	Core	6	24	6	30	54	120	12
NS 600.2 Neurophysiology	Core	6	24	6	30	54	120	12
NS 600.3 Neuropathology	Core	6	24	6	30	54	120	12
NS 600.4 Neuroradiology	Core	6	24	6	30	54	120	12
NS 600.5 Neurology	Core	6	24	6	30	54	120	12
Total							600	60

Semester 2 Year 1

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 601 Principles of Operative	Core	30	120	30	150	270	600	60

Neurosurgery								
Total							600	60

Semester 3 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 602 Neurotrauma. Infections. Critical care	Core	25	100	25	125	225	500	50
NS 688 Clinical Audit	Core	1	3	1	50	45	100	10
Total							600	60

Semester 4 Year 2

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 603 Neuro-oncology	Core	25	100	25	125	225	500	50
NS 688 Clinical Audit	Core	1	3	1	50	45	100	10
Total							600	60

Semester 5 Year 3

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 604 Pediatric and Functional Neurosurgery.	Core	25	100	25	125	225	500	50
NS 688 Clinical Audit	Core	1	1	1	7	90	100	10
Total							600	60

Semester 6 Year 3

Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NS 605 Vascular Neurosurgery	Core	25	100	25	125	225	500	50
NS 688 Clinical Audit	Core	1	1	1	7	90	100	10
Total							600	60

MSc Super specialty in Respiratory Medicine Degree Programme - MHM124

This is a four semester (two years) post MMed degree which is intended to produce specialists in respiratory medicine who will be able to provide clinical services to patients with respiratory diseases, train others and conduct research in this field.

MSc Super specialty in Respiratory Medicine Entry requirements

Master of Medicine in Internal Medicine or Paediatrics and Child Health or equivalent.

MSc Super specialty in Respiratory Medicine Degree courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
RM 600	Applied biomedical sciences and diagnostic evaluation in respiratory diseases, Critical care, Bronchology	CORE	0.0	35.0	70.0	91.0	266.0	462	46.2
RM 699	Clinic audit – Proposal writing	CORE	0	0	28	70	70	168	16.8
Total			0	35	98	161	336	630	63

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
RM	Infections,	CORE	0	38	70	70	284	462	

601	Neoplasms, Obstructive lung diseases, disorders of the pulmonary circulation and radiology								46.2
RM 699	Clinical audit: Data collection	CORE	0	0	28	70	70	168	16.8
Total			0	38	98	140	354	630	63.0

Semester 1 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
RM 602	Infiltrative and Interstitial lung diseases, environmental and occupational diseases and disorders of pleurae and Mediastinum and Lung neoplasms	CORE	0	36	70	70	286	462	46.2

RM 699	Clinical audit: Data management and analysis	CORE	0	0	28	70	70	168	16.8
Total			0	36	98	140	356	630	63.0

Semester 2 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
RM 603	Respiratory manifestations of nonrespiratory disorders, Respiratory failure, Prevention and control of lung diseases and sleep medicine.	CORE	0	31	48	48	335	462	46.2
RM 699	Clinical audit: Report writing and submission	CORE	0	0	28	70	70	168	16.8
Total			0	31	76	118	405	630	63.0

MSc. Super specialty in Cardiothoracic Anaesthesia and Critical Care Degree Programme - MHM148

This is a four semester (two years) post-MMed degree which produces specialists in Cardiothoracic Anaesthesia and Critical Care who will be able to provide specialized services to patients undergoing cardiac, thoracic and vascular surgical procedures, cardiac electrophysiological diagnostic/therapeutic procedures and specialized care of critically ill patients.

MSc. Super specialty in Cardiothoracic Anaesthesia and Critical Care Entry requirements

Master of Medicine in Anaesthesiology or equivalent.

MSc. Super specialty in Cardiothoracic Anaesthesia and Critical Care Degree Programme courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 700	Applied basic and allied sciences for cardiothoracic and vascular anaesthesia	Core	25	25	50	100	300	520	52.0
MA 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	110	11.0
Total			31.5	31.5	76	1325	358.5	630	63.0

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 701	Anaesthesia for thoracic, vascular, cardiac diagnostic and interventional	Core	25	25	50	100	300	500	50.0

	procedures; Cardiopulmonary Bypass Techniques								
MA 688	Clinical Audits	Core	6.5	6.5	26	32.5	58.5	130	13.0
Total			31.5	31.5	76	132.5	358.5	630	63.0

Semester 1 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 702	Anaesthesia for Paediatric cardiac surgery, congenital and acquired cardiac diseases and special groups	Core	25	25	50	100	300	500	50.0
MA 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	130	13.0
Total			31.5	31.5	76	132.5	358.5	630	63.0

Semester 2 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MA 703	Cardiothoracic and vascular critical care	Core	25	25	50	100	300	530	53.0
MA 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	100	10.0
Total			31.5	31.5	76	1325	358.5	630	63.0

MSc Super specialty in Urology Degree Programme - MHM125

This is a four semester (two years) post MMed degree which produces specialists in Urology to provide clinical services to patients with urological disorder, train others and conduct operational research in this field.

MSc Super specialty in Urology Entry requirements

Master of Medicine in Surgery or equivalent.

MSc Super specialty in Urology Degree Programme courses

Semester 1 year 1

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 606	Principles of Urogynaecology and Andrology	Core	28	56	28	112	336	560	56.0
UR 699	Clinical Audit	Core	0	0	0	20	50	70	7.0
	Total credits							630	63

Semester 2 year 1

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR 611	Principles of Urological Oncology	Core	28	56	28	112	336	560	56.0
UR 699	Clinical Audit	Core	0	0	0	20	50	70	7.0
	Total credits							630	63.0

Semester 1 year 2

Course code	Name of the course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
SU 612	Principles of Solid organ transplantation	Core	28	56	28	112	336	560	56.0
UR 699	Clinical Audit	Core	0	0	0	20	50	70	7.0
	Total credits							630	63.0

Semester 2 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UR606	Advances in Urology and urologic practice	Core	28	56	28	112	336	560	56.0
UR 699	Clinical Audit	Core	0	0	0	20	50	70	7.0
	Total credits							630	63.0

MSc Super specialty in Plastic and Reconstructive Surgery Degree Programme - MHM127

This is a four semester (two years) post-MMed degree which produces specialists in Plastic and Reconstructive Surgery to provide clinical services to patients with surgical reconstruction needs, train others and conduct operational research in this field.

MSc Super specialty in Plastic and Reconstructive Surgery Entry requirements

Master of Medicine in Surgery or equivalent.

MSc Super specialty in Plastic and Reconstructive Surgery Programme courses

Semester 1 year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PRS 600	General principles of Plastic and reconstructive surgery practice	Core	25	25	50	100	300	520	52.0
PRS 688	Clinical Audit – proposal	Core	0	0	0	0	110	110	11.0
								630	63.0

Semester 1 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PRS 601	Plastic surgery of integument, head and Neck		Core	25	25	50	100	300	520
PRS 688	Clinical Audit – Data collection		Core	0	0	0	0	110	110
								630	63.0

Semester 2 year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PRS 602	Plastic surgery of upper and lower extremity, trunk and breast	Core	25	25	50	100	300	520	52.0
PRS 688	Clinical Audit - Report	Core	0	0	0	0	110	110	11.0
								630	63.0

Semester 2 year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PRS 603	Plastic surgery of genitourinary system and the practice of plastic surgery	Core	25	25	50	100	300	520	52.0

PRS 688	Clinical Audit - submission	Core	0	0	0	0	110	110	11.0
								630	63.0

MSc Super specialty in Vascular and Interventional Radiology Degree Programme - MHM126

This is a four semester (two years) post-MMed degree which produces specialists in vascular and Interventional Radiology to provide clinical services to patients, train others and conduct operational research in this field.

MSc Super specialty in Vascular and Interventional Radiology Entry requirements

Master of Medicine in Radiology or equivalent.

MSc Super specialty in Vascular and Interventional Radiology Programme courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR601.01	Surgical Technique, Imaging Equipment and Radiation Safety	Core	13.5	40.5	13.5	81	121.5	270	27
IR601.02	Pharmacology in IR and Patient Monitoring	Core	13.5	40.5	13.5	81	121.5	270	27
IR699.01	Clinical Audit: Proposal Writing	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits			31.5	94.5	31.5	189	364.5	630	63

Semester 2 Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR602.01	Basic Non-Vascular Percutaneous Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR602.02	Advanced Non-Vascular	Core	13.5	40.5	13.5	81	121.5	270	27

	Percutaneous Procedures								
IR699.02	Clinical Audit: Data collection	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits			31.5	94.5	31.5	189	364.5	630	63

Semester 3 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR603.01	Basic Venous Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR603.02	Basic Arterial Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR699.03	Clinical Audit: Data management and analysis	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits			31.5	94.5	31.5	189	364.5	630	63

Semester 4 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR604.01	Advanced Venous Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR604.02	Advanced Arterial Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR699.04	Clinical Audit: Write-up and submission	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits			31.5	94.5	31.5	189	364.5	630	63

MSc Super specialty in Neuroradiology Degree Programme - MHM141

This is a four semester (two years) post-MMed degree which produces specialists in Neuroradiology to provide diagnostic and clinical services to patients, train others and conduct operational research in this field.

MSc Super specialty in Neuroradiology Entry requirements

Master of Medicine in Radiology or equivalent.

MSc Super specialty in Neuroradiology Degree Programme courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR601.01	Surgical Technique, Imaging Equipment and Radiation Safety	Core	13.5	40.5	13.5	81	121.5	270	27
IR601.02	Pharmacology in IR and Patient Monitoring	Core	13.5	40.5	13.5	81	121.5	270	27
IR699.01	Clinical Audit: Proposal Writing	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits			31.5	94.5	31.5	189	364.5	630	63

Semester 2 Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR602.01	Basic Non-Vascular Percutaneous Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR602.02	Advanced Non-	Core	13.5	40.5	13.5	81	121.5	270	27

	Vascular Percutaneous Procedures								
IR699.02	Clinical Audit: Data collection	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits		31.5	94.5	31.5	189	364.5	630	63	

Semester 3 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR603.01	Basic Venous Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR603.02	Basic Arterial Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR699.03	Clinical Audit: Data management and analysis	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits			31.5	94.5	31.5	189	364.5	630	63

Semester 4 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
IR604.01	Advanced Venous Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR604.02	Advanced Arterial Endovascular Procedures	Core	13.5	40.5	13.5	81	121.5	270	27
IR699.04	Clinical Audit: Write-up and submission	Core	4.5	13.5	4.5	27	121.5	90	9
Total Credits			31.5	94.5	31.5	189	364.5	630	63

MSc. *Super specialty in Cardiothoracic Surgery Degree Programme*
- *MHM143*

This is a six semester (three years) post-MMed degree which produces specialists in Cardiothoracic Surgery who will be able to manage various conditions in need of cardiothoracic surgery including instrumentation for acquired and congenital heart and pulmonary diseases.

MSc. Super specialty in Cardiothoracic Surgery Entry requirements

Master of Medicine in Surgery or equivalent.

5.2.3.11.2 MSc.Specialty in Cardiothoracic Surgery Degree Programme courses

Semester 1 year 1

Course Code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CT 600	General principles of cardiothoracic surgery	Core	25	25	50	100	300	520	52
CT 688	Clinical audit – proposal	Core	6.5	6.5	26	32.5	58.5	110	11
Total			83.5	83.5	141.5	225	366.5	630	63

Semester 2 year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CT 601	General principles of cardiothoracic trauma	Core	25	25	50	100	300	500	50
CT 688	Clinical audit – data collection	Core	6.5	6.5	26	32.5	58.5	130	13
Total			83.5	83.5	141.5	225	366.5	630	63

Semester 1 year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CT 602	Applied cardiac physiology and anatomy	Core	25	25	50	100	300	500	50
CT 688	Clinical audit - report writing	Core	6.5	6.5	26	32.5	58.5	130	13
Total			83.5	83.5	141.5	225	366.5	630	63

Semester 2 year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CT 603	Operative Cardiothoracic surgery I and II	Core	25	25	50	100	300	500	50
CT 688	Clinical audit – manuscript preparation	Core	6.5	6.5	26	32.5	58.5	130	13
Total			83.5	83.5	141.5	225	366.5	630	63

Semester 1 year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CT 604	Operative cardiothoracic - III	Core	25	25	50	100	300	500	50
CT 688	Clinical audit – manuscript submission	Core	6.5	6.5	26	32.5	58.5	130	13
Total			83.5	83.5	141.5	225	366.5	630	63

Semester 2 year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CT 605	Operative cardiothoracic IV	Core	25	25	50	100	300	500	50
CT 688	Clinical audit – planning	Core	6.5	6.5	26	32.5	58.5	130	13
Total			83.5	83.5	141.5	225	366.5	630	63

MSc. Super specialty in Neonatology Degree Programme
- *MHM151*

This is a four semester (two years) post-MMED degree which produces specialists in the prevention, evidenced based care and management of neonatal disease conditions. The neonatologists should be able to train and conduct operational research in the field of neonates and childhood diseases.

MSc. Super specialty in Neonatology Entry requirements

Master of Medicine in Paediatrics and Child Health or equivalent.

MSc.SuperspecialtyinNeonatologyDegreeProgramme courses

Year 1 - NT 601- Basic Neonatology **and** Clinical Science in Neonatology-1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)		Assignment (Hrs)	Independent Study (Hrs)	Clinical (Hrs) Face to face	Total (Hrs)	Credits
				Conventional	Online					
NT 601.1	Basic neonatology	Core	0	72	72	36	122	284	586	58.6
NT 601.2	Clinical science in neonatology 1	Core	0	72	72	36	116	270	566	56.6
NT 603	Clinical Audit	Core	4	2		12	72	18	108	10.8
Total			4	290		84	310	572	1260	126.0

Year 2 - NT 602- Clinical Science in Neonatology-2 **and** Neonatal surgical and community issues

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Clinical (Hrs)	Total (Hrs)	Credits
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				conventional	online					
NT 602.1	Clinical science in neonatology 2	Core	0	72	72	36	116	272	568	56.8
NT 602.2	Neonatal surgical, community, environmental, and ethical issues	Core	0	72	72	36	116	270	566	56.6
NT 603	Clinical audit	Core	0	8		10	36	72	126	12.6
Total			0	296		82	268	614	1260	126.0

MSc. Super specialty in Critical Care Medicine Degree Programme **- *MHM150***

This is a four semester (two years) post-MMed degree which produces specialists in Critical Care medicine who will be able to provide effective and appropriate care to critically ill patients with various medical and surgical conditions. The critical care medicine specialists should be able to perform relevant diagnostic and therapeutic procedures to patients presenting with various critical medical and surgical conditions.

MSc. Super specialty in Critical Care Medicine Entry requirements

Master of Medicine in Anaesthesiology or Emergency Medicine or equivalent.

MSc. Super specialty in Critical Care Medicine Degree Programme courses

Semester 1 Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CM 600	Principles of critical care, palliative care, organ transplant care and medicolegal issues	Core	5	15	5	75	200	300	30
CM 601	Advanced diagnostics, Monitoring and Clinical Measurement in critical care	Core	5	30	5	60	120	220	22
CM 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	110	11.0
Total			16.5	51.5	36	167.5	378.5	630	63

Semester 2 Year 1

Course code	Course name	Core/ elective	Lecture	Tutorial/ Seminar	Assignment	Independent study/research	Practical	Total	Credits
			(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	
CM 602	Cardiovascular System critical care	Core	5	20	15	100	160	300	30
CM 603	Paediatric critical care	Core	4	10	6	30	50	100	10
CM 604	Obstetric Critical Care	Core	2	8	5	10	75	100	10
CM 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	130	13.0
Total			17.5	54.5	52	172.5	243.5	630	63

Semester 1 Year 2

Course code	Course name	Core/ elective	Lecture	Tutorial/ Seminar	Assignment	Independent study/research	Practical	Total	Credits
			(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	
CM 606	Respiratory System critical care	Core	5	10	5	30	100	150	15

CM 607	Critical Care in Infectious diseases	Core	3	7	5	25	60	100	10
CM 608	Critical Care in Renal and Genital urinary diseases	Core	5	10	10	25	100	150	15
CM 609	Critical Care in Gastrointestinal and metabolic diseases	Core	4	10	6	20	30	70	10
CM 688	Clinical Audit	Core	6.5	6.5	26	32.5	58.5	130	13.0
Total			15	43.5	52	132.5	348.5	630	63

Semester 2 Year 2

Course code	Course name	Core/ elective	Lecture	Tutorial/ Seminar	Assignment	Independent study/research	Practical	Total	Credits
			(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	(Hrs)	
CM 605	Critical Care in haemopoietic and oncological diseases	Core	2	5	13	20	70	110	11
CM 605	Critical Care in Endocrine diseases	Core	5	20	5	30	60	120	12

CM 606	Trauma and Neuro Critical Care	Core	5	25	20	100	150	300	30
CM 688	Clinical Audit	Core	2	6	12	20	60	100	10
Total			14	56	50	170	340	630	63

MSc. Super specialty in Rhinology Degree Programme- MHM156

This is a four semester (two years) post-MMed degree which produces specialists in Rhinology who will be able to apply biomedical and clinical sciences knowledge to the practice of evidence-based rhinological patient care. Design relevant rhinological diseases preventive or therapeutic interventions.

MSc. Super specialty in Rhinology Entry requirements

Master of Medicine in Otolaryngology or equivalent.

MSc. Super specialty in Rhinology Degree Programme courses

Course Code	Core or elective	Course Name	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1 Year 1									
RN 600	Core	Advanced Applied anatomy and Physiology of the nose and the paranasal sinuses	10	65	20	130	130	355	35.5
RN 601	Core	Rhinoradiology	5	40	10	125	100	280	28.0
RN 602	Core	Cadaveric dissection and Basic Principles of operative nose and paranasal sinuses	5	55	10	95	100	265	26.5
Total			20	160	40	350	330	900	90
Semester 2 Year 1									
Course Code	Core or elective	Course Name	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
RN 603	Core	Advanced Rhinological	2	35	5	140	100	282	28.2

		Diseases, Disorders, and Conditions							
RN 604	Core	Diagnostic endoscopy of Nose and paranasal sinuses	10	30	10	123	100	273	27.3
RN 605	Core	Advanced principles in Basic Functional Endoscopic Sinus Surgery	4	25	4	92	70	195	19.5
RN 688	Core	Clinical Audit: Proposal writing	0	20	60	70	0	150	15.0
Total			16	110	79	425	270	900	90
Semester 3 Year 2									
Course Code	Core or elective	Course Name	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
RN 605	Core	Basic Functional Endoscopic Sinus Surgery	6	35	25	144	140	350	35
RN 606	Core	Advanced Functional Endoscopic Sinus Surgery	4	20	16	130	110	280	28

RN 688	Core	Clinical Audit: Data Collection	0	20	90	100	60	270	27
Total			10	75	131	374	310	900	90
Semester 4 Year 2									
Course Code	Core or elective	Course Name	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
RN 605	Core	Advanced open paranasal sinus Surgery	4	20	16	140	100	280	28
RN 606	Core	Advanced Functional Endoscopic Sinus Surgery	6	35	25	124	160	350	35
RN 688	Core	Clinical Audit: Data Analysis, Report writing and Submission	0	10	100	100	60	270	27
Total			10	65	141	364	320	900	90

MSc. Super specialty in Women's Imaging Degree Programme –MHM154

This is a four semester (two years) post-MMed degree which produces specialists in Women's imaging, who will be able to apply biomedical and clinical sciences knowledge to the practice of evidence-based women's or breast and pelvic Imaging patient care. Design relevant women's or breast and pelvic diseases preventive or diagnostic interventions. Train MD and MMed postgraduate and other health professionals in women's or breast and pelvic Imaging.

MSc. Super specialty in Women's Imaging Entry requirements

Master of Medicine in Radiology or equivalent.

MSc. Super specialty in Women's Imaging Degree Programme courses

Course code	Course name	Core or elective	Lecture	Tutorials or	Assignment	Independent study	Practical	Total Hours	Credits
			hrs	Seminars					
	Semester 1								
WI 601	Basics of Obstetrical and Gynecological Ultrasound	Core	10	50	50	30	175	315	31.5
WI 602	Introduction to Breast Imaging	Core	10	45	45	35	180	315	31.5
PR 699.01	Clinical Audit: Proposal Writing	Core	0	50	5	95	120	270	27
	Total		20	145	100	160	475	900	90
	Semester 2								

WI 603	Basic Imaging of Obstetrics and Gynecology Diseases	Core	15	25	50	30	195	315	31.5
WI 604	Breast Ultrasound	Core	10	25	45	30	205	315	31.5
PR 699.02	Clinical Audit: Data collection	Core	0	50	5	95	120	270	27
	Total		25	100	100	155	520	900	90
	Semester 3								
WI 605	Advanced Obstetrics and gynecology Imaging	Core	10	25	50	30	200	315	31.5
WI 606	Mammography	Core	20	25	50	30	190	315	31.5
PR 699.03	Clinical Audit: Data management and analysis	Core	0	50	5	95	120	270	27
	Total		30	100	105	155	510	900	90
	Semseter 4								
WI 607	Advanced	Core	15	25	50	30	195	315	31.5

	Women's Imaging and Procedures								
WI 608	Breast MRI and other modalities	Core	10	35	50	30	190	315	31.5
PR 699.04	Clinical Audit: Write-up and submission	Core	0	50	5	95	120	270	27
	Total		25	110	105	155	505	900	90

MSc. Super specialty in Paediatric Surgery Degree Programme **- *MHM XX***

This is a four semester (two years) post-MMED degree which aims to cultivate a comprehensive skill set in its graduates, focusing on paediatric anatomy, physiology, and pharmacology, with specialization in congenital anomalies, malignancies, urological, and thoracic conditions. Emphasizing multispecialty collaboration, the program exposes trainees to a graded approach to surgery, aiming for proficiency and excellence.

MSc. Super specialty in Paediatric Surgery Entry requirements

Master of Medicine in Surgery or equivalent.

MSc. Super specialty in Paediatric Surgery Degree Programme courses

Semester 1 year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PS 600	Principles of neonatal and paediatric medicine	Core	25	25	50	100	300	520	52.0
PS 688	Clinical Audit -	Core	6.5	6.5	26	32.5	58.5	110	11.0
Total			31.5	31.5	76	132.5	358.5	630	63.0

Semester 2 year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PS 601	Paediatric surgery practice-	Core	25	25	50	100	300	520	52.0
PS 688	Clinical Audit – Data	Core	0	0	0	0	110	110	11.0

	collection								
Total			31.5	31.5	76	132.5	358.5	630	63.0

Semester 1 year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PS 602	Paediatric Urology and Burn care	Core	25	25	50	100	300	520	52.0
PS 688	Clinical Audit – Report writing	Core	6.5	6.5	26	32.5	58.5	110	11.0
Total			31.5	31.5	76	132.5	358.5	630	63.0

Semester 2 year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PS 603	Paediatric surgical oncology.	Core	25	25	50	100	300	520	52.0

PS 688	Clinical Audit - Submission	Core	6.5	6.5	26	32.5	58.5	110	11.0
Total			31.5	31.5	76	132.5	358.5	630	63.0

MSc. Super specialty in Dermatology Degree Programme- *MHM XX*

This is a four semester (two years) post-MMED degree which aims to offer advanced clinical expertise in complex skin conditions, for clinical care, research and innovation.

MSc. Super specialty in Dermatology Entry requirements

MMed in Internal Medicine or Paediatrics or equivalent.

MSc. Super specialty in Dermatology Degree Programme courses

Semester 1, Year 1

Course code	Course description	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DM 600	Fundamental Skills for Dermatology	CORE	15	98	57	152	201	523	52.3
DM 699 Case write up	Clinical Audit – Proposal writing	CORE	1	1	61	29	15	107	10.7
Total								630	63.0

Semester 2, Year 1

Course code	Course description	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DM 601	Clinical Dermatology - I	CORE	15	66	37	167	184	469	46.9
DM 699	Clinical Audit – Data collection	CORE	1	7	91	39	23	161	16.1
Total								630	63.0

Semester 3, Year 2

Course code	Course description	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DM 602	Clinical Dermatology - II	CORE	15	76	102	91	239	523	52.3
DM 699	Clinical Audit – Data Management & Analysis	CORE	1	1	15	29	61	107	10.7
Total								630	63.0

Semester 4, Year 2

Course code	Course description	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DM 603	Clinical Dermatology - III	CORE	15	76	76	102	216	485	48.5
DM 699	Clinical Audit – Write up & Defence	CORE	1	1	46	36	61	145	14.5
Total								630	63.0

MSc. Super specialty in Maternal and Fetal Medicine Degree Programme
- *MHM XX*

This is a four semester (Two years) post MMED program to produce proficient specialist in evidence-based care to improve maternal and fetal healthcare, assuming key leadership roles, advocating for policy changes, and educating various stakeholders.

MSc. Super specialty in Maternal and Fetal Medicine Entry requirements
MMed in obstetrics and gynecology or equivalent.

MSc. Super specialty in Maternal and Fetal Medicine Degree Programme courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MF 600	Fundamentals of maternal and fetal medicine-general maternal and fetal medicine and applied basic sciences	Core	0	80	40	50	460	630	63.0
Total			0	80	40	50	460	630	63.0

Semester 2 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MF 601	Clinical maternal and fetal medicine I Respiratory, Cerebrovascular, Cardiovascular, Nervous and	Core	0	110	10	50	360	530	53.0

	Gastrointestinal systems.								
MF 604	Clinical Audit: Proposal writing	Core	0	10	40	50	0	100	10.0
Total			0	120	50	100	360	630	63.0

Semester 3 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MF 602	Clinical maternal and fetal medicine II Haematology, Renal system, Endocrinology, Gynaecologic	Core	0	40	40	90	290	460	46.0
MF 604	Clinical Audit: Data Collection	Core	0	10	70	80	10	170	17.0
Total				50	110	170	300	630	63.0

Semester 4 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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(Hrs)									
MF 603	Maternal and fetal surgical conditions, Community and Ethical Issues in maternal and fetal care	Core	0	60	25	180	250	515	51.5
MF 604	Clinical Audit: Data Analysis, Report writing and Submission	Core	0	5	5	55	50	115	11.5
Total			0	65	30	235	300	630	63

**MSc. Super specialty in Urogynaecology and Pelvic Reconstructive Surgery
Degree Programme - *MHM XX***

This is a four semester (Two years) post MMED program which equips clinicians with advanced diagnostic and surgical skills for complex urogynaecological conditions and pelvic floor dysfunction. It emphasizes evidence-based practice, research, and innovative reconstructive techniques to significantly improve women's health and quality of life.

**MSc. Super specialty in Urogynaecology and Pelvic Reconstructive
Surgery Entry requirements**

MMed in obstetrics and gynecology or MMed Urology or their equivalent.

MSc. Super specialty in in Urogynaecology and Pelvic Reconstructive Surgery Degree Programme courses

Semester 1 Year 1

Course code	Course title	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UG 602	Basic concepts and clinical assessment in Urogynaecology	Core	30	50	50	90	370	590	59.0
UG 688	Clinical Audit-Proposal development	Core	10	10	10	10	0	40	4.0
Total			40	60	60	100	370	630	63.0

Semester 2 Year 1

Course code	Course title	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UG 603	Operative Urogynaecology, Genital Urinary Trauma, Urine Diversion, Urine	Core	40	40	80	120	320	600	60.0

	incontinence, Pelvic floor								
UG 688	Clinical Audit-data collection	Core	5	5	10	10	0	30	3.0
Total			45	45	90	130	320	630	63.0

Semester 3 Year 2

Course code	Course title	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UG 604	Urogynaecology Specialties	Core	50	50	90	110	300	600	60.0
UG 688	Clinical audit-data analysis	Core	10	5	5	10	0	30	3.0
Total			60	55	95	120	300	630	63.0

Semester 4 Year 2

Course code	Course title	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
UG 605	Advanced Urogynaecology	Core	40	40	90	112	310	592	59.2
UG 688	Clinical audit-report presentation and submission	Core	8	8	10	12	0	38	3.8
Total			48	48	100	124	310	630	63.0

MSc. Super specialty in Hematology and Blood Transfusion Degree

Programme- *MHM XX*

This is a four semester (Two years) program which provides the trainee with opportunity for acquisition of knowledge, competencies and skills in order to bring about the best practices in the discipline of Hematology and Blood Transfusion and bestow guidance in accomplishing exemplary patient care.

MSc. Super specialty in Hematology and Blood Transfusion Entry requirements

Master of medicine (MMED) in Internal Medicine or Paediatric and Child Health degree or equivalent

MSc. Super specialty in Hematology and Blood Transfusion Degree Programme courses**Semester 1 Year 1**

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB 600	Principles of Haematology and Blood	Core	1	10	4	75	10	100	10
HB609	Red cell Disorders	Core	20	70	20	106	172	118	11.8
HB 616	Clinical Audit- Proposal Writing	Clinical Audit	3	3	6	20	100	132	13.2
Total		Core						630	63

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB610	Principles of Laboratory Medicine	Core	5	10	15	50	98	178	17.8
HB611	Haematopoiesis and Bone Marrow failure (BMF)	Core	2	40	10	58	210	320	32
HB616	Clinical Audit – Data Management and analysis	Core	2	4	10	30	86	132	13.2
Total								630	63

Semester 3 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB612	Haemostasis and thrombotic disorder	Core	2	40	10	60	128	240	24
HB613	Haematological Malignancies	Core	2	40	10	66	140	258	25.8
HB616	Clinical Audit – report writing and submission	Core	2	4	10	30	86	132	13.2
Total								630	63

Semester 4 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HB614	Clinical Transfusion Medicine	Core	2	40	10	60	128	240	24
HB615	Blood and Marrow Transplant and Cellular therapy	Core	2	40	10	66	140	258	25.8
HB616	Clinical Audit – report writing and submission	Core	2	4	10	30	86	132	13.2
Total								630	63

MSc. Super specialty in Paediatric Emergency Medicine
Degree Programme- *MHM XX*

This is a four semesters (Two years) Post MMED program which aims to train competent super specialist capable of working independently to render quality, patient-centered, holistic care to children in the emergency settings.

MSc. Super specialty in Paediatric Emergency Entry requirements

MMed in Emergency Medicine or MMed in pediatrics and Child Health or its equivalent

MSc. Super specialty in Paediatric Emergency Degree Programme courses

Semester 1 year 1

Course code	Course Name	Core	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
PEM 600	Essentials of Paediatric Emergency Care	CORE	2	7	18	48	180	248	24.8
PEM 601	Paediatric Surgical and Trauma emergencies	CORE	2	8	18	78	220	333	33.3
PEM 699	Trauma Case report – 1	CORE	2	4	0	18	25	49	4.9
	TOTAL		6	19	36	144	425	630	63.0

Semester 2 year 1

Course code	Course name	Core	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
PEM 602	Cardio-respiratory and neurological paediatric emergencies	CORE	2	15	36	128	400	581	58.1
PEM 699	Cardiac or Neurology Case report – 2	CORE	2	4	0	18	25	49	4.9
	TOTAL		4	19	36	146	425	630	63.0

Semester 1 year 2

Course code	Course name	Core	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
PEM 603	Community and Prehospital Paediatric emergencies.	CORE	2	15	36	128	400	581	58.1
PEM 699	Pre-hospital Case reports – 3	CORE	2	4	0	18	25	49	4.9
	TOTAL		4	19	36	146	425	630	63.0

Semester 2 year 2

Course code	Course name	Core	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
PEM 604	Neonatal Emergency Care	CORE	2	15	36	128	400	581	58.1
PEM 699	Neonatal Case reports – 4	CORE	2	4	0	18	25	49	4.9
	TOTAL		4	19	36	146	425	630	63.0

Examination Regulations for MSc Super-Specialization Programmes

- (i) General University Examination regulations on registration, registration for examination, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The Master of Science Super specialities are 4 to 6-semester degree programmes and the maximum tenure for the registration shall be six (6) or 8 semesters.
- (iii) The maximum freezing period shall be two (2) semesters.
- (iv) Registration of full-time students shall be once at the beginning of each semester.
- (v) There shall be at least two continuous assessment tests (CAT) and regular assessment of competencies for each module or modular course taught during each semester. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course or rotation examination the Summative Assessment (SA).

- (vi) FA shall contribute 50 % of the final grade in the end of module course/rotation examinations.
- (vii) The SA shall consist of written examinations (MCQ's, essays, an clinical components (Objective Structured Clinical Examination Objective Structured Practical Examinations (OSPE), Global (mu observation and rating of live or recorded performances, obser procedures and rating by faculty, logbooks, portfolio, and others oral examination. The proportional contribution for written, competencies and oral assessments will be 30, 60 and 10% respe
- (viii) A candidate will be considered to have passed a course after p modules and rotations of the respective course.
- (ix) Decision-making of the failing students shall be determined at t
the audit year, when External Examiners will be invited.
- (x) A candidate who fails in one or more courses, but whose GPA higher shall be allowed to do first supplementary examination failed courses/modular courses when next offered during the long
- (xi) No candidate shall be allowed to sit for supplementary in m three failed courses at any given time irrespective of GPA and discontinued from studies.
- (xii) A candidate who fails the second supplementary examination in 1 - 2 for two-year programmes, and semesters 1 - 4 for three programmes shall be discontinued from the programme, except circumstances, if recommended by the School Board and Sena Degrees Committee and approved by the Senate.

A candidate the second supplementary examination in semesters 3-4 for programmes and semesters 5-6 for three-year programmes is allowed to supplement the failed courses/modules/modula after semester four and six for two year and

three-year pro respectively, provided the maximum tenure is not exceeded. A who fails in any number of the courses and has a GPA of less than be discontinued from the programme.

- (xiii) A candidate who pass a supplementary examination at any leve awarded a “B” grade
- (xiv) No candidate will be allowed to repeat a semester except in very ex circumstances on the recommendation of the School Board and by the senate
- (xv) A student shall be awarded the MSc Super-speciality degree afte all courses in the programme.

(xvi) In addition to these regulations, General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.

(xvii) Notwithstanding the above regulations, postgraduate students are bound by civil service regulations and shall have only one leave in a year during the long vacation.

Grading System for MSc Super specialization

The examination marks shall be graded as shown in the table below:

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

MASTER OF SCIENCE BY RESEARCH AND PHD PROGRAMMES

The common regulations (as appears in the MUHAS General Regulations and Guidelines for Postgraduate study Programmes) for MSc by Research and Publications and Doctor of Philosophy degrees of the University in all Schools and Academic Institutes apply.

Master of Science by Research and Publications - MHM45

Master of Science by Research and Publications Entry requirements

Bachelor degree in any relevant field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

CHAPTER THREE:

SCHOOL OF DENTISTRY

3.1 INTRODUCTION

The School of Dentistry is the oldest dental school in Tanzania. The vision of the School of Dentistry is to become a reputable world-class training institution that is responsive to national, regional and global development needs through engaging in dynamic knowledge creation and application in the field of dentistry. The mission of our school is to lead and facilitate our customers in attaining and maintaining quality of life through quality oral health education, research and public service. We offer postgraduate training in the field of Restorative Dentistry, Oral and Maxillofacial Surgery, Oral Pathology, Oral Public Health, Orthodontics and Pediatric Dentistry. The training facilities include standard lecture rooms, simulation skills laboratory, state of the art dental chairs, dental x-ray machines, dental laboratory, variety of instruments for the different dental specialties and modern sterilization machines. After completion of the different postgraduate programmes, graduates will have employment opportunities to manage oral health problems as well as in taking part in research and training of other professionals in the field of oral and health.

3.2 PROGRAMMES

3.2.1 MASTER OF DENTISTRY (MDENT) DEGREE PROGRAMMES

These are competency-based six-semester (three year) programmes except the eight semester's (four years) oral and maxillofacial Surgery program whose aim is to train competent and skilled human resource to improve and promote the delivery of specialized oral health services, research and consultancy.

3.2.2 MDent Oral public Health Degree Program- MHM140

This is a six-semester programme intended to provide a deeper knowledge, skills and attitudes on principles driving oral public health practices. The primary goal is to produce specialists with the competence to alleviate the burden of oral diseases and conditions while promoting overall health within the population.

3.2.2.1 MDent Oral Public Health Entry requirement

Doctor of Dentistry or equivalent with an average of “**B**” or a minimum **GPA of**

2.7. OR Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

3.2.2.2 MDent Oral Public Health Programme courses

Semester 1 Year 1

Course code/	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
EE 600	Bioethics	Core	4	13	4	13	9	43	4.3
ER 600	Epidemiology, Biostatistics and Research Methodology	Core	4	20	7	16	16	63	6.3
CD 602	Health Behaviour Models and Oral Public Health Communication	Core	6	30	19	47	56	158	15.8
CD 601	Preventive Dentistry	Core	6	32	22	41	62	163	16.3
CD 610	Global Health	Core	13	34	33	58	65	203	20.3
Total			33	129	85	175	208	630	63.0

Semester 2 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	50	3	7	12	2	74	7.4
CD 603	Health economics and entrepreneurship	Core	0	16	4	25	39	84	8.4
CD 604	Health Systems and Internationalization	Core	7	25	8	38	58	136	13.6
CD 605	Leadership, Management and Strategic Planning	Core	0	28	8	38	60	134	13.4
CD 606	Basic Package of Oral Care (BPOC)	Core	0	43	10	51	98	202	20.2
Total			57	115	37	164	257	630	63.0

Semester 3 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CD 607	Research methods in Oral Health	Core	5	34	14	65	122	240	24.0
CD 608	Epidemiology and public health aspects of Oral diseases and conditions	Core	4	27	19	56	78	184	18.4
CD 699.1	Dissertation Module 1: - Proposal Writing	Core	6	34	13	122	31	206	20.6
Total			15	95	46	243	231	630	63.0

5 Semester 4 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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CD 609	Influential Factors in Oral Health	Core	4	24	13	53	117	211	21.1
CD 611.01	Oral Health Promotion	Core	4	23	11	51	95	184	18.4
CD 699.2	Dissertation Module 2: Data Collection	Core	9	9	7	16	194	235	23.5
Total			17	56	31	120	406	630	63.0

Semester 5 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CD 611.02	Oral Health promotion Field work	Core	0	67	41	128	169	405	40.5
CD 699.3	Dissertation 3: Data Analysis and Report Writing	Core	9	21	7	119	55	225	22.5
Total			9	88	48	247	238	630	63.0

Semester 6 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CD 612	Oral Health Services: Field attachment	Core	0	66	52	102	260	480	48.0

CD 699.4	Dissertation 4: Submission	Core	7	11	11	98	23	150	15.0
Total			7	77	63	200	283	630	63.0

3.2.3 MDent Oral and Maxillofacial Surgery Degree Programme - MHM57

These eight (8) semesters programme provides deeper knowledge of oral and maxillofacial surgery, a better understanding of the concepts underlying oral and maxillofacial surgical procedures within the background of good knowledge of basic sciences. In addition, this course ensures that the graduates acquire a firm scientific basis for the diagnosis and treatment of oral maxillofacial disease and be able to work independently.

3.2.3.1 MDent Oral and Maxillofacial Surgery Entry requirements

Doctor of Dentistry or related field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0. PLUS** 2-years of postinternship working experience.

MDent Oral and Maxillofacial Surgery Degree Programme Courses

Semester 1 Year 1

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AN 603.1	Histology, Embryology and Oral Biology	Core	6	24	8	8	20	66	6.6
AN 603.2	Applied Head and Neck, and Neuro Anatomy	Core	4	36	8	12	20	80	8.0
PH 600	Clinical Physiology	Core	4	60	10	20	4	98	9.8
MA 600	Principles of Pathology	Core	10	60	12	24	24	130	13.0
MI 609	Microbiology and Immunology	Core	5	60	10	32	5	112	11.2
ER 600	Epidemiology and Research Methodology and Biostatistics	Core	26	18	16	16	8	84	8.4

EE 600	Principles of Bioethics	Core	6	18	6	18	12	60	6
Total			61	276	70	130	93	630	63

Semester 2 Year 1

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OS 600	Principles of Oral and Maxillofacial Surgery	Core	10	66	22	42	170	310	31
OS 601	Management of cervicofacial infection	Core	4	30	10	24	82	150	15
HE 600	Educational Principles for Health Care Professionals	Core	68	5	10	15	2	100	10
CD 605	Entrepreneurship, Leadership and Management in Health	core	11	14	7.5	30	7.5	70	7
Total			93	115	49.5	111	261.5	630	63

Semester 3 Year 2

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OS 602	Principles of General Surgery, Otorhinolaryngology and Anaesthesia	Core	12	98	30	60	230	430	43
OS 699.1	Disseration – Proposal development	Core	2	20	10	148	20	200	20
Total			14	118	40	208	250	630	63

Semester 4 Year 2

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OS 603	Oral Medicine and Oral Surgery	Core	4	44	20	40	142	250	25
OS 604	Orofacial Traumatology and Oral Radiology	Core	10	26	14	32	102	180	18
OS 699.2	Dissertation – Data Collection	Core	0	6	10	15	169	200	20
			14	76	44	87	365	630	63

Semester 5 Year 3

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OS 605	Oral Oncology and Surgical Management of Orofacial Tumours	Core	12	61	22	180	355	630	63
Total			12	61	22	180	355	630	63

Semester 6 Year 3

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OS 606	Principles of Plastic Surgery and Neuro Craniofacial Surgery	Core	8	48	40	54	180	330	33
OS 607	Dental Implantology	Core	10	32	24	34	100	200	20
OS 699.3	Data Analysis and Writing Draft Report	Core	0	10	25	20	45	100	10
Total			18	90	89	108	325	630	63

Semester 7 Year 4

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OS 608	Reconstruction of Orofacial Defects	Core	6	40	18	66	240	370	37
OS 609	Orthognathic Surgery	Core	10	30	12	40	118	210	21
OS 699.4	Dissertation – Completion of Report, Preliminary Submission and Dissemination	Core	0	0	10	25	15	50	5
Total			16	70	40	131	373	630	63

Semester 8 Year 4

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OS 610	Comprehensive Head and Neck Surgery	Core	10	100	40	60	370	580	58
OS 699.5	Dissertation – Submission and Examination	Core	0	0	10	15	25	100	5
Total			10	100	50	75	395	630	63

MDent Orthodontics Degree Programme - MHM132

This is a six (6) semester programme aimed at imparting deeper knowledge in Orthodontics and better understanding of the malocclusion's aetiologies and biomechanics in managing malocclusion based on good basic scientific knowledge. In addition, this course ensures that the graduates acquire specialized professional knowledge and clinical skills in managing malocclusions and related oral conditions.

MDent Orthodontics Entry requirements

Doctor of Dental Surgery or equivalent with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0. PLUS** 2- years of post-internship working experience.

MDent Orthodontics Degree Programme courses

Semester 1 year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AN603	Applied Head and Neck Anatomy	Core	20	70	20	20	50	180	18.0
PH600	Clinical Physiology	Core	4	67	10	20	4	105	10.5
MI606	Microbiology and Immunology	Core	5	72	10	20	5	112	11.2
BM600	Molecular Biology	Core	8	31	8	38	70	155	15.5
ER 600.01	Principles of Epidemiology	Core	18	12	12	12	6	60	6
ER 600.02	Principles of Biostatistics	Core	18	12	12	12	6	60	6
EE600:	Bioethics	Core	6	24	6	30	54	120	12.0
	Total		58	279	54	148	213	792	79.2

Semester 2 year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OR600	Development of Orthodontics	Core	10	14	6	15	15	60	6.00
HE 600	Educational Principles and Practices for Health Professionals	Core	10	30	10	20	30	100	10.00
OR 601:	Oral radiology in Orthodontics	Core	5	40	5	40	90	180	18.0
OR 602	Pre-clinical Orthodontics Dental Laboratory practice	Core	6	60	11.5	72.5	139	290	29.0
	Total					.		630	63.0

Semester 3 year 2

Name of the Programme	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OR603: Orthodontic Diagnosis and Treatment planning	Core	13	59	6.9	15	148	280	28.0
OR604: Orthodontic Biomechanics and mechanics	Core	10	40	10	50	90	120	12.0
OR 699: Dissertation 1- Proposal Writing	Core	5	45	10	150	20	230	23.0
Total							630	63.0

Semester 4 year 2

Name of the Programme	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OR 605: Dental Traumatology	Core	5	25	5	20	50	105	10.5
OR 606: Basic Orthodontic Treatment	Core	10	50	10	65	115	250	25.0

in preadolescent children									
OR 699.1: Dissertation II. Data Collection	Core	6	15	6	82	167	275	27.5	
Total							630	63.0	

Semester 5 year 3

Name of the Programme	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits	
OR 607: Restorative and Cosmetic Dentistry	Core	7.5	30	7.5	42.5	62.5	150	15.0	
OR 608: Surgical Orthodontics treatment	Core	11	54	11	70	124	270	27.0	
OR 699.2: Dissertation 3: Data Analysis and Report Writing	Core	5	10	5	80	110	210	21.0	
Total							630	63.0	

Semester 6 year 3

Name of the Programme	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OR 609: Advances in Orthodontic appliances	Core	15	60	15	75	135	230	23.0
OR 610: Comprehensive Orthodontic treatment	Core	12.5	60	12.5	72.5	147.5	305	30.5
OR 699.3: Dissertation 4: Submission, defense and dissemination	Core	-	8	5	20	55	115	11.5
Total							630	63.0

MDent Pediatric Dentistry Degree Programme - MHM58

This is a six (6) semester competency-based degree programme intended to provide a post graduate student with specialized professional knowledge and clinical skills in managing oral and maxillofacial diseases and conditions in normal and disadvantaged children as well as oral health research competence.

MDent Pediatric Dentistry Entry requirements

Doctor of Dentistry or equivalent with an average of **“B”** or a minimum **GPA of**

2.7. OR Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0. PLUS** 2-years of postinternship working experience.

MDent Pediatric Dentistry Degree Programme courses

Semester 1 year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AN 603	Applied head and neck anatomy	Core	20	60	20	20	50	180	18.0
PH 600	Clinical Physiology	Core	4	67	10	20	4	105	10.5
ER 600	Epidemiology, Biostatistics and Research Methodology	Core	7	30	10	21	18	86	8.6
EE 600	Bioethics	Core	6	18	6	18	12	60	6.0
DC 600.01	Genetics, child development and psychology in dentistry	Core	23	50	25	20	84	199	19.9
Total			60	235	48	99	168	630	63.0

Semester 2 year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
HE 600	Educational	Core	5	20	5	25	45	100	10.0

	Principles and Practices for Health Professionals								
DC 600.02	Sedation, Anesthesia and Behaviours management in paediatric dentistry	Core	10	30	10	25	175	250	25.0
DC 603	Paediatric restorative dentistry	Core	14	28	14	28	196	280	28.0
Total								630	63.0

Semester 1 year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DC 601	Orthodontic examination, diagnosis and treatment planning	Core	9	12	6	10	120	155	15.5
DC 609	General Paediatrics	Core	5	5	5	5	60	80	8.0
DC 602	Paediatric preventive	Core	10	20	10	20	160	220	22.0

	dentistry								
DC 699.01	Dissertation 1: Proposal Writing	Core	9	18	9	18	121	175	17.5
Total								630	63.0

Semester 2 year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DC 605	Dentistry for children with special needs	Core	3	20	7	10	150	190	19.0
DC 604	Dental traumatology	Core	3	6	10	10	170	199	19.9
CD 605	Leadership, management and strategic planning	Core	8	17	10	15	66	116	11.6
DC 699.02	Dissertation II. Module 2: Data Collection	Core	0	2	5	8	110	125	12.5
Total								630	63.0

Semester 1 year 3

Course Name	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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DC 606	Paediatric oral surgery	Core	4	6	10	10	170	200	20.0
DC 607	Interceptive Orthodontics and Biomechanics	Core	10	30	10	25	175	250	25.0
DC 699.03	Dissertation 3: Data Analysis and Report	Core	8	14	12	20	126	180	18.0
Total								630	63.0

Semester 2 year 3

Course Name	Course	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DC 608	Comprehensive and multidisciplinary child patient management	Core	10	20	30	36	404	500	50.0
DC 699.04	Module 4: Submission, defence and dissemination	Core	0	15	5	20	90	130	13.0
Total								630	63.0

MDent Restorative Dentistry Degree Programme - MHM59

This is a six (6) semester programme which provides deeper knowledge of operative dentistry, a better understanding of the concepts underlying operative dentistry procedures with high standards of knowledge of basic sciences. In addition, this course ensures that the graduates acquire a firm scientific basis for diagnosis and operative treatment of disorders and diseases of dentition and associated structures to the level expected of the specialist.

MDent Restorative Dentistry Entry requirements

Doctor of Dentistry or equivalent with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0. PLUS** 2-years of postinternship working experience.

MDent Restorative Degree Programme courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AN 603.1	Histology, Embryology and Oral Biology	Core	6	24	8	8	20	66	6.6
AN 603.2	Applied Head and Neck, and Neuro Anatomy	Core	4	36	8	12	20	80	8.0
PH 600	Clinical Physiology	Core	4	60	10	20	4	98	9.8
MA 600	Principles of Pathology	Core	10	60	12	24	24	130	13.0
MI 609	Microbiology and Immunology	Core	5	60	10	32	5	112	11.2
ER 600	Epidemiology and Research Methodology	Core	10	6	6	8	4	34	3.4
OD 600	Biomaterials in Restorative Dentistry	Core	7	38	15	46	37	143	14.3
	Total		51	278	66	138	97	630	63

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OD 601	Conservative Dentistry	Core	7	46	7	18	382	460	46.0
HE 600	Educational Principles and practices for health sciences professionals	Core	68	5	10	15	2	100	10
CD605.1	Leadership, management and Entrepreneurship	Core	11	14	7.5	30	7.5	70	7.0
	Total		75	75	27	85	368	630	63.0

Semester 3 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OD 602	Endodontic	Core	7	73	9	22	355	466	46.6

	Therapies								
OD699.1	Dissertation- Proposal writing	Core	2	32	7	109	14	164	16.4
	Total		9	105	16	131	369	630	63.0

Semester 4 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PR 600	Periodontics	Core	4	36	7	11	138	196	19.6
PO 600	Prosthodontics	Core	4	35	7	7	145	198	19.7
OD 699.2	Dissertation-Data collection	Core	2	2	2	7	223	236	23.6
	Total		10	73	16	25	506	630	63.0

Semester 5 Year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OD 604	Advanced Restorative Dentistry	Core	7	33	7	12	188	247	24.7
DI 600	Dental Implantology	Core	9	31	7	14	140	201	20.1

OD 699.3	Dissertation- Data analysis and Report writing	Core	2	14	3	109	55	182	18.2
	Total		18	78	17	135	383	630	63.0

Semester 6 Year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
OD 605	Cosmetic Dentistry	Core	9	37	9	33	210	298	29.8
OD 606	Restorative Dentistry for Special groups	Core	6	46	10	33	104	199	19.9
OD 699.4	Dissertation- Submission, Examination and Dissemination	Core	1	3	5	110	14	133	13.3
Total			16	86	24	176	328	630	63.0

Examination regulations for the MDent Programmes

- (i) The general University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MDent degree programmes are six to eight (6-8)-semester with a maximum tenure of eight to ten (8-10) semesters.
- (iii) Registration for full time students shall be once at the beginning of each semester.
- (iv) All modules or modular 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.
- (v) There shall be at least two Continuous Assessment Tests (CAT) for each module/modular course or rotation taught during semester one and at least one CAT in each of semesters 2-6 and regular assessment of competencies. CAT and assessment of competencies shall form the Summative Assessment (SA).
- (vi) The FA in semesters 2-6 shall consist of evaluation of clinical and other competency domains using appropriate tools in addition to written examination.
- (vii) The CAT shall contribute 50% of the final grade in the end of module/modular course or rotation. Summative Assessment (SA) shall include assessment of all competency domains using appropriate tools.
- (viii) The SA for semesters 2-6 shall consist of written, clinical/practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively but assessment shall be conducted as in (vi) above.
- (ix) To pass a module/course or rotation a candidate has to attain a B grade or higher.
- (x) Other regulations as stipulated in Section 1.9.4 above apply.

Regulations on MDent dissertations

- (i) The dissertation shall consist of one research topic. This shall be determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Dentistry at least THREE MONTHS before the beginning of semester 6 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for final examinations.

The candidate shall be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that regulation on maximum tenure for MDent degrees allows.

- (iii) Oral defense of the dissertation shall be done during the end of semester 6 University examinations.
- (iv) Other dissertation regulations stipulated in Section 1.9.5 above shall apply.

Grading System for MDent programmes

- (i) Computation of the GPA for the MDent programmes shall be based on the number of credits approved for each course and shall be equated to the letter grade as shown below. However, the MDent degree shall not be classified: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D = Failure.

MASTER OF SCIENCE BY RESEARCH AND PHD PROGRAMMES

The common regulations (as appears in the MUHAS General Regulations and Guidelines for Postgraduate study Programmes) for MSc by Research and Publications and Doctor of Philosophy degrees of the University in all Schools and Academic Institutes apply.

Master of Science by Research and Publications - MHM45

Master of Science by Research and Publications Entry requirements

Bachelor degree in any relevant field with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0.**

CHAPTER FOUR: SCHOOL OF PHARMACY

4.1 INTRODUCTION

The School of Pharmacy has celebrated a 50-year anniversary in 2024 since its inception back in 1974. The celebration marked 50 years of experience of training pharmaceutical personnel, offering a Bachelor of Pharmacy Degree programme. It is the oldest pharmaceutical school in the country and second oldest at MUHAS, following the School of Medicine (now the Campus College of Medicine). Pharmacy education embraces the search, development, formulation, analysis, storage and distribution of products for maintenance and restoration of good health as well as provision of information and guidance on proper use of medicines. The School has the vision of becoming center of excellence in providing high quality and relevant pharmacy education, research and consultancy services in pharmacy and related fields.

The School offers postgraduate degree programmes to the level of Master and PhD. Master of Pharmacy programmes include MPharm in Clinical Pharmacy; Industrial Pharmacy; Quality Control and Quality Assurance; Pharmaceutical Microbiology; and Pharmacognosy. In the case of Master of Science programmes the school offers MSc in Pharmaceutical Management (both regular and evening tracks); Medicinal and Pharmaceutical Chemistry; Pharmacovigilance and Pharmacoepidemiology; Medical Products Regulatory Affairs; Bioinformatics; and Phytopharmaceuticals and Natural Medicines Science.

The School has skilled and well-trained faculty capable of mentoring students to their bright future in pharmaceutical and other related fields. The school also boasts of a modern Research and Development (R&D) Laboratory acquired through the financial and technical assistance of the German-Tanzania Cooperation (GIZ) and Action Medior. It is the only R&D Laboratory of its kind in East and Central Africa that equip students and faculty with state-of-the-art skills in pharmaceutical manufacturing. Students will not regret to have chosen School of Pharmacy programmes.



Students in a practical session

4.2 MASTER OF SCIENCE PROGRAMMES

4.2.1 MSc Pharmaceutical Management Degree Programme (Regular Track) - MHM109

The Master of Science in Pharmaceutical Management, regular track, is a four-semester degree programme, with each semester consisting of 20 weeks. This program aims to train and educate graduates with knowledge and skills related to the analysis, planning, implementation, project management, and evaluation of all operational components in pharmaceutical management.

4.2.1.1 Admission requirements

Bachelor degree in Pharmacy or related field with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0.**

4.2.1.2 MSc Pharmaceutical Management Degree (Regular Track) Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 1: 63.0

PM 600	Health Policies and Regulatory Affairs	Core	40	70	20	10	40	180	18.0
PM 601	General Management	Core	82	30	8	7	8	135	13.5
PM 602	Financial Management, Marketing and Entrepreneurship	Core	82	30	10	5	8	135	13.5
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Bioethics	Core	40	12	2	4	2	60	6.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 2: 63.0

PM 603	Pharmaceutical Supply Chain Management	Core	50	40	10	10	10	120	12.0
PM604	Rational Use of Medicines and Pharmacovigilance	Core	50	45	10	5	10	120	12.0
PM 605	Pharmacoeconomics and Health Technology Assessment	Core	97	10	10	10	3	130	13.0
PM 608	Implementation Science and Knowledge Translation	Core	50	40	5	5	10	110	11.0
HE 600	Educational Principles and Practice for the Health Sciences Professionals	Core	10	30	10	30	20	100	10.0
PM 699	Dissertation: Proposal development	Core	-	10	5	30	5	50	5.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 3: 63.0

PM 611	Pharmaceutical Management – Supply Chain Field Attachment	Core	5	10	10	25	130	180	18.0
PM 610	Pharmaceutical Management - Regulatory Affairs Field Attachment	Core	5	10	10	25	130	180	18.0
PM 699	Dissertation: Proposal development and ethical clearance	Core	10	10	20	80	150	270	27.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PB 699	Dissertation: Research data collection, data analysis, writing dissertation, Viva voce, dissemination	Core	10	10	10	100	500	630	63.0

4.2.2 MSc Pharmaceutical Management Degree Programme (Evening Track) - MHMXXX

The evening track Master of Science in Pharmaceutical Management is also a four-semester degree programme, with each semester consisting of 20 weeks. It will be catered to offer classes to executives and regular public servants who cannot attend regular classes. This program aims to train and educate graduates with knowledge and skills related to the analysis, planning, implementation, project management, and evaluation of all operational components in pharmaceutical management.

4.2.2.1 Admission requirements

Bachelor degree in Pharmacy or related field with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0.**

4.2.2.2 MSc Pharmaceutical Management Degree (Evening Track)

Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
PM 600	Health Policies and Regulatory Affairs	Core	40	70	20	10	40	180	18.0
PM 601	General Management	Core	82	30	8	7	8	135	13.5
PM 602	Financial Management, Marketing and Entrepreneurship	Core	82	30	10	5	8	135	13.5
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Bioethics	Core	40	12	2	4	2	60	6.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
PM 603	Pharmaceutical Supply Chain Management	Core	50	40	10	10	10	120	12.0
PM604	Rational Use of Medicines and Pharmacovigilance	Core	50	45	10	5	10	120	12.0
PM 605	Pharmacoeconomics and Health Technology Assessment	Core	97	10	10	10	3	130	13.0
PM 608	Implementation Science and Knowledge Translation	Core	50	40	5	5	10	110	11.0
HE 600	Educational Principles and Practice for the Health Sciences Professionals	Core	10	30	10	30	20	100	10.0
PM 699	Dissertation: Proposal development	Core	-	10	5	30	5	50	5.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PM 611	Pharmaceutical Management – Supply Chain Field Attachment	Core	5	10	10	25	130	180	18.0
PM 610	Pharmaceutical Management - Regulatory Affairs Field Attachment	Core	5	10	10	25	130	180	18.0
PM 699	Dissertation: Proposal development and ethical clearance	Core	10	10	20	80	150	270	27.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial / Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PB 699	Dissertation: Research data collection, data analysis, writing dissertation, Viva voce, dissemination	Core	10	10	10	100	500	630	63.0

4.2.3 MSc. Medicinal and Pharmaceutical Chemistry Programme - MHMXXX

The Master of Science in Medicinal and Pharmaceutical Chemistry is a six-semester degree programme, with each semester consisting of 20 weeks. This program aims to train experts in various fields, including drug discovery and development, chemistry, manufacturing and controls, product efficacy and safety optimization, cost-effective process development, regulatory compliance, forensic science, environmental chemistry and safety, academic research and teaching, clinical trials and research, and patent law and intellectual property.

4.2.3.1 Admission requirements

Bachelor degree in Pharmacy (Bpharm), Chemistry, Chemical Engineering, Chemical and Process Engineering, Pharmaceutical Sciences, Medicinal Chemistry, Biochemistry, BSc. with Education majoring in Chemistry, Bachelor of education in Chemistry, or its equivalent from a recognized university with a minimum cumulative **GPA of 2.7 OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0**.

4.2.3.2 MSc Medicinal and Pharmaceutical Chemistry Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
PC 604	Advanced organic chemistry	Core	20.0	20.0	30.0	30.0	20.0	120	12.0
PC 609	Advanced physical chemistry	Core	20.0	15.0	35.0	10.0	20.0	100	10.0
PC 610	Selected topics in advanced bioinorganic chemistry	Core	20.0	18.0	25.0	17.0	20.0	100	10.0
PC 611	Fundamentals of synthetic chemistry	Core	25.0	20.0	30.0	25.0	30.0	130	13.0
ER 600	Epidemiology, biostatistics and research methodology	Core	36.0	24.0	24.0	24.0	12.0	120	12.0
EE 600	Bioethics	Core	40.0	12.0	2.0	4.0	2.0	60	6.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
PC 612	Principles of green chemistry	Core	15	10	10	15	10	60	6.0
PC 613	Integrated drug discovery, design, and development	Core	36	32	16	54	42	180	18.0
PC 614	Fundamentals in computer-aided drug design (CADD)	Core	40	30	20	25	35	150	15.0

PC 616	Drug targets and structure-activity relationships	Core	40	35	10	25	30	140	14.0
HE 600	Educational principles and practices for health sciences professionals	Core	68	5	10	15	2	100	10.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PC 601	Techniques in pharmaceutical analysis	Core	40.0	130.0	40	40	80.0	330	33.0
MC 610.01	Field Attachment	Core	10.0	10.0	10.0	30.0	240.0	300	30.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PC 607	Pharmaceutical quality assurance	Core	20	40	20	50	60	190	19.0
PC 615	Fundamentals in chemoinformatics and chemometrics	Core	35	25	15	20	35	130	13.0
PC 617	Introduction to chemical biology and biomolecules	Core	35	25	10	20	30	120	12.0
PC 618	Introduction to drug delivery and pharmacokinetics	Core	28	20	15	15	12	90	9.0
MC 610.02	Field Attachment	Core	2.0	3.0	5.0	10.0	80.0	100	10.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 63.0									
MC 610.03	Field Attachment	Core	-	-	20.0	30	250.0	300.0	30.0
PC 699.01	Dissertation: Proposal development and Data collection	Core	5.0	10.0	20.0	138.0	140.0	330.0	33.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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Semester 6: 63.0

PC 699.02	Dissertation: Data analysis and report writing	Core	15	20	30	165	400	630.0	63.0
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4.2.4 MSc. Medical Products Regulatory Affairs Programme - MHMXXX

The Master of Science in Medical Products Regulatory Affairs is a four-semester degree programme (2 years), again, with each semester consisting of 20 weeks. The program aims to create a comprehensive understanding of regulatory concepts and develop experts in Medical Products Regulatory Affairs (MPRA).

4.2.4.1 Admission requirements

Bachelor of Pharmacy (BPharm), MD, DDS, BSc. Nursing, BSc. Nursing Management, BSc. Midwifery, BSc. Clinical Nutrition, BSc. Human Nutrition, BSc. Food Science and Technology degree or its equivalent from a recognized university with a minimum cumulative **GPA of 2.7 OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0**.

4.2.4.2 MSc Medical Products Regulatory Affairs programme courses

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
MR 601	Clinical Trials oversight	Core	30.0	5.0	10.0	15.0	50.0	110.0	11.0
MR 602	Market control and vigilance	Core	30.0	5.0	10.0	10.0	45.0	100.0	10.0
MR 603	National regulatory system	Core	15.0	5.0	5.0	10.0	25.0	60.0	6.0
MR 604	Registration and marketing authorization	Core	32.0	10.0	15.0	10.0	38.0	105.0	10.5
MR 605	Laboratory access and testing	Core	22.0	8.0	10.0	7.0	28.0	75.0	7.5
ER 600	Epidemiology and biostatistics	Core	36.0	24.0	24.0	24.0	12.0	120.0	12.0
EE 600	Bioethics	Core	40.0	12.0	2.0	4.0	2.0	60.0	6.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
MR 606	Regulatory inspection	Core	40	35	15	15	45	150.0	15.0
MR 607	Regulatory harmonization, networking and convergence	Core	30	15	15	15	50	125.0	12.5
MR 608	Regulation of Medical devices and other health technologies	Core	30	15	15	15	50	125.0	12.5
MR 609	Quality management and compliance audit	Core	30	15	15	20	50	130.0	13.0
HE 600	Educational Principles & Practices for Health Sciences Professionals	Core	68	5	10	15	2	100.0	10.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
MR 610	Field placement	Core	-	-	20.0	50	350.0	420.0	42.0
MR 699.01	Dissertation	Core	5.0	10.0	20.0	115.0	60.0	210.0	21.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
MR 699.02	Dissertation: Data analysis and report writing	Core	15	20	30	165	400	630.0	63.0

4.2.5 Msc.Pharmacovigilance and Pharmacoepidemiology Programme – MHM152

The Master of Science in Pharmacovigilance and Pharmacoepidemiology is a 2-year degree programme offered in four semesters, with each semester consisting of 20 weeks. This competency-based programme aimed at producing specialists in Pharmacovigilance and Pharmacoepidemiology who will be able to evaluate safety, effectiveness and quality, of regulated products in the country and who will perform various pharmacovigilance functions in public health Programmes.

4.2.5.1 Admission requirements

Bachelor of Pharmacy (BPharm), MD, DDS, BSc. Nursing, BSc. Nursing Management, and BSc. Midwifery from a recognized university with a minimum cumulative **GPA of 2.7 OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0**.

4.2.5.2 MSc Pharmacovigilance and Pharmacoepidemiology programme courses

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
AT 600	Applied Therapeutics in Infectious diseases	Core	53	14	50	12	54	183	18.3
ER 600	Epidemiology, Biostatistics and Research Methodology	Core	9	26	9	26	17	86	8.6
EE 600	Bioethics	Core	6	18	6	18	12	60	6.0
PV 600	Principles of Pharmacovigilance	Core	19	10	20	13	72	134	13.4
PH 600	Clinical Physiology	Core	20	10	10	7	20	67	6.7
PK 601	Fundamentals of Clinical Pharmacokinetics	Core	40	30	10	10	10	100	10.0
									63.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
HE 600	Health Education	Core	10	30	10	30	20	100	10.0
AE 604	Advanced Epidemiology	Core	46	20	10	10	61	147	17.7
PV 601	Applied Pharmacovigilance and pharmacoepidemiology	Core	10	36	10	10	40	106	10.6
AT 601	Applied therapeutics in Cardiovascular and nephrology	Core	50	27	10	10	120	217	21.7
PV 699.01	Research project	Core	4	2	2	2	20	30	3.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PV 602	Pharmacovigilance field work	Core	10	10	50	10	150	230	23.0
PV 699.02	Research project: Data collection	Core	10	20	10	10	350	400	40.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PV 699.03	Research project: Data analysis	Core	10	10	10	10	590	630	63.0

4.2.6 MSc. Bioinformatics Programme - MHMXXX

The Master of Science in Bioinformatics is a 2-year degree programme offered in four semesters, with each semester consisting of 20 weeks. The programme aims to develop leaders in bioinformatics and genomic sciences.

4.2.6.1 Admission requirements

Bachelor degree in following fields: Bioinformatics, Data Science, Medical (MD), Pharmacy (BPharm), Biochemistry, Molecular Biology, Biotechnology, Dental Surgery (DDS), Nursing (BSc. Nursing, BSc. Nursing Management, BSc. Midwifery), Microbiology, Biochemistry, Biomedical Engineering, Medical Laboratory Sciences, Veterinary Medicine, Genetics, Botany, Zoology, Computer Science, Information technology, Mathematics, Statistics, Biostatistics, Clinical Epidemiology or any other equivalent degree from a recognized university with a minimum cumulative **GPA of 2.7 OR** Postgraduate Diploma in any relevant field with an average of **“B” or a minimum GPA of 3.0**. Applicants with a background in biological sciences will be given a priority.

4.2.6.2 MSc Bioinformatics programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
PB 605.01	Molecular Biology and Bioinformatics	Core	15	10	10	10	15	60	6
PB 605.02	Molecular Biology and Bioinformatics	Core	10	15	15	6	40	86	8.6
BN 601	Linux and Shell Scripting	Core	6	16	10	8	30	70	7
BN 602	High throughput sequencing and sequence alignment	Core	60	40	28	16	90	234	23.4
ER 600.01	Principles of epidemiology and biostatistics	Core	18	12	12	12	6	60	6
ER 600.02	Principles of epidemiology and biostatistics	Core	18	12	12	12	6	60	6
EE 600	Bioethics	Core	35	12	2	9	2	60	6

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
BN 603	Omics	Core	30	32	12	12	24	110	11
BN 604	Advanced Programming and relational database design	Core	30	14	20	6	90	160	16
BN 605	Molecular Evolution and Phylogenetics	Core	14	7	7	7	35	70	7
BN 606	Population Genetics and GWAS	Core	14	7	7	7	35	70	7
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10
BN 608	Elective (Bioinformatics of communicable and non-communicable diseases, Metagenomics, Pharmacogenomics and Chemoinformatics)	Elective	24	18	12	6	60	120	12

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
BN 607	Fieldwork project	Core	36	36	36	152	214	240	24
BN 699	Dissertation (Proposal writing and presentation, ethical clearance, Data collection)	Core	10	10	10	100	260	390	39

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PB 699.01	Dissertation: Data analysis, writing dissertation, Viva voce	Core	10	10	10	100	500	630	63.0

MSc. Phytopharmaceutical and Natural Medicines Science Programme - MHMXXX

The Master of Science in Phytopharmaceutical and Natural Medicines Science is a 2-year degree programme offered in four semesters, with each semester consisting of 20 weeks. The programme aims to develop leaders in bioinformatics and genomic sciences. This programme will equip graduates with specialised skills to systematically document useful natural sources i.e., ethnobiology (ethnomedicine, ethnobotany, ethnozoology, etc), establish the bioactivity and safety, apply knowledge and various modern techniques to discover natural products for various medicinal applications. Graduates will be able to develop the natural medicines based on chemical entities and safety status of the natural source.

Admission requirements

Bachelor degree in following fields: Pharmacy (BPharm), Pharmaceutical sciences, Chemistry, Botany, Zoology or a related field, with a minimum cumulative GPA of 2.7 and a minimum of B pass in the relevant subjects or any other equivalent degree from a recognized university with a minimum cumulative **GPA of 2.7 OR** Postgraduate Diploma in any relevant field with an average of **“B” or a minimum GPA of 3.0.**

MSc Phytopharmaceutical and Natural Medicines Science programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
PG 620	Principles of Phytopharmaceuticals and related natural medicines	Core	50	30	20	30	52	182	18.2
PG 604	Modern analytical techniques in Phytopharmaceuticals and other Natural Medicines	Core	13	39	13	29	26	120	12.0
PG 621	Approaches in Phytopharmaceuticals and Natural Medicine Discovery	Core	26	45	17	50	10	148	14.8
ER 600	Principles of Epidemiology and Biostatistics *	Core	36	24	24	24	12	120	12.0

EE 600	Bioethics +	Core	35	25	0	0	0	60	6.0
HP 602	Principles of Healthcare Entrepreneurship	Elective	13	17	8	28	11	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
PG 622	Phytopharmaceuticals and related natural medicines formulation	Core	50	4	5	0	56	119	11.9
PG 607	Phytopharmaceutical Development and Quality Assurance	Core	10	10	10	20	100	150	15.0
PG 611	Fieldwork I (Phytopharmaceutical Analysis and regulation of finished natural medicinal products)	Core	0	5	5	4	140	154	15.4
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	6	30	10	22	18	86	8.6
PG 699.011	Dissertation Module 1 Proposal development	Core	4	0	6	5	60	75	7.5
PG 608	Tanzanian Medicinal Flora and Fauna	Core	0	5	40	5	0	50	5.0
PM 605	Marketing Management	Elective	13	17	37	6	4	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PG 611	Fieldwork II (Ethnobiology and ethnomedicine)	Core	0	3	5	5	6	75	7.5
PG 699.02	Dissertation Module 2 Ethical clearance and data collection	Core	0	5	10	40	500	555	55.5

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PB 699.01	Dissertation Module 3 Data analysis, write-up, dissemination, and examination	Core	10	10	10	70	530	630	63.0

MASTER OF PHARMACY (MPHARM) DEGREE PROGRAMMES

These are competency-based programmes aimed at producing highly skilled human resource in pharmaceutical sciences and clinical pharmacy to cater for the needs of the health service provision, industry, research and teaching institutions. Master of Pharmacy students will be enrolled to specialize in any of the following specialties in Pharmacy: -

- (i) Industrial Pharmacy
- (ii) Quality Control and Quality Assurance
- (iii) Clinical Pharmacy
- (iv) Pharmaceutical Microbiology

MPharm Industrial Pharmacy Degree Programme - MHM106

The Master of Pharmacy in Industrial Pharmacy is a 3-year offered in six semesters with each semester consisting of 20 weeks. The programme offers more hands-on practical skills to the graduates as they are attached to the pharmaceutical industries for longer periods of times during fieldworks. It prepares students for careers in drug discovery, development, production, quality control, quality assurance, management, regulatory affairs, and equipment management within the pharmaceutical industry and its suppliers.

Admission requirements

Bachelor degree in Pharmacy or equivalent with an average of “B” or a minimum cumulative GPA of 2.7. OR Postgraduate Diploma in any relevant field with an average of “B” or a minimum GPA of 3.0. MPharm Industrial Pharmacy Degree Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
PT 600	Pharmaceutical Technology and Drug Development	Core	40	70	20	10	40	180	18.0
PT 601	Advance Biopharmaceutics and Pharmacokinetics	Core	47	40	10	10	10	117	11.7
PT 602	Regulatory affairs, Safety, and Environmental management	Core	43	15	10	5	10	83	8.3
PC 601	Modern Techniques in Pharmaceutical Analysis	Core	20	10	10	5	25	70	7.0
ER 600	Epidemiology, biostatistics and research methodology	Core	36.0	24.0	24.0	24.0	12.0	120	12.0
EE 600	Bioethics	Core	40.0	12.0	2.0	4.0	2.0	60	6.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
PT 603	Good Manufacturing Practice	Core	84	40	10	10	30	184	18.4
PT 604	Pharmaceutical Manufacturing Management	Core	160	5	10	5	50	230	23.0
PB 604	Industrial Pharmaceutical Microbiology	Core	22.6	11.8	13.6	40.8	27.2	116	11.6
HE 600	Educational principles and practices for health sciences professionals	Core	68	5	10	15	2	100	10.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PT 610.01	Regulatory Affairs field placement	Core	10	10	10	50	400	480	48.0
ET 699.01	Communication skills/ Entrepreneurship/ Leadership/ Scientific writing/Clinical courses	Elective	15	10	10	85	30	150	15.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PT 610.02	Industrial Pharmacy Field Placement	Core	5	5	10	360	250	630	63.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 63.0									
PT 610.02	Industrial Pharmacy Field Placement	Core	10	10	10	50	400	480	48.0
PT 699.01	Dissertation: Proposal writing and presentation, ethical clearance, Data collection	Core	15	10	10	85	30	150	15.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 63.0									
PC 699.02	Dissertation: Data analysis and report writing	Core	15	20	30	165	400	630.0	63.0

MPharm Quality Control and Quality Assurance Degree Programme- MHM105

The Master of Pharmacy in Quality Control and Quality Assurance is a 2-year degree programme offered in four semesters, with each semester consisting of 20 weeks. This program equips students with modern drug analysis techniques and how to apply them in pharmaceutical quality control and assurance.

Admission requirements

Bachelor degree in Pharmacy or equivalent with an average of “B” or a minimum cumulative GPA of 2.7. OR Postgraduate Diploma in any relevant field with an average of “B” or a minimum GPA of 3.0. PLUS 2- years of post-internship working experience.

MPharm Quality Control and Quality Assurance Degree Programme courses

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
PC 601	Techniques in Pharmaceutical Analysis	Core	40	130	40	40	80	330	33.0
PC 603	Medicine Regulatory Affairs	Core	20	20	30	30	20	120	12.0
ER 600	Epidemiology, biostatistics and research methodology	Core	36	24	24	24	12	120	12.0
EE 600	Bioethics	Core	40	12	2	4	2	60	6.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
PC 607	Pharmaceutical Quality Assurance	Core	20	40	20	50	60	190	19.0
PC 608	Pharmaceutical Quality Control	Core	20	40	20	50	60	190	19.0
HE 600	Educational principles and practices for health sciences professionals	Core	68	5	10	15	2	100	10.0
PB 601	Microbial Aspects of Pharmaceutical Manufacturing	Core	15	45	15	45	30	150	15.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PQ 610	Field Work	Core	-	-	20	50	350	420	42.0
PC 699.01	Dissertation: Proposal development and Data collection	Core	5	10	20	115	60	210	21.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PQ 699.02	Dissertation: Data analysis and report writing	Core	15	20	30	165	400	630.0	63.0

MPharm Clinical Pharmacy Degree Programme - MHM102

The Master of Pharmacy in Clinical Pharmacy is a 3-year offered in six semesters with each semester consisting of 20 weeks. It emphasizes hands-on clinical skills through extended attachments in clinical settings. The program aims to equip graduates to provide high-quality, patient-centered pharmaceutical care, apply

biomedical sciences in evidence-based practice, collaborate in healthcare teams, identify and communicate medication errors, build therapeutic relationships with patients and families, and develop patient-specific treatment plans **Admission requirements**

Bachelor of Pharmacy or equivalent with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0**.

MPharm Clinical Pharmacy Degree Programme Courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
AT 600	Applied therapeutics in Infectious diseases	Core	53	40	30	40	120	283	28.3
PH 600	Clinical Physiology	Core	20	10	10	7	20	67	6.7
PK 601	Fundamentals of Pharmacokinetics	Core	40	30	10	10	10	100	10.0
ER 600	Epidemiology, biostatistics and research methodology	Core	36.0	24.0	24.0	24.0	12.0	120	12.0
EE 600	Bioethics	Core	40.0	12.0	2.0	4.0	2.0	60	6.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
HE 600	Educational Principles and Practice for the Health Sciences Professionals	Core	10	30	10	30	20	100	10.0
AT 610	Lifesaving skills and pandemic preparedness	Core	5	5	5	5	30	50	5.0
PB 604	Fundamentals of Microbiology, Antimicrobial Resistance and Stewardship	Core	20	47	23	40	53	183	18.3
AT 601	Applied therapeutics in Cardiovascular and nephrology	Core	50	27	10	10	120	217	21.7
PK 602	Applied Clinical Pharmacokinetics	Core	20	20	10	10	20	80	8.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
AT 602	Applied therapeutics in respiratory, obstetrics and gastrointestinal disorders	Core	60	80	100	40	200	480	48.0
ET 699.01	Communication skills/ Entrepreneurship/ Leadership/ Scientific writing/Clinical courses	Electives	15	10	10	10	30	150	15.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
AT 603	Applied therapeutics in selected cancer types	Core	20	20	100	10	130	280	28.0
AT 699.01	Research project: Proposal development and Data collection	Core	10	10	10	10	110	150	15.0
CA 601	Clinical attachment	Core	12	2	2	2	182	200	20.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 5: 63.0									
AT 699.01	Research project: Proposal development and Data collection	Core	10	10	10	10	290	330	33.0
CA 602	Clinical attachment	Core	10	10	50	20	210	300	30.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 6: 63.0									
AT 699.02	Research project: Data analysis and report writing	Core	5	5	10	10	600	630	63.0

MPharm Pharmaceutical Microbiology Programme - MHM136

The Master of Pharmacy in Pharmaceutical Microbiology is a 2-year degree programme offered in four semesters, with each semester consisting of 20 weeks. This program aims to produce graduates with knowledge and skills to develop and quality assess the microbiological safety and efficacy of bio pharmaceuticals and cosmetic products, applying molecular technologies and bioinformatic approaches.

Admission requirements

Bachelor degree in Pharmacy or equivalent with an average of “**B**” or a minimum cumulative **GPA of 2.7 OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0**.

MPharm Pharmaceutical Microbiology Programme courses

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
AT 601	Infectious disease applied therapeutics	Core	53	40	30	40	120	283	28.3
ER 600	Epidemiology, biostatistics and research methodology	Core	36.0	24.0	24.0	24.0	12.0	120	12.0
EE 600	Bioethics	Core	40.0	12.0	2.0	4.0	2.0	60	6.0
PB 604	Antimicrobial resistance and stewardship	Core	20	10	5	5	30	70	7.0
PB 605.01	Molecular biology and bioinformatics	Core	10	5	5	5	10	40	4.0
PB 605.02	Molecular biology and bioinformatics	Core	10	15	4	6	30	65	6.5

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
PB 601	Microbial Aspects of Pharmaceutical Manufacturing	Core	45	20	20	15	60	160	16.0
PB 602	Molecular immunology vaccinology and control of hospital infections	Core	35	30	20	15	60	160	16.0
PB 699.01	Dissertation: Proposal development	Core	5	5	5	35	160	210	21.0
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial / Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PB 603	Pharmaceutical Microbiology Field work	Core	21	63	21	63	42	210	21.0
PB 699.02	Dissertation: Proposal development and Ethical Clearance	Core	5	5	5	85	320	420	42.0

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PQ 699.02	Dissertation: Data collection, analysis and report writing	Core	15	20	30	165	400	630.0	63.0

MPharm Pharmacognosy Programme – MHM104

The Master of Pharmacy in Pharmacognosy is a 2-year degree programme offered in four semesters, with each semester consisting of 20 weeks. This program aims to produce graduates with knowledge and skills on how application of various approaches in drug discovery, application of modern techniques in isolation and identification of bioactive compounds, quality control and quality assurance (regulatory affairs) of natural medicinal preparations as well as preparation of monographs and standardized herbal formulations using stipulated specifications (herbal medicines formulation).

Admission requirements

Bachelor degree in Pharmacy or equivalent with an average of “**B**” or a minimum cumulative **GPA of 2.7** OR Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0**.

MPharm Pharmacognosy Programme courses

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1: 63.0									
PG 603	Natural products chemistry, Drug Discovery approaches and Applied Plant Biotechnology	Core	20	60	20	60	40	200	20.0
PG 604	Modern analytical techniques in Phytopharmaceuticals and other Natural Medicines	Core	13	39	13	29	26	120	12.0
PG 605	Modern Spectroscopic Methods and Structure Elucidation in Natural Products	Core	20	40	10	50	10	130	13.0
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12.0
EE 600	Bioethics	Core	35	25	0	0	0	60	6.0
HP 602	Principles of Healthcare Entrepreneurship	Elective	13	17	8	28	11	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 2: 63.0									
PG 622	Phytotherapy	Core	40	60	30	40	20	190	19.0
PG 607	Phytopharmaceutical Development and Quality Assurance	Core	10	10	10	20	100	150	15.0
PG 611	Fieldwork I (Phytopharmaceutical Analysis and regulation of finished natural medicinal products)	Core	0	5	5	4	140	154	15.4
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	6	30	10	22	18	86	8.6
PG 608	Tanzanian Medicinal Flora and Fauna	Core	0	5	40	5	0	50	5.0
PM 605	Marketing Management	Elective	13	17	37	6	4	77	7.7

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 3: 63.0									
PG 612	Fieldwork II (Ethnopharmacological survey)	Core	0	6	0	24	70	100	10.0
PG 699.02	Dissertation Module 1 Proposal development, ethical clearance and data collection	Core	10	10	10	70	430	530	53.0

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminars (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 4: 63.0									
PB 699.01	Dissertation Module 3 Data analysis, write-up, dissemination, and examination	Core	10	10	10	70	530	630	63.0



Laboratory practical session preparation at the School of Pharmacy

EXAMINATION REGULATIONS FOR MSC AND MPHARM DEGREE PROGRAMMES

- (i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter One.
- (ii) All four-semester Master degree programmes shall have the maximum tenure of six (6) semesters. These include six MSc programmes (MSc. Pharmaceutical Management - *regular tract*, MSc. Pharmaceutical Management - *evening tract*, MSc. Medical Products Regulatory Affairs,
- (iii) MSc. Pharmacovigilance and Pharmacoepidemiology, MSc. Bioinformatics, and MSc. Phytopharmaceutical and Natural Medicines Science) and three MPharm programmes (MPharm. Quality Assurance and Quality Control, MPharm. Pharmaceutical Microbiology, and MPharm. Pharmacognosy).
- (iv) All six-semester Master degree programmes shall have the maximum tenure of eight (8) semesters. These include one MSc programmes (MSc. Medicinal and Pharmaceutical Chemistry) and two MPharm programmes (MPharm. Clinical Pharmacy and MPharm. Industrial Pharmacy).

- (v) Registration for full time students shall be once at the beginning of each semester.
- (vi) All modules or modular courses offered during a semester shall be examined at the end of the module or modular course. External examiners or moderators shall be invited at the end of the semester or audit year.
- (vii) There shall be at least two Continuous Assessment Tests (CAT) for each module/modular course or rotation taught during the semester and regular assessment of competencies. CAT and assessment of competencies shall constitute the Formative Assessment (FA).
- (viii) The FA shall contribute 50% to the final grade in the end of module/modular course or rotation Summative Assessment (SA). The SA shall include assessment of relevant competence domains using appropriate tools.
- (vii) The SA shall consist of written, practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively but assessment shall be conducted as in (vi) above.
- (viii) To pass a module/course a candidate has to attain a B grade or higher.
- (ix) No candidate shall be allowed to sit for supplementary in more than three failed courses at any given time irrespective of GPA and shall be discontinued from the programme.
- (x) A candidate who fails any number of modules, modular courses or rotations and has a GPA of less than 2.4 shall be discontinued from studies.
- (xi) Supplementary examination for a failed module(s) or rotation(s) shall be offered during October before the start of new academic year.
- (xii) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from the studies, except in special circumstances, if recommended by the School of Pharmacy Board and Senate Higher Degrees Committee and approved by the University Senate.
- (xiii) A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xiv) For programmes with clinical components, to pass the end of module/modular course or rotation examination the written and clinical/practical parts have to be PASSED SEPARATELY.
- (xv) A candidate who passes a supplementary examination at any level shall be

awarded a “B” grade.

- (xvi) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and approved by the Senate.
- (xvii) A student shall be awarded the MSc Pharmaceutical Management, MPharm, or Masters of Pharmacovigillance and Pharmacoepidemiology degree after passing all examinations for the prescribed courses in the programme and submitting an error free dissertation.
- (xviii) In addition to these regulations, the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.
- (xix) Notwithstanding the above regulations, postgraduate students are bound by civil service regulations and shall have a leave once in a year during the long vacation.

Regulations for dissertation for MSc and MPharm Degree Programmes

- (i) The dissertation shall consist of one research topic. This will be determined by the candidate and approved by the department. Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Pharmacy at least THREE MONTHS before the beginning of semester 4 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for that final examination. The candidate will be required to submit four loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that regulation on maximum tenure for MPharm/ MSc/ Masters of Pharmacovigillance and Pharmacoepidemiology degrees allows.
- (ii) Oral defense of the dissertation shall be done during the end of semester 4 University examinations.
- (iii) A candidate, having passed all semester examinations, shall be required to re-submit error-free dissertation within the specified period as per dissertation examination regulations stipulated in the General Regulations and Guidelines for Postgraduate programmes.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.

The grading system shall be as follows:

Grade	A	B+	B*	C	D	E
Percent	100-75	74-70	69-60	59-50	49-40	39-0
GP	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0

* Pass mark

MASTER OF SCIENCE BY RESEARCH & PUBLICATION AND PHD PROGRAMMES

The common regulations (as appears in the MUHAS General Regulations and Guidelines for Postgraduate study Programmes) for MSc by Research and Publications and Doctor of Philosophy degrees of the University in all Schools and Academic Institutes apply.

Master of Science by Research and Publications - MHM45

Entry requirements

Bachelor degree in any relevant field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

CHAPTER FIVE: SCHOOL OF NURSING

5.1 INTRODUCTION

The School of Nursing (SoN) has more than 30 years of experience of training nurses and midwives at the level of degree and about 18 years in training postgraduate nurses and midwives. The simultaneous growth of the SON marks the growth of the Nursing profession in the country and without doubt, it has been highly successful. This is in keeping with the vision of the School to become a Centre of excellence in nursing education, service provision, research and consultancy. By this vision, the SON has performed its role as the premier provider of nursing professionals who now hold leading positions in both governmental and non-governmental organizations. The School also has trained the majority of teachers for other Schools of Nursing in the various Universities in the country and abroad.

The School offers postgraduate degree programmes to the level of Master and PhD. Master programmes include Master of Science in Mental Health Nursing and Psychotherapy (MSc MHNP), Master of Science in Emergency and Critical Care Nursing (MSc ECCN), MSc in Cardiovascular Nursing (MSc CVN), Master of Science in Nephrology Nursing (MSc NN), Master of Science in Oncology and Palliative Care Nursing (MSc ON&PN) and Master of Science Midwifery in Women's Health (MSc MWH). Graduates of these programmes are provided with opportunity for professional growth, including clinical decision making reflective and problem-solving skills and critical thinking. At present, nurses have an extended role in health services delivery including educator, researcher and policy. Currently, several regional referral hospitals have nurses or midwives specialists trained in MUHAS.

5.2 PROGRAMMES

5.2.1 Master of Science in Mental Health Nursing and Psychotherapy (MScMHNP MH) Degree Programme – MHM118

This is a six (6) semester program. The programme aims at producing a competent mental health nurse specialist working in general and specialized mental health care facilities, teaching institutions, community organizations, as well as different levels of policy development and implementation in the country.

5.2.1.1 Entry requirements

Bachelor of Science in Nursing with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0. PLUS** 2-years of postinternship working experience.

5.2.1.2. Master of Science in Mental Health Nursing and Psychotherapy (MSc MHNP) Degree Programme courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NA 600	Fundamentals for Advanced Nursing Practice	Core	10	20	20	50	20	120	12
NA 601	Anatomy and Physiology of the Body System	Core	10	10	30	30	20	100	10
MH 600	Fundamentals of Neuroscience	Core	20	20	20	20	150	230	23
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE 600	Bioethics	Core	6	18	6	18	12	60	6
Total			82	92	100	142	214	630	63

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MH 601	Clinical Pharmacology for Advanced Mental Health Practice	Core	20	20	30	20	110	200	20
MH 602	Adult Mental Health and Psychiatry	Core	20	50	60	70	130	330	33
HE 600	Educational Principles and Practices for the Health Sciences Professionals	Core	68	5	10	15	2	100	10
Total			118	55	80	65	312	630	63

Semester 3 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MH 603	Child and Adolescent Mental Health	Core	30	60	70	90	240	490	49
NR 600	Research and Evidence-Based Practice in Health	Core	10	10	40	60	20	140	14
Total			50	50	80	110	340	630	63

Semester 4 Year 2

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
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MH 604	Clinical Psychotherapies	Core	30	30	30	40	300	430	43
MH 605	Psychiatric Rehabilitation and Recovery	Core	20	20	20	10	140	210	20
Total			40	70	90	90	350	630	63

Semester 5 Year 3

Course code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MH 606	Applied Adult Mental Health and Psychiatry	Core	10	20	40	20	310	400	40
MH 607	Psychological Management of Common Mental Disorders	Core	5	10	15	10	90	130	13
NR 601	Data Collection, Analysis, Translation, and Integration of Research Evidence	Core	10	10	30	30	20	100	10
Total			40	50	70	60	410	630	63

Semester 6 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
MH 608	Applied Child and Adolescence Mental Health	Core	10	20	20	10	270	330	33
NC 699	Dissertation/Dissemination of Research Evidence	Core	10	20	10	60	100	200	20
NA 603	Global health/clinical governance/leadership and entrepreneurship in health care system	Core	10	20	30	30	10	100	10
Total			30	60	60	100	380	630	63

5.2.2 Master of Science in Emergency and Critical Care Nursing (MSc. ECCN) Degree Programme - MHM117

This is a six (6) semester, 3 years competency-based programme which aims at producing a competent Critical Care nurse specialist who have highly specialized skills in a field of critical care and emergency care to work in a specialized healthcare settings, teaching institutions, community organizations, as well as different levels of policy development and implementation in the country.

5.2.2.1 Entry requirements

Bachelor of Science in Nursing or Midwifery with an average of **“B”** or a **minimum GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a **minimum GPA of 3.0. PLUS** 2- years of post-internship working experience.

5.2.2.2 Master of Science in Emergency and Critical Care Nursing (MSc ECCN) Degree Programme courses

Semester 1 Year 1

CourseCode	Course Name	Core or elective	Lecture (Hrs.)	Tutorial/ Seminar (Hrs.)	Assignment(Hrs.)	Independent Study (Hrs.)	Practical(Hrs.)	Total (Hrs.)	Credits
NA600	Fundamentals for Advanced Nursing Practice	Core	10	20	20	50	20	120	12
NA601	Anatomy and Physiology of Body Systems	Core	10	10	30	30	20	100	10
HA600	Advanced Health Assessment and Clinical Reasoning	Core	10	20	30	30	140	230	23
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE600	Bioethics	Core	6	18	6	18	12	60	6
Total			72	92	110	152	204	630	63

Semester 2 Year 1

Course Code	Course Name	Core or elective	Lecture (Hrs.)	Tutorial/ Seminar (Hrs.)	Assignment(Hrs.)	Independent Study (Hrs)	Practical(Hrs.)	Total (Hrs.)	Credits
NC600	Essentials for Emergency and Critical Care Nursing	Core	40	30	40	30	290	430	43

NC601	Applied Clinical Pharmacology for Emergency and Critical Care Nursing	Core	20	20	20	20	20	100	10
HE 600	Educational Principles and Practice for Health Sciences Professionals	Core	68	5	10	15	2	100	10
Total			128	55	70	65	312	630	63

Semester 3 Year 2

CourseCode	Course Name	Core orelective	Lecture (Hrs.)	Tutorial/ Seminar (Hrs.)	Assignment(Hrs.)	Independent Study (Hrs.)	Practical(Hrs.)	Total(Hrs.)	Credits
NC602	Emergency Conditions and Nursing Management	Core	35	30	50	30	345	490	49
NR600	Research and Evidence Based Practice in Health	Core	10	10	40	60	20	140	14
Total			45	40	90	90	365	630	63

Semester 4 Year 2

CourseCode	Course Name	Core orelective	Lecture (Hrs.)	Tutorial/ Seminar (Hrs.)	Assignment(Hrs.)	Independent Study (Hrs.)	Practical(Hrs.)	Total(Hrs.)	Credits
NC603	Adult Intensive Care Nursing	Core	30	50	50	30	470	630	63
Total			30	50	50	30	470	630	63

Semester 5 Year 3

CourseCode	Course Name	Core or elective	Lecture (Hrs.)	Tutorial/ Seminar (Hrs.)	Assignment (Hrs.)	Independent Study (Hrs.)	Practical(Hrs.)	Total (Hrs.)	Credits
NC604	Geriatric, Obstetric and Pediatric Intensive Care	Core	20	30	50	30	400	530	53

	Nursing								
NR601	Data Collection, Analysis, Translation and Integration of Research Evidence	Core	10	10	30	30	20	100	10
Total			30	40	80	60	420	630	63

Semester 6 Year 3

CourseCode	Course Name	Core or elective	Lecture (Hrs.)	Tutorial/ Seminar (Hrs.)	Assignment(Hrs.)	Independent Study (Hrs.)	Practical(Hrs.)	Total (Hrs.)	Credits
NC605	Emergency and Critical Care Nursing Practice	Core	10	10	40	20	250	330	33
NA603	Global Health, Leadership, Management, Governance and Entrepreneurship in Health	Core	10	20	30	30	10	100	10
NC699	Dissertation, Manuscript Development and Dissemination of Research Evidence	Core	10	20	10	60	100	200	20
Total			30	50	80	110	360	630	63

5.2.3 Master of Science Midwifery and Women's health (MSc MWH) Degree Programme - MHM40

This is a six (6) semesters, three year competency-based programme which aims at producing specialised midwives who are capable of providing specialised care during perinatal, antenatal, intranatal and postnatal services in a specialised healthcare settings as well as in teaching institutions, community organizations, as well as different levels of policy development and implementation in the country.

5.2.3.1 Entry requirements

Bachelor of Science in Nursing or Midwifery with an average of “B” or a minimum GPA of 2.7. OR Postgraduate Diploma in any relevant field with an average of “B” or a minimum GPA of 3.0. PLUS 2- years of post-internship working experience.

5.2.3.1 Master of Science Midwifery and women’s health (MSc MWH) programme courses

Semester 1 Year 1

Course Code	CourseName	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
MW 600	Fundamentals of Advanced Midwifery Practice	Core	70	20	25	30	165	310	31
NA 601	Anatomy and Physiology of Body Systems	Core	20	20	30	50	20	140	14
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE 600	Bioethics	Core	6	18	6	18	12	60	6
Total			106	88	65	120	255	634	63

Semester 2 Year 1

Course Code	CourseName	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
MW 601	Women’s Health and Gynecology	core	90	20	20	20	280	430	43
MW 602	Clinical Pharmacology in Midwifery practice	Core	20	10	10	10	50	100	10

HE 600	Educational principles and practices for the health sciences professionals	Core	68	5	10	15	2	100	10
Total			178	35	40	45	332	630	63

Semester 3 Year 2

Course Code	CourseName	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
NR 600	Research and Evidence-based Practice in Health	Core	10	10	40	60	20	140	14
MW 603	Family Planning and Reproductive Technology	Core	30	5	5	5	175	220	22
MW 604	Advanced Antenatal Care	Core	40	10	20	10	190	270	27
Total			80	25	65	75	385	630	63

Semester 4 Year 2

Course Code	CourseName	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
MW 605	Advanced Intrapartum and Postpartum care	Core	30	10	10	10	250	310	31
MW 606	Obstetric Emergency and Critical Care	Core	30	20	35	25	210	320	32
Total			60	30	45	35	460	630	63

Semester 5 Year 3

Course Code	CourseName	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
MW607	Neonatology and Newborn Essential Technologies	Core	80	30	30	30	360	530	53
NR 601	Data Collection, Analysis, Translation and Integration of Research Evidence	Core	10	10	30	30	20	100	10
Total			90	40	60	60	380	630	63

Semester 6 Year 3

Course Code	CourseName	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
NA 603	Global health, health system, leadership, governance and entrepreneurship	Core	10	20	30	30	10	100	10
NC 699	Dissertation and Dissemination of research findings in health	Core	10	20	10	60	100	200	20
MW 608	Advanced Midwifery Practicum	Core	20	35	25	60	190	330	33
Total			40	75	65	150	300	630	63

5.2.4 Master of Science in Cardiovascular Nursing (MSc. CVN) Programme - MHM144

This is a six (6) semester (3 years) competency-based programme which aims at producing specialised cardiovascular nurse who are capable of providing holistic cardiovascular care services to patients in acute, intensive care units, emergency, manage chronic cardiovascular disease and rehabilitation services. The cardiovascular nurse specialists will be able to perform cardiac catheterization, design a course and teach in large and small groups in the clinical setting, design, conduct and disseminate research findings, develop care standards and conduct consultation services to promote quality of cardiovascular care. They are expected to work in the specialized healthcare facilities, health teaching institutions, community organizations, as well as different levels of policy development and implementation in the country.

5.2.4.1 Entry requirements

Bachelor of Science in Nursing or Midwifery with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0. PLUS** 2- years of post-internship working experience.

Master of Science in Cardiovascular Nursing (MSc.CVN) Degree Programme courses

Semester 1 Year 1

Course code	Course Name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
NA 600	Fundamentals for Advanced Nursing Practice	Core	10	20	20	50	20	120	12
NA 601	Anatomy and Physiology of Body Systems	Core	10	10	30	30	20	100	10
NV 600	Pathophysiology, Assessment, Diagnostic investigations, and Management principles of Cardiovascular Disorders	Core	20	20	20	20	150	230	23
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE 600	Bioethics	Core	6	18	6	18	12	60	6
Total			82	92	100	142	214	630	63

Semester 2 Year 1

Course code	Course Name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
NV 601	Clinical Pharmacology for Cardiovascular Nursing Practice	Core	20	20	10	20	30	100	10
NV 602	Cardiovascular Critical Care	Core	30	30	30	30	310	430	43
HE600	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10
Total			118	55	50	65	342	630	63

Semester 3 Year 2

Course code	Course Name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
NV 603	Cardiovascular Disorders and Nursing Management	Core	40	40	40	50	320	490	49
NR 600	Research and Evidence Based Practice in Health	Core	10	10	40	60	20	140	14
Total			50	50	80	110	340	630	63

Semester 4 Year 2

Course code	Course Name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
NV 604	Pediatric Cardiology and Nursing Management	Core	30	20	50	30	350	480	48
NV 605	Home-Based Cardiac Rehabilitation and Nursing Management	Core	10	10	10	10	110	150	15
Total			40	30	60	40	460	630	63

Semester 5 Year 3

Course code	Course Name	Core or elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
NV 606	Cardiovascular Catheterization, Adult Cardiovascular Surgery and Nursing Management	Core	40	30	30	20	410	530	53
NR 601	Data Collection, Analysis, Translation and integration of Research Evidence	Core	10	10	30	30	20	100	10
Total			50	40	60	50	430	630	63

Semester 6 Year 3

Course code	Course Name	Core or elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits

NV 607	Cardiovascular Nursing Practicum	Core	10	20	20	10	270	330	33
NA 603	Global Health, Clinical Governance, Leadership and Entrepreneurship in Health Care System	Core	10	20	30	30	10	100	10
NC 699	Dissertation, Manuscript Development and Dissemination of Research Evidence	Core	10	20	10	60	100	200	20
Total			30	60	60	100	380	630	63

Master of Science in Nephrology Nursing (MSc.NN) Programme - MHM145

This is a six (6) semester (3 years) competency-based programme which aims at producing Nephrology Nurse specialists who are capable of performing comprehensive assessment, plan care of nephrology patients undergoing management for the various renal disorders using best practices based on evidence. Nephrology Nurse specialists should be able to design kidney transplant and dialysis unit, design a course and teach in large and small groups in the clinical setting, and develop care standards and provide consultation services to promote quality of care.

Entry Requirements

Bachelor of Science in Nursing or Midwifery with an average of “B” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “B” or a minimum **GPA of 3.0. PLUS** 2- years of post-internship working experience.

5.2.5.2 Master of Science in Nephrology Nursing (MSc.NN) programme courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NA 600	Fundamentals for Advanced Nursing Practice	Core	10	20	20	50	20	120	12
NA601	Anatomy and Physiology of Body Systems	Core	10	10	30	30	20	100	10
NN600	Pathophysiology, Assessment and Management Principles of Renal Disorders	Core	20	20	30	40	120	230	23
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE 600	Bioethics	Core	6	18	6	18	12	60	6
Total			82	92	110	162	184	630	63

Semester 2 Year 1

Course code	Course code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NN601	Clinical Pharmacology for Nephrology Nursing Practice	Core	20	20	20	20	20	100	10
NN602	Renal Disorders and Nursing Management	Core	30	30	30	30	310	430	43
HE 600	Educational Principles and Practice for Health Sciences Professionals	Core	68	5	10	15	2	100	10
Total			118	55	60	65	332	630	63

Semester 3 Year 2

Course code	Course code	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NN603	Renal Replacement Therapy and Nursing Management	Core	35	30	50	30	345	490	49
NR600	Research and Evidence Based Practice in Health	Core	10	10	40	60	20	140	14
Total			45	40	90	90	365	630	63

Semester 4 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits

NN 604	Renal Transplantation and Nursing Management	Core	30	50	50	30	470	630	63
Total			30	50	50	30	470	630	63

Semester 5 Year 3

Course code	Course code	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NN605	Renal disorders in Paediatric, Pregnancy, Elderly, and nursing management	Core	20	30	50	30	400	530	53
NR601	Data Collection, Analysis, Translation, and Integration of Research Evidence	Core	20	20	20	30	10	100	10
Total			40	50	70	60	410	639	630

Semester 6 Year 3

Course code	Course code	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NN606	Adult and paediatric renal nursing practice	Core	10	20	20	10	270	330	33
NA603	Global Health, Leadership, Management, Governance and Entrepreneurship in Health	Core	10	20	30	30	10	100	10
NC 699	Dissertation, Manuscript Development and Dissemination of Research Evidence	Core	10	20	10	60	100	200	20
Total			30	60	60	100	380	630	630

Master of Science in Oncology and Palliative Care Nursing (MSc.O&PCN) Programme - MHM146

This is a six-semester (3 years) competency-based programme which aims at producing Oncology Nurse Specialists who are capable of performing holistic oncological care to patients in oncological units, conduct comprehensive assessment of patient with oncological health problems using relevant scientific approaches and plan of care for patients who are under management due to various oncological disorders. Oncology Nurse Specialists should be able to design, conduct and disseminate research findings, develop care standards and provide consultation services to promote quality of care.

Entry Requirements

Bachelor of Science in Nursing or Midwifery with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0. PLUS** 2- years of post-internship working experience.

Master of Science in Oncology and Palliative Care Nursing (MSc. O & PNC) Program courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NA 600	Fundamentals for Advanced Nursing Practice	Core	10	20	20	50	20	120	12
NA601	Anatomy and Physiology of Body Systems	Core	10	10	30	30	20	100	10
NO600	Pathophysiology, Assessment and Management principles of Oncology disorders	Core	20	20	20	20	150	230	23
ER 600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE 600	Bioethics	Core	6	18	6	18	12	60	6
Total			82	92	100	142	214	630	63

Semester 2 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NO601	Clinical Pharmacology for advanced oncology and palliative care practice	Core	20	20	20	20	20	100	10
NO 602	Adult Cancer Disorders and Nursing Management	Core	30	30	30	30	310	430	43

HE 600:	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10
Total			118	55	60	65	332	630	63

Semester 3 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NO 603	Paediatric Oncology and Nursing Management	Core	35	30	50	30	345	490	49
NR 600	Research and Evidence Based Practice in Health	Core	10	10	40	60	20	140	14
Total			45	40	90	90	365	630	63

Semester 4 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NO:604	Oncological Emergencies, Bone Marrow Transplantation and Nursing Management	Core	40	20	20	10	240	330	33
NO:605	Palliative care	Core	20	40	50	40	150	300	30
Total			60	60	70	50	390	630	63

Semester 5 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NO 606	Paediatric oncology and palliative care nursing practice	Core	20	30	50	30	400	530	53

NR 601	Data Collection, Analysis, Translation, and Integration of Research Evidence	Core	10	10	30	30	20	100	10
Total			40	50	70	60	410	630	63

Semester 6 Year 3

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NO 607	Adult oncology and palliative care nursing practice	Core	10	20	20	10	270	330	33
NA 603	Global health, leadership, Management, governance, and entrepreneurship	Core	10	20	30	30	10	100	10
NC 699	Dissertation, Manuscript Development and Dissemination of Research Evidence	Core	10	20	10	60	100	200	20
Total			30	60	60	100	380	630	63

EXAMINATION REGULATIONS FOR MSC NURSING AND MSC MIDWIFERY AND WOMEN'S HEALTH DEGREE PROGRAMMES - MHM40

- (i) General University Examination regulations on registration for examination, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MScN degrees are 6-semester programmes and the maximum tenure allowed for the degree shall be 8 semesters.
- (iii) Registration for full time students shall be once at the beginning of each semester.
- (iv) All modules or modular 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.
- (v) There shall be at least two Continuous Assessment Tests (CATs) for each module taught during semester one, and at least one CAT in each of semesters 2-6 and regular assessment of competencies. These shall form the Formative Assessment (FA).
- (vi) The FA in semesters 2-6 shall consist of evaluation of clinical and other competency domains using appropriate tools in addition to written examination.
- (vii) The CAT shall contribute 50% of the final grade in the end of module/ modular course or rotation. The SA for semesters 3-4 shall consist of written, clinical/practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively.

- (viii) To pass a course a candidate shall have to attain a B grade or higher.
- (ix) A candidate failing three or more courses shall be discontinued from the programme irrespective of GPA.
- (x) A candidate shall not be allowed to sit for the first supplementary examination if the cumulative GPA is less than 2.4 and shall be discontinued.
- (xi) A candidate who fails the second supplementary examination of semesters 1 - 2 for one or two year programmes, and semesters 1-4 for three years programmes shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xii) A candidate who fails the second supplementary examination of semesters 5-6 for a three-year programme shall be allowed to supplement the failed courses/modules/modular courses after semester four, provided the maximum tenure of 8 semesters is not exceeded.
- (xiii) A student who passes a supplementary examination at any level shall be awarded a "B" grade.
- (xiv) To pass the end of module/modular course/rotation examinations in semesters 2-4 the written and clinical/practical parts have to be PASSED SEPARATELY.
- (xv) A candidate shall not be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and approved by the Senate.
- (xvi) A candidate shall be awarded the MScN or MScMWH degree after passing all examinations in the prescribed courses in the relevant MScN or MScMWH programme including submission of an error free dissertation.
- (xvii) For all postgraduates programmes the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.

Regulations on MSc in Nursing and MSc Midwifery and Women's Health dissertations

- (i) The dissertation shall consist of one research topic determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Nursing at least THREE MONTHS before the beginning of semester 4 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for those final examinations. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MSc N degrees allows.
- (iii) Oral defense of the dissertation shall be done during the end of semester 4 University examinations.
- (iv) A candidate, having passed all semester examinations, will be required to re-submit error-free dissertation within the specified period as per dissertation examination regulations stipulated in the General Regulations and Guidelines for Postgraduate programmes.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

MASTER OF SCIENCE BY RESEARCH AND PHD PROGRAMMES

The common regulations (as appears in the MUHAS General Regulations and Guidelines for Postgraduate study Programmes) for MSc by Research and Publications and Doctor of Philosophy degrees of the University in all Schools and Academic Institutes apply.

Master of Science by Research and Publications - MHM45

Master of Science by Research and Publications Entry requirements

Bachelor degree in any relevant field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

CHAPTER SIX: SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

6.1 INTRODUCTION

The School of Public Health and Social Sciences (SPHSS) is one of five schools within Muhimbili University of Health and Allied Sciences (MUHAS). The School came into being after the amalgamation of the former Institute of Public Health, the Institute of Development Studies and the Institute of Primary Health Care and Continuing Education. The Institute of Public Health, however, dates back to July 1991 when it was established after the then faculty of medicine was upgraded into a college. Currently, the SPHSS has seven departments: Behavioural Sciences; Bioethics and Health Professionalism; Community Health; Development Studies; Epidemiology and Biostatistics; Parasitology and Medical Entomology; and Environmental and Occupational Health.

The vision of the SPHSS is to become a centre of excellence in the field of Public Health both at home in Tanzania, East Africa, and beyond. The mission of SPHSS is to provide quality teaching, research, consultancy and public health services to the people of Tanzania and beyond using public health principles. All these elements aim at addressing the core functions of the University: training of human resources for health in both formal and continuing education as well as using professional development approaches; conducting research relevant to solving community health problems; and providing technical assistance in various public health disciplines to partners, collaborators, ministries and implementers of public health interventions. The School realizes that collaborative work with various stakeholders and partners is fundamental to achieving these noble objectives.

The School has more than 100 members of staff 34 of these having acquired PhDs from various re-known Universities across the world thus bringing home a wealth of skills, experience and competences to share with stakeholders especially students. The School has a wealth of experience in conducting research and community service activities within Tanzania and beyond and collaborates with a number of partner Universities, Governments, and Research Institutions and not least the communities we serve.

The school members of academic staff teach across the University in cross cutting subjects, and the School is host to nineteen postgraduate programmes with a total of 145 students. Summaries of the current programmes are presented hereunder. The school is looking forward to starting new Master programmes including Master of Business Administration in Health (MBA in Health) and MSc Biostatistics.

6.2 PROGRAMMES

6.2.1 Master of Science (MSc.) in Health Policy, Management, and Entrepreneurship (MSc-HPME) – MHM52

This program is designed to equip participants with essential management, policy and entrepreneurship knowledge and skills as applied to the health and related sectors. Graduates of this program are expected to play key roles as policy analysts and managers at districts, regional and national level health system positions. They are also expected to work as program managers/officers of health and health related programmes both within public and non-public sectors.

6.2.1.1 Entry requirements

Doctor of Medicine, Pharmacy, Dentistry, Nursing, Environmental Health Sciences, Sociology, Anthropology, Health Statistics, Demography, Food Sciences, Veterinary Sciences, Epidemiology, Biology, Human Nutrition, Health Information Sciences or health related field with an average of “**B**” or a minimum **GPA of 2.7**.

6.2.1.1.1 Master of Science in Health Policy, Management, and Entrepreneurship Degree courses

Semester 1 Year 1

Course Code	Course name	Core or Elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
FP 600	Principles of Public Health and One Health	Core	11	14	7.5	30	7.5	70	7.0
FP 601	Principles of Epidemiology	Core	16	11	14	24	20	85	8.5
FP 602	Principles of Biostatistics	Core	15	14	10.5	31	14.5	85	8.5
FP 603	Health Management, Leadership and Policy	Core	18	24.5	12.5	49	18	118	11.8
FP 604	Research Methods	Core	19	7	22.5	42	23.5	118	11.8
HP 600	Gender and Social Inclusion in Global Health Policy and planning.	Core	15	30	12	10	10	77	7.7
HP 602	Principles of health Entrepreneurship	Core	13	17	8	28	11	77	7.7
Total			124	142.5	99	225	109.5	630	63

Semester 2 Year 1

Course Code	Course name	Core or Elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
HP 603	Business planning and Financial Management in health	Core	13	14	9	28	13	70	7
HP 604	Health Care Strategic Management	Core	20	40	24	25	11	120	12

HP 605	Advanced Health Policy Analysis	Core	15	40	20	25	10	140	14
HP 606	Essentials of Health Economics	Core	20	40	20	20	10	110	11
HP 607	Ethics and Legal Issues in Health	Core	10	40	20	15	5	90	9
HE 600	Educational Principles and Practices for the Health Sciences Professionals	Core	10	40	30	10	10	100	10
Total		Core	90	335	150	154	51	630	63

Semester 1 Year 2

Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
HP 608	Equity and Evidence based policy making	Core	15	25	12	10	8	70	7
PME 602	Principles of Project Management in Health	Core	24	12	12	84	23	120	12
HP 609	Health Innovation and Entrepreneurship	Core	31	64	20	16	9	140	14
HP 699.1	Dissertation	Core	10	50	15	190	35	300	30
Total			87	195	76.5	260	81.5	630	63

Semester 2 Year 2

Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
HP 699.2	Dissertation	Core	6	2	2	618	2	630	63
Total			6	2	2	618	2	630	63

6.2.1.2 Examination regulations for MSc. in Health Policy, Management, and Entrepreneurship

- (i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The academic year is the basic academic audit unit.
- (iii) The Master of Science in Health Policy, Management, and Entrepreneurship is a 4-semester programme and the maximum tenure for the degree shall be 6 semesters.
- (iv) The maximum freezing period shall be 2 semesters.
- (v) Registration for full time students shall be once at the beginning of each semester.
- (vi) There shall be at least two continuous assessment tests (CAT) and regular assessment of competencies for each module/modular course taught during each semester and these shall constitute the Formative Assessment (FA). Final end of module/modular course examination shall constitute the Summative Assessment (SA).
- (vii) The FA shall contribute 50% of the final grade in the end of module/modular course university examinations.
- (viii) All modules/modular courses offered during a semester shall be examined at the end of the module. For this purpose there will be end of module examinations.
- (ix) At the end of the audit year external examiners or moderators will be invited.
- (x) Decision-making on the students shall be determined at the end of the audit year after computing cumulative GPA for each candidate.
- (xi) No candidate shall be allowed to sit for supplementary examinations in more than three failed modules/modular courses and shall be discontinued from studies.
- (xii) A candidate who fails the second supplementary examination in semester 1 or 2 shall be discontinued from studies, except in special circumstances, if recommended by the SPHSS Board and approved by the University Senate.

A candidate who fails the second exam in semester 3 or 4 shall be allowed to sit for supplementary exam for the failed subject provided the maximum tenure of 6 semesters is not exceeded.

- (xiii) A candidate who fails any number of modules/modular courses during first sitting and has a GPA of less than 2.4 shall be discontinued from the course.
- (xiv) The pass mark for the examinations in the Master of Science in Health Policy, Management, and Entrepreneurship programme shall be 50%.
- (xv) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade for that particular module or course.
- (xvi) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and Senate Higher Degrees Committee and approved by the University Senate.
- (xvii) The MSc. in Health Policy, Management, and Entrepreneurship shall not be classified.
- (xviii) In addition to these Regulations the General Regulations and Guidelines for postgraduate study programmes shall be binding.
- (xix) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

6.2.1.3 Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

6.2.1.4 Regulations on dissertation

- (i) For one to qualify for the award of Master of Science degree in Health

Policy, Management, and Entrepreneurship, he/she must pass all modules/modular courses examinations and the dissertation.

- (ii) The dissertation shall consist of one research topic chosen by the student and approved by the department.
- (iii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School at least THREE MONTHS before the beginning of the last module/modular course or rotation examinations in the final semester. A candidate who does not submit a dissertation at this period shall be barred from sitting for final that examination. The candidate shall be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for the degree allows.
- (iv) Oral defense of the dissertation shall be done during the end of last semester University examinations.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.

6.2.2 Master of Medicine in Community Health (MMed Community Health) Programme - MHM135

The aim of the MMed (Community Health) programme is to prepare the graduate as a Public health specialist with the community as the main focus, who is both a research and potential member of health planning and management committees within government as well as non- governmental organizations. To this end, the graduate is trained to develop knowledge and competences for managing health systems and for planning, initiating, monitoring and evaluating public health programmes.

6.2.2.1 Entry Requirements

Doctor of Medicine or equivalent with an average of “B” or a minimum GPA of

2.7. OR Postgraduate Diploma in any relevant field with an average of “B” or a minimum GPA of 3.0..

6.2.2.1.1 : MMed (Community Health) Degree Programme Courses

Semester 1 Year 1

Course Code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP600	Core	11	14	7.5	30	7.5	70	7.0
FP601	Core	16	11	14	24	20	85	8.5
FP602	Core	15	14	10.5	31	14.5	85	8.5
FP603	Core	18	24.5	12.5	48.5	18	121.5	12.2
FP604	Core	12	15	7	28	10	72	7.2
FP606	Core	19	7	22.5	42	23.5	114	11.4
FP607	Core	10	14	7	28	11	70	7.0
PQ600	Core	54	2.0	56	50	2	162	16.2
EE600	Core	6	18	6	18	12	60	6.0
Total		161	117.5	143	300	118.5	840	84

Semester 2 Year 1

Course Code	Core or Elective	Lecture (Hrs)	Tutorial/ seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ602	Core	25	31	18.5	25	24.5	124	12.4
TD601	Core	16	48	16	48	32	160	16.0
CH600	Core	2	100	25	150	225	502	50.2
HE600	Core	68	5	10	15	2	100	10.0
Total		111	184	69.5	238	283.5	886	88.6

Semester 1 Year 2

Course Code	Core or Elective	Lecture (Hrs)	Tutorial/ seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CH608.01	Core	30	120	32	180	261	623	62.3
PE600	Core	2	34	8.5	51	76.5	172	17.2
MI600	Core	22	46	30	84	70	252	25.2
Total		54	200	70.5	315	407.5	1047	104.7

Semester 2 Year 2

Course Code	Core or elective	Lecture (Hrs)	Tutorial/ seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CH608.02	Core	50	90	80	260	340	820	82.0
Total		50	90	80	260	340	820	82.0

Semester 1 Year 3

Course Code	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CH699.01	Core	6	30	80	180	524	820	82.0
Total		6	30	80	180	524	820	82.0

Semester 2 Year 3

Course Code	Core or Elective	Lecture (Hrs)	Tutorial/ seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
CH699.02	Core	4	10	45	145	616	820	82.0
Total		4	10	45	145	616	820	82.0

6.2.2.1.2 Examination Regulations for MMed Community Health Degree Programme

- (i) General University Examination regulations on registration, registration for examinations, eligibility for examination, absence from examination, Board of examiners, conduct of examinations, examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MMed Community Health is a 6-semester programme and the maximum tenure for the MMed degree shall be 8 semesters.
- (iii) Registration for full time students shall be once at the beginning of each semester.
- (iv) There shall be at least two Continuous Assessment Tests (CAT) for each module taught and regular assessment of competencies, which will constitute the Formative Assessment (FA) during semester one, and at least one CAT and assessment of competencies in each of semesters 2-6.
- (v) The FA shall contribute 50% of the final grade in the end of module Summative Assessment (SA). Assessment of competencies shall be done through the use of appropriate tools.
- (vi) The FA and SA for semesters 2-6 shall consist of written, practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively assessed as in (v) above.
- (vii) To pass a module, modular course or fieldwork rotation a candidate has to attain a B grade or higher.
- (viii) Decision-making on failing students shall be determined at the end of the audit year.
- (ix) No candidate shall be allowed to sit for supplementary in more than three failed courses at any given time irrespective of GPA and shall be discontinued from the programme.
- (x) A candidate who fails in three or less modules, modular courses or rotations
and has a GPA of less than 2.4 shall be discontinued from studies.
- (xi) A candidate who fails in three or less modules or modular courses shall be allowed to sit for a first supplementary examination provided he/she has a GPA of 2.4 or more.
- (xii) A candidate who fails the second supplementary examination in semesters 1-4 shall be discontinued from the course, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate. A candidate who fails the second supplementary examination in semesters 5-6 shall be allowed
to supplement the failed modules/ modular courses after semester six provided the maximum tenure of eight semesters is not exceeded

- (xiii) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xiv) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and approved by the Senate.
- (xv) A student shall be awarded the MMed degree after passing all examinations in the prescribed modules in the courses in the MMed Programme and submitting an error free dissertation.
- (xvi) In addition to these regulations the General Regulation and guidelines for postgraduate study programmes shall be binding.
- (xvii) Notwithstanding the regulations above, postgraduate students are bound by civil service regulations and shall have only one leave in each year during the long vacation.

6.2.2.1.3 The grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

6.2.2.1.4 Regulations on dissertations for the MMed (Community Health) Degree

- (i) The dissertation shall consist of one research topic as has been determined by the student and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of School of Public Health and Social Sciences at least THREE MONTHS before the beginning of semester 6 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for the final examinations. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the maximum tenure for MMed degree allows.

- (iii) Oral defense of the dissertation shall be done during the end of semester 6 University examinations.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.

6.2.3 Master of Science in Tropical Diseases Control (MSc TDC) Degree Programme - MHM129

This is a four semesters (two years) programme designed to impart to students' skills to carry out community diagnosis to identify priority health problems for relevant research and control, undertake scientific investigation on specific aspects related to epidemic and endemic tropical diseases; and design, implement and evaluate appropriate disease control programmes with community involvement. During Semester 2, candidates are required to major either in Epidemiology (in which case they will have to do TD 601) or Parasitology/Medical Entomology (in which case they will have to do PE 601).

6.2.3.1 Entry Requirement

Doctor of Medicine, Dental Surgery, Bachelor of Pharmacy, Medical Laboratory Sciences, Nursing, Veterinary Medicine, Environmental Health or Zoology and related field with an average of "B" or a minimum **GPA of 2.7**. **OR** Postgraduate Diploma in any relevant field with an average of "B" or a minimum **GPA of 3.0**.

6.2.3.1.1 Master of Science in Tropical Diseases Control Degree Programme Courses

Semester 1 Year 1

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
FP600	Introduction to Public Health and One Health	Core	11	14	7.5	30	7.5	70	7.0
FP601	Principles of Epidemiology	Core	16	11	14	24	20	85	8.5
FP602	Biostatistics	Core	15	14	10.5	31	14.5	85	8.5
FP603	Health Management, Planning and Policy	Core	18	24.5	12.5	49	18	118	11.8
FP 604	Research Methods	Core	19	7	22.5	42	23.5	118	11.8
EE 600	Bioethics	Core	6	18	6	18	12	60	6
EH 606	Water, Sanitation, and Hygiene	Core	30	20	20	20	10	100	10
Sub-Total			115	108.5	93	214	105.5	636	63.6

Semester 2 Year 1

Course code	Course name	Core/elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PE600	Essentials of Parasitology and Medical Entomology	Core	9.5	28.5	9.5	28.5	19	95	9.5
PE601	Advanced Medical Parasitology	Elective	12.5	37.5	12.5	37.5	25	125	12.5
PE602	Advanced Medical Entomology	Elective	12	36	12	36	24	120	12
AE603	Statistical methods in Epidemiology	Elective	21	14	14	14	7	70	7
PQ605	Essentials of Monitoring and Evaluation of Public Health Programs	Elective	19.5	13	13	13	6.5	65	6.5
IS600	Principles of Implementation Science (EPI)	Elective	33	22	22	22	11	110	11
PE603	Disease Transmission Dynamics and Control	Core	0	39	15	39	27	120	12
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10
MI 611	Microbiology & Immunology	Core	30	5	10	5	20	70	7
Sub-Total			132	151	69	161	117	630	63

Semester 1 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PE 605	Field attachment	Core	34	102	34	102	68	340	34
PQ602	Implementing Social and Behaviour Change	Core	10	14	7	28	11	70	7
PE 699	Dissertation 1	Core	0	81	0	81	58	220	22
Sub-Total			44	197	41	211	137	630	63

Semester 2 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
EH603	Climate Change and Health	Core	24	16	16	16	8	85	8.5
PE 699	Dissertation 2	Core	0	199.5	0	199.5	146	545	54.5
Sub-Total			24	217.5	16	217.5	155	63	63

6.2.3.1.2 Examinations regulations for MSc (TDC) Degree Programme

- General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- The MSc TDC is a 4-semester programme and the maximum tenure for the MSc TDC degree shall be 6 semesters.
- External examiners or moderators shall be invited at the end of the semester or audit year.
- Registration of full-time students shall be once at the beginning of each semester.
- There shall be at least two Continuous Assessment Tests (CAT) for each module taught

and regular assessment of competencies, which will constitute the Formative Assessment (FA).

- (vi) The FA shall contribute 50% of the final grade in the end of module Summative Assessment (SA). Assessment of competencies will be done by use of appropriate tools.
- (vii) The FA and SA shall consist of written, practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively assessed as in (v) above.
- (viii) To pass a module or modular course a candidate has to attain a B grade or higher.
- (ix) Decision-making on failing students shall be determined at the end of the audit year.
- (x) A candidate who fails one or more modules or modular courses will be required to sit for supplementary examination in the failed modules provided that she/he attains an overall GPA of 2.4 or higher during the long vacation.
- (xi) Any candidate who has failed any number of modules in subjects and has a GPA of less than 2.4 shall be discontinued from the studies.
- (xii) Any candidate who has failed modules in three courses will be discontinued from the programme.
- (xiii) A candidate who fails the first supplementary examination shall be allowed to sit for a second supplementary examination when next offered, provided he/she attains a GPA of 2.4 or more
- (xiv) A candidate who passes a supplementary examination at any level shall be awarded a B grade
- (xv) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from the studies, except in special circumstances, if recommended by the School of Public Health and Social Sciences Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xvi) A candidate shall be awarded the degree of MSc (TDC) degree after passing all examinations in the prescribed courses in the MSc programme and submitting an error free dissertation
- (xvii) In addition to these regulations these General Regulations and Guidelines for postgraduate studies shall be binding.
- (xviii) Notwithstanding the regulations above, postgraduate students are bound by civil service regulations and shall have only one leave in each year during the long vacation.

6.2.3.1.3 The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

6.2.3.1.4 Regulations for the Dissertations for MSc (TDC) Degree Programme

- (i) The dissertation shall consist of one research topic as has been determined by the student and approved by the departments.
- (ii) A candidate shall not be allowed to submit dissertation work for examination without passing all the courses for Semesters one and two
- (iii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least THREE MONTHS before the beginning of semester 4 University Examination. A candidate who does not submit a dissertation at this period shall be barred from final examinations. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that period is not beyond the maximum tenure of the programme.
- (iv) Oral defense of the dissertation shall be done during the end of semester 4 University Examination.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.

6.2.4 Master of Science in Medical Parasitology and Entomology (MSc PE) Degree Programme - MHM116

The MSc PE degree course is a four-semester (two years) degree programme aimed at training specialist who will strengthen regional and district teams in the management, control of, and

research in parasitic diseases and their vectors. To this end the graduate will be expected to carry out basic and applied research, implement and evaluate public health interventions, train personnel and organize efficient parasite and vector control programmes.

6.2.4.1 Entry Requirements

Doctor of Medicine, Dental Surgery, Bachelor of Pharmacy, Medical Laboratory Sciences, Nursing, Veterinary Medicine, Environmental Health or Zoology and related field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

MSc in Medical Parasitology and Entomology Degree Programme courses

Semester 1 Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
FP600	Introduction to Public Health and One Health	Core	11	14	7.5	30	7.5	70	7.0
FP601	Principles of Epidemiology	Core	16	11	14	24	20	85	8.5
FP602	Biostatistics	Core	15	14	10.5	31	14.5	85	8.5
FP603	Health Management, Planning and Policy	Core	18	24.5	12.5	49	18	118	11.8
FP 604	Research Methods	Core	19	7	22.5	42	23.5	118	11.8
EE 600	Bioethics	Core	6	18	6	18	12	60	6
EH 606	Water, Sanitation, and Hygiene	Core	30	20	20	20	10	100	10
Sub-Total			115	108.5	93	214	105.5	636	63.6

Semester 2 Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PE600	Essentials of Parasitology and Medical Entomology	Core	9.5	28.5	9.5	28.5	19	95	9.5
PE601	Advanced Medical Parasitology	Elective	12.5	37.5	12.5	37.5	25	125	12.5
PE602	Advanced Medical Entomology	Elective	12	36	12	36	24	120	12

AE603	Statistical methods in Epidemiology	Elective	21	14	14	14	7	70	7
PQ605	Essentials of Monitoring and Evaluation of Public Health Programs	Elective	19.5	13	13	13	6.5	65	6.5
IS600	Principles of Implementation Science (EPI)	Elective	33	22	22	22	11	110	11
PE603	Disease Transmission Dynamics and Control	Core	0	39	15	39	27	120	12
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10
MI 611	Microbiology & Immunology	Core	30	5	10	5	20	70	7
Sub-Total			132	151	69	161	117	630	63

Semester 1 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
PE 605	Field attachment	Core	34	102	34	102	68	340	34
PQ602	Implementing Social and Behaviour Change	Core	10	14	7	28	11	70	7
PE 699	Dissertation 1	Core	0	81	0	81	58	220	22
Sub-Total			44	197	41	211	137	630	63

Semester 2 Year 2

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study/research (Hrs)	Practical (Hrs)	Total Hours	Credits
EH603	Climate Change and Health	Core	24	16	16	16	8	85	8.5
PE 699	Dissertation 2	Core	0	199.5	0	199.5	146	545	54.5
Sub-Total			24	217.5	16	217.5	155	63	63

6.2.4.1.1 Examination Regulations for MSc PE Degree Programme

- General University Examination regulations on registration, registration for examinations, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities,

procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.

- (ii) The Master Science in Parasitology and Entomology degree program is a 4-Semester Programme and the maximum tenure for the registration shall be 6 semesters.
- (iii) The maximum freezing period shall be 2 semesters.
- (iv) Registration of full-time students shall be once at the beginning of each semester.
- (v) There shall be at least two continuous assessment tests (CAT) and regular assessment of competencies for each module or modular course taught during each semester. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/ modular course examination the Summative Assessment (SA).
- (vi) FA shall contribute 50 % of the final grade in the end of module/modular course examinations.
- (vii) The FA and SA shall consist of written examinations and Practical Examinations (OSPE), Global (multisource) observation and rating, observation of procedures and rating by faculty, logbooks, portfolio, and others). The proportional contribution for written and practical/ competencies assessment will be 60 and 40% respectively for Basic Sciences and 40% and 60% in practical courses.
- (viii) A candidate will be considered to have passed a course after passing all modules of the respective course.
- (ix) Decision-making of the failing students shall be determined at the end of the audit year.
- (x) A candidate who fails in one or more courses, but whose GPA is 2.4 or higher shall be allowed to do supplementary examination(s) in the failed modules/modular courses during the long vacation.
- (xi) No candidate shall be allowed to sit for supplementary in more than three failed courses at any given time irrespective of GPA and shall be discontinued from studies.
- (xii) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from the studies, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded
- (xiii) A candidate who fails in any number of the subjects and has a GPA of less than 2.4 shall be discontinued from the programme.
- (xiv) A candidate who passed a supplementary examination at any level shall be awarded a “B” grade.

- (xv) No candidate shall be allowed to repeat a semester except in very exceptional circumstances on the recommendation of the School Board and approved by the senate
- (xvi) A student shall be awarded the Master of Science Parasitology and Entomology degree after passing all courses and successful defence of a dissertation.
- (xvii) In addition to these regulations, the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.
- (xviii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

6.2.4.1.2 The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 %	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

6.2.5.1.4 Dissertation regulations for the MSc MSc PE Degree Programme

- (i) The dissertation shall consist of one research topic as has been determined by the student and approved by the departments.
- (ii) A candidate shall not be allowed to submit dissertation work for examination without passing all the courses for Semesters one and two
- (iii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least THREE MONTHS before the beginning of semester 4 University Examination. A candidate who does not submit a dissertation at this period shall be barred from final examinations. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that period is not beyond the maximum tenure of the

programme.

- (iv) Oral defense of the dissertation shall be done during the end of semester 4 University Examination.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.

6.2.5 Master of Science Applied Epidemiology (MSc AE) Degree Programme - MHM110

This is a four-semester programme whose overall aim is to train and produce graduates with relevant competencies and skills in applied epidemiology, which will enable them to contribute towards strengthening of the public health system of Tanzania.

6.2.5.1 Entry Requirements

Bachelor degree in Medicine, Dentistry, Laboratory Sciences, Veterinary Sciences, Pharmacy, Environmental Health Sciences, Nursing, Statistics, Demography, Biology, Food Science, Public Health or other health-related fields from a recognized university with an average of “B” or a minimum GPA of 2.7. OR Postgraduate Diploma in any relevant field with an average of “B” or a minimum GPA of 3.0. PLUS 2-years health-related working experience. Applicants must also have attained a minimum of “B” grade in Epidemiology and/or Biostatistics/Applied Statistics.

MSc Applied Epidemiology Degree Programme courses

Semester 1 Year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP 600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Introduction to Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP 603	Health Management, Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8

FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
AE 601	Public Health Surveillance and Emergency Management	Core	35	20	20	20	10	105	10.5
AE 602	Epidemiology, Surveillance Systems, and Outbreak Investigation	Core	0	0	0	4	45	49	4.9
Sub- Total			177.8	115.2	115.2	119.2	102.6	630	63

Semester 2 Year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AE 603	Statistical Methods in Epidemiology	Core	21	14	14	14	7	70	7
AE 605	Economic Evaluation and Health Technology Assessment	Core	21	14	14	14	7	70	7
HE 600	Education Principles and Practice for the Health Sciences Professions	Core	30	20	20	20	10	100	10
AE 602	Field Attachment (Epidemiology, Surveillance Systems, and Outbreak Investigation)	Core	0	0	6.9	13.8	201	222	22.2
AE 699	Dissertation 1	Core	0	13.4	0	154.6	0	168	16.8
Sub-total			72	61.4	54.9	216.4	225	630	63

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Semester 1 Year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AE 604	Field Attachment (Field Epidemiology and Mentoring)	Core	0	0	17	17	296	330	33
AE 699	Dissertation 2	Core	0	15	0	0	285	300	30
Sub-Total			0	15	17	17	581	630	63

Semester 2 Year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PME 605	Monitoring and Evaluation for Public Health Programs	Core	42	28	28	28	14	140	14
AE 606	Field Attachment (Regional Activities, Mentoring, and Teaching)	Core	0	0	10	17	245	272	27.2
AE 699	Dissertation 3	Core	0	6	0	15	197	218	21.8
Sub- Total			42	34	38	60	456	630	63

Examination Regulations for the MSc in Applied Epidemiology Degree Programme

- (i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MSc Programme is a 4-semester programme and the maximum tenure for the MSc degree shall be 6 semesters.
- (iii) Registration for full time students shall be once at the beginning of each semester.
- (iv) All modules offered during a semester shall be examined at the end of the modules.
- (v) External examiners or moderators shall be invited at the end of semester or audit year.
- (vi) There shall be at least two Continuous Assessment Tests (CAT) for each module taught and regular assessment of competencies, which will constitute the Formative Assessment (FA). Assessment shall be carried out using appropriate tools.
- (vii) The FA shall contribute 50% of the final grade in the end of module/course/rotation Summative Assessment (SA).
- (viii) The FA and SA shall consist of written, practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively assessed as in (v) above.
- (ix) To pass a module, modular course or rotation a candidate has to attain a B grade or higher.
- (x) Decision-making on failing students shall be determined at the end of the audit year.
- (xi) A candidate who fails one or more courses shall be required to sit for supplementary examination in the failed modules provided that she/he attains an overall GPA of 2.4 or higher.
- (xii) Any candidate who failed any number of modules in subjects and has a GPA of less than 2.4 shall be discontinued from the studies.
- (xiii) Any candidate who has failed modules in three courses will be discontinued from the programme.
- (xiv) A candidate who passes a supplementary examination at any level shall be awarded a B grade
- (xv) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from the studies, except in special circumstances, if recommended by the SPHSS Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.

- (xvi) A candidate shall be awarded the degree of MSc in Applied Epidemiology Degree after passing all examinations in the prescribed courses in the programme and submitting an error free dissertation.
- (xvii) In addition to these Regulations the General Regulations and Guidelines for postgraduate studies shall be binding.
- (xviii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

The Grading system.

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60*%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Dissertation regulations for the MSc for the MSc in Applied Epidemiology Degree Programme

- (i) The dissertation shall consist of one research topic.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least THREE MONTHS before the beginning of semester 4 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for that final examination. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided maximum tenure for MSc degrees allows.
- (iii) Oral defence of the dissertation shall be done during the end of semester 4 University examinations.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.
- (v) A candidate shall be awarded the **MSc in Applied Epidemiology** degree after passing all examinations in the prescribed courses in the MSc Programme and submitting an error free dissertation.

Master of Science in Epidemiology and Laboratory Management (MSc Epid and Lab Management) Degree Programme - MHM115

This is a four-semester programme whose overall aim is to train and produce graduates with relevant competencies and skills in applied epidemiology and laboratory management, which will enable them to contribute towards strengthening of the public health system of Tanzania.

Entry requirements

Bachelor degree in Laboratory Sciences, Medical Sciences, Veterinary Sciences, Biological sciences, Microbiology, Parasitology and Entomology or related field with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0. PLUS** 2-years working experience.

MSc Epidemiology and Laboratory Management Degree Programme courses

Semester 1 Year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP 600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Introduction to Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP 603	Health Management, Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
AE 601	Public Health Surveillance and Emergency Management	Core	35	20	20	20	10	105	10.5
AE 602	Epidemiology, Surveillance Systems, and Outbreak Investigation	Core	0	0	0	4	45	49	4.9
Sub- Total			177.8	115.2	115.2	119.2	102.6	630	63

Semester 2 Year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
AE 603	Statistical Methods in Epidemiology	Core	21	14	14	14	7	70	7
LM 601	Fundamentals of Laboratory Methods	Core	21	14	14	14	7	70	7
HE 600	Education Principles and Practice for the Health Sciences Professions	Core	30	20	20	20	10	100	10
AE 602	Field Attachment (Epidemiology, Surveillance Systems, and Outbreak Investigation)	Core	0	0	6.9	13.8	201	222	22.2
AE 699	Dissertation 1	Core	0	13.4	0	154.6	0	168	16.8
Sub-total			72	61.4	54.9	216.4	225	630	63

Semester 1 Year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
LM 602	Laboratory Management	Core	21	14	14	14	7	70	7
LM 603	Field Attachment (Field Epidemiology and Mentoring)	Core	0	0	13	13	234	260	26
LM 699	Dissertation 2	Core	0	15	0	0	285	300	30
Sub-Total			21	29	27	27	526	630	63

Semester 2 Year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
LM 604	Field Attachment (Regional Activities, Mentoring, and Teaching)	Core	0	0	20	20	372	412	41.2
LM 699	Dissertation 3	Core	0	15	0	0	203	218	21.8
Sub-Total			0	15	20	20	575	630	63

Examination Regulations for the MSc Epidemiology and Laboratory Management Degree Programme

- a) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- b) The MSc Programme is a 4-semester programme and the maximum tenure for the MSc degree shall be 6 semesters.
- c) Registration for full time students shall be once at the beginning of each semester.
- d) All modules offered during a semester shall be examined at the end of the modules.
- e) External examiners or moderators shall be invited at the end of semester or audit year.
- f) There shall be at least two Continuous Assessment Tests (CAT) for each module taught and regular assessment of competencies, which will constitute the Formative Assessment (FA). Assessment shall be carried out using appropriate tools.
- g) The FA shall contribute 50% of the final grade in the end of module/course/rotation Summative Assessment (SA).
- h) The FA and SA shall consist of written, practical and oral components whose proportional contribution will be 40%, 50% and 10%, respectively assessed as in (v) above.
- j) To pass a module, modular course or rotation a candidate has to attain a B grade or higher.
- k) Decision-making on failing students shall be determined at the end of the audit year.
- m) A candidate who fails one or more courses shall be required to sit for supplementary examination in the failed modules provided that she/he attains an overall GPA of 2.4 or higher.
- n) Any candidate who failed any number of modules in subjects and has a GPA of less than 2.4 shall be discontinued from the studies.
- o) Any candidate who has failed modules in three courses will be discontinued from the programme.

- p) A candidate who passes a supplementary examination at any level shall be awarded a B grade
- q) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from the studies, except in special circumstances, if recommended by the SPHSS Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- r) A candidate shall be awarded the degree of MSc Epidemiology and Laboratory management degree after passing all examinations in the prescribed courses in the programme and submitting an error free dissertation.
- s) In addition to these Regulations the General Regulations and Guidelines for postgraduate studies shall be binding.
- t) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

The Grading system.

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60**%	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Dissertation regulations for MSc Epidemiology and Laboratory Management Degree Programme

- (i) The dissertation shall consist of one research topic.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least THREE

MONTHS before the beginning of semester 4 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for that final examination. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided maximum tenure for MSc degrees allows.

- (iii) Oral defence of the dissertation shall be done during the end of semester 4 University examinations.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.
- (v) A candidate shall be awarded the MSc Epid and Lab Management degree after passing all examinations in the prescribed courses in the MSc Programme and submitting an error free dissertation.

Master of Public Health (MPH) Regular Track Degree Programme - MHM54

The Master of Public Health aims at training MPH candidates to become public health specialists. The graduate will be a professional in public health matters in the Government, non-governmental as well as national and international organizations. To this end, the trainee will acquire knowledge and skills for managing public health programmes; planning, implementing, monitoring and evaluating public health programmes or interventions and design conduct public health research

Entry requirements

Bachelor degree in Anthropology, Health Statistics, Environmental Health Sciences, Medicine, Pharmacy, Dentistry, Nursing, Radiology, Laboratory Sciences, Midwifery, Sociology, Healthy Services Administration, Demography, Biology, Food Science, Epidemiology, Health Information Sciences or any relevant field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

MPH- Regular Track Degree Programme courses

Semester 1 Year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP 600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Principles of Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP 603	Health Management, Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
PQ 601	Fundamentals of Environmental and Occupational Health	Core	21.6	14.4	14.4	14.4	7.2	72	7.2
PQ 602	Implementing Social and Behaviour Change	Core	21	14	14	14	7	70	7
PQ 603	Special Public Health Issues	Core	48.6	32.4	32.4	32.4	16.2	162	16.2
PQ699	Dissertation	Core	2	24	10	48	36	120	12
Total			236	180	166	204	114	900	90
Semester 2-year 1									
PQ 604	Principles of Health Economics and Health Technology Assessment	Core	19.5	13	13	13	6.5	65	6.5
PQ 605	Monitoring and Evaluation for Public Health Programs	Core	19.5	13	13	13	6.5	65	6.5
BE 604	Research Ethics	Elective*	21	4	14	14	7	70	7
PQ 606	Advanced Qualitative Research Methods								
PQ 607	Scientific Writing and Effective Communication								
AE 603	Statistical Methods in Epidemiology								
EH 603	Climate Change and Health								
PQ699	Dissertation	Core	2	40	5	343	210	700	70
Total			62	180	45	383	230	900	90

*Student to choose 1 among the 5 elective courses

Examination regulations for the MPH Degree Programme

- i) General university examination regulations on registration, registration for examination, professional conduct, eligibility for examination, absence from examinations, conduct of examinations, examination irregularities, procedures for appeals, and preservation of scripts shall remain as stipulated in Chapter 1.
- ii) The MPH Programme is a two-semester made up of modular courses and the maximum tenure for the MPH programme shall be four semesters.
- iii) The maximum freezing period shall be 2 semesters.
- iv) Registration of students shall be once at the beginning of each semester.
- v) Candidates may choose to pursue an MPH degree or undergo training in selected module(s).
- vi) Candidates shall have to register for each module at least three weeks prior to beginning the module. Such registration shall be conducted at the Dean's Office, School of Public Health and Social Sciences.
- vii) The examinations shall be based on the modular courses only. Each module/course is independent of all other modular courses.
- viii) There shall be at least two formative assessments (FA) and an end of course/module summative assessment (SA) for each course/module.
- ix) The FA shall constitute 50% of the final grade while the SA shall constitute 50%. Assessment shall be carried out using appropriate tools including written examinations, assignments, presentations, quizzes, reports, and direct observation.
- x) A candidate who fails end of module examination, shall sit for a supplementary examination.
- xi) A candidate who fails supplementary examination twice shall be discontinued from the programme.
- xii) A candidate who passes a supplementary examination at any level shall be awarded a "B" grade.
- xiii) A candidate who fails four or more modules and/or has a GPA of less than 2.4 shall be discontinued from the program.
- xiv) A candidate shall not be allowed to repeat the programme.
- xv) A student shall be awarded the MPH degree after passing all modules and successful defense of dissertation.
- xvi) In addition to these regulations the General Regulations and Guidelines for Postgraduate Studies shall be binding.

- xvii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60*%	59-50%	49-40%	39-0%

*Pass mark

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Dissertation regulations

- (i) The dissertation shall consist of one research topic.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least three weeks before the defense of the dissertation in the second semester. A candidate who does not submit a dissertation at this period will be barred from sitting for that examination.
- (iii) Oral defense of the dissertation shall be done during the end of semester 2.
- (iv) Other dissertation regulations in Section 1.9.5 above as well as in General Regulations and Guidelines for Postgraduate Programmes shall apply.
- (v) A candidate shall be awarded the MPH degree after passing all examinations in the prescribed courses in the MPH Program and submitting an error free dissertation.

Master of Public Health (MPH) Executive Track Degree Programme - MHM55

The Master of Public Health Executive Track is equivalent to the current regular MPH programme. Like the regular programme, this track aims at training MPH candidates to become public health specialists. The graduate will be a professional in public health matters in the Government, non-governmental as well as national and international organizations. To this end, the trainee will acquire knowledge and skills for managing public health programmes; planning, implementing, monitoring and evaluating public health programmes or interventions and design and conduct public health research. Therefore, it is not a dilute version of the regular programme.

The Executive Track is composed of twelve (12) courses. It is completely modularized such that almost all modules are independent of each other. The programme will be conducted every working day from 5 p.m. to 9 p.m. Successful applicants for the MPH degree will be required to register for both the degree (MPH) and for each module. Applicants wishing to pursue a single module alone will be required to register for that module only.

The first academic year will consist of eight (8) modular courses and the second academic year will consist of four (4) modules. The dissertation (PQ 699) module is to be undertaken by students registered for MPH degree only.

Eligibility for Admission

Bachelor degree in Anthropology, Health Statistics, Environmental Health Sciences, Medicine, Pharmacy, Dentistry, Nursing, Radiology, Laboratory Sciences, Midwifery, Sociology, Healthy Services Administration, Demography, Biology, Food Science, Epidemiology, Health Information Sciences or any relevant field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

MPH Programme Executive Track Degree Programme course

Semester 1 - Year 1									
Course Code	Course Name	Core or Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP 600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Principles of Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP 603	Health Management, Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
Total			142.8	95.2	95.2	95.2	47.6	476	47.6
Semester 2 - Year 1									
Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ 601	Fundamentals of Environmental and Occupational Health	Core	21.6	14.4	14.4	14.4	7.2	72	7.2

PQ 602	Implementing Social and Behaviour Change	Core	21	14	14	14	7	70	7
PQ 603	Special Public Health Issues	Core	48.6	32.4	32.4	32.4	16.2	162	16.2
PQ 699	Dissertation	Core	2.4	8.6	2	102	21	136	13.6
Total			93.6	69.4	62.8	162.8	51.4	440	44
Semester 1 - Year 2									
Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ 604	Principles of Health Economics and Health Technology Assessment	Core	19.5	13	13	13	6.5	65	6.5
PQ605	Monitoring and Evaluation for Public Health Programs		19.5	13	13	13	6.5	65	6.5
BE 604	Research Ethics	Elective*	21	14	14	14	7	70	7
PQ 606	Advanced Qualitative Research Methods								
PQ 607	Scientific Writing and								

	Effective Communication								
AE 603	Statistical Methods in Epidemiology								
EH 603	Climate Change and Health								
PQ 699	Dissertation	Core	2.4	8.6	2	192	37	242	24.2
Total			62.4	48.6	42	232	57	442	44.2
Semester 2 - Year 2									
Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ 699	Dissertation	Core	2	40	5	195	200	442	44.2
Total			2	40	5	195	200	442	44.2

Examination Regulations for MPH Executive Track

- (i) General university examination regulations on registration, registration for examination, professional conduct, eligibility for examination, absence from examinations, conduct of examinations, examination irregularities, procedures for appeals, and preservation of scripts shall remain as stipulated in Chapter 1.
- (ii) The MPH (Executive Track) is a four-semester program and the maximum tenure for the degree shall be six semesters.
- (iii) The maximum freezing period shall be 2 semesters.
- (iv) Registration of students shall be once at the beginning of each semester.
- (v) Candidates may choose to pursue an MPH degree or undergo training in selected module(s).

- (vi) Candidates shall have to register for each module at least three weeks prior to beginning the module. Such registration shall be conducted at the Dean's Office, School of Public Health and Social Sciences.
- (vii) The examinations shall be based on the modular courses only. Each module/course is independent of all other modular courses.
- (viii) There shall be at least two formative assessments (FA) and an end of course/module summative assessment (SA) for each course/module.
- (ix) The FA shall constitute 50% of the final grade while the SA shall constitute 50%. Assessment shall be carried out using appropriate tools including written examinations, assignments, presentations, quizzes, reports, and direct observation.
- (x) A candidate who fails end of module examination, shall sit for a supplementary examination.
- (xi) A candidate who fails supplementary examination twice shall be discontinued from the programme.
- (xii) A candidate who passes a supplementary examination at any level shall be awarded a "B" grade.
- (xiii) A candidate who fails four or more modules and/or has a GPA of less than 2.4 shall be discontinued from the program.
- (xiv) A candidate shall not be allowed to repeat the programme.
- (xv) A student shall be awarded the MPH degree after passing all modules and successful defense of dissertation.
- (xvi) In addition to these regulations the General Regulations and Guidelines for Postgraduate Studies shall be binding.
- (xvii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60*%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations for Dissertation

- (i) A supervisor(s) will be assigned to guide the student towards a successful completion of dissertation research work.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean, School of Public Health and Social Sciences at least TWO MONTHS before end of the last semester.
- (iii) Oral defense of the dissertation shall be conducted during the end of the program.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.
- (v) General University Examination regulations on registration for examination, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in the General Regulations and Guidelines for Postgraduate Study Programmes.

Master of Public Health (MPH) Distance Learning Degree Programme [MHM56]

The Master of Public Health Distance Learning is equivalent to the current regular and Executive Track MPH programmes. Like the regular programme, this track aims at training MPH candidates to become public health specialists. The graduate will be a professional in public health matters in the Government, non-governmental as well as national and international organizations. To this end, the trainee will acquire knowledge and skills for managing public health programmes; planning, implementing, monitoring and evaluating public health programmes or interventions and design and conduct public health research. Therefore, it is not a dilute version of other MPH programmes.

The Distance Learning MPH programme is composed of twelve (12) courses. It is completely modularized such that almost all modules are independent of each other. Lectures are conducted through distance learning systems using well established e-Learning management System of Open University of Tanzania (OUT) and School of Public Health and Social Sciences at MUHAS. Successful applicants for the MPH degree will be required to register for both the degree (MPH) and for each module. Applicants wishing to pursue a single module alone will be required to register for that module only.

The first academic year will consist of seven (7) modular courses and the second academic year will consist of five (5) modules. The dissertation (PQ 699) module is to be undertaken by students registered for MPH degree only.

Eligibility for Admission

Bachelor degree in Anthropology, Health Statistics, Environmental Health Sciences, Medicine, Pharmacy, Dentistry, Nursing, Radiology, Laboratory Sciences, Midwifery, Sociology, Healthy Services Administration, Demography, Biology, Food Science, Epidemiology, Health Information Sciences or any relevant field with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in relevant field with an average of **“B”** or a minimum **GPA of 3.0**

MPH Distance Learning Degree Programme course

Semester 1 Year 1

Course Code	Course Name	Core or Elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP 600	Principles of Public Health and One Health	Core	14	14	21	14	7	70	7
FP 601	Principles of Epidemiology	Core	17	17	25.5	17	8.5	85	8.5
FP 602	Introduction to Biostatistics	Core	17	17	25.5	17	8.5	85	8.5

Semester 2, Year 1

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP 603	Health Management, Leadership and Policy	Core	23.6	23.6	35.4	23.6	11.8	118	11.8
FP 604	Research Methods	Core	23.6	23.6	35.4	23.6	11.8	118	11.8
PQ 601	Fundamentals of Environmental and Occupational Health	Core	14.4	14.4	21.6	14.4	7.2	72	7.2
PQ 602	Implementing Social and Behaviour Change	Core	14	14	21	14	7	70	7
Total			75.6	75.6	113.4	75.6	37.8	378	37.8

Semester 1, year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ 603	Special Public Health Issues	Core	32.4	32.4	48.6	32.4	16.2	162	16.2
PQ 604	Principles of Health Economics and Health Technology Assessment	Core	13	13	19.5	13	6.5	65	6.5
PQ 605	Monitoring and Evaluation for Public Health Programs	Core	13	13	19.5	13	6.5	65	6.5
BE 604	Research Ethics	Elective*	14	14	21	14	7	70	7
PQ 606	Advanced Qualitative Research Methods								
PQ 607	Scientific Writing and Effective Communication								

AE 603	Statistical Methods and Epidemiology								
EH 603	Climate Change and Health								
PQ 699	Dissertation	Core	4.4	8.8	0	17.6	13.2	44	4.4
Total			76.8	81.2	108.6	90	49.4	406	40.6

Semester 2 year 2

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ 699	Dissertation	Core	2.6	52	0	127.4	78	260	26
Total			2.6	52	0	127.4	78	260	26

Semester 1 year 3

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ 699	Dissertation	Core	2.58	51.6	0	126.42	77.4	258	25.8
Total			2.58	51.6	0	126.42	77.4	258	25.8

Semester 2 year 3

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PQ 699	Dissertation	Core	2.58	51.6	0	126.42	77.4	258	25.8
Total			2.58	51.6	0	126.42	77.4	258	25.8

Examination Regulations for MPH Distance Learning

- (i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MPH (Distance Learning) is a four-semester program and the maximum tenure for the degree shall be six semesters.
- (iii) The maximum freezing period shall be 2 semesters.
- (iv) Registration of full time students shall be once at the beginning of each semester.
- (v) Candidates may choose to pursue an MPH degree or undergo training in selected module(s).

- (vi) All candidates will have to register for each module at least three weeks prior to beginning the module. Such registration shall be conducted at the Dean's Office, School of Public Health and Social Sciences.
- (vii) There shall be at least one continuous assessment (CA) and regular assessment of competencies for each module/modular course taught during each module. Only one continuous assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course examination shall constitute the Summative Assessment (SA).
- (viii) The FA shall contribute 60% of the final grade in the end of module/modular course university examinations.
- (ix) The FA and CA shall consist of written (MCQs, short and long essays), oral examination, graded field reports, rated assignments, rated practicals, observation and rating by faculty, multisource rating, direct observation of procedures and rating, self-assessment and peer assessment.
- (x) A candidate who fails any number of modules and has a GPA of less than 2.4 shall be discontinued from the program
- (xi) A candidate shall be considered to have passed end of module examination, if they score at least a B-grade.
- (xii) A candidate who fails end of module examination, shall sit for a supplementary examination at the end of the course
- (xiii) A candidate who fails the second supplementary examination in semesters 1 - 4 shall be discontinued from the studies, except in special circumstances, if recommended by the SPHSS Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary in semester 5 and 6 shall be allowed to supplement the failed course/courses provided the maximum tenure of 12 semesters is not exceeded.
- (xiv) A candidate who passes a supplementary examination at any level shall be awarded a "B" grade.
- (xv) A student shall be awarded the MPH degree after passing all modules and successful defense of a dissertation.
- (xvi) The general Regulations and Guidelines of Postgraduate Study Programmes shall be binding.

(xvii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60*%	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations for Dissertation

- (i) A supervisor(s) will be assigned to guide the student towards a successful completion of dissertation research work.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean, School of Public Health and Social Sciences at least TWO MONTHS before end of the last semester.
- (iii) Oral defense of the dissertation shall be conducted during the end of the program.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.
- (v) General University Examination regulations on registration for examination, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in the General Regulations and Guidelines for Postgraduate Study Programmes.

Master of Public Health in Implementation Science (MPH-IS) Degree Programme - MHM142

The Master of Public Health in Implementation Science (MPH IS) aims at training health professionals who will become experts in methodological and substantive aspects of Implementation Science. The experts should be able to identify and develop solutions to bottlenecks and barriers in the health system, design implementation of specific evidence-informed intervention, communicate and engage with relevant stakeholders. They should also be able to manage a team in implementation operations.

Eligibility of admission

Doctor of Medicine, Dentistry, Laboratory Sciences, Veterinary Sciences, Pharmacy, Environmental Health Sciences, Nursing, Statistics, Epidemiology, Demography, Food Science, Social Science, Information and Communications Technology, Economics, Public Health or other health related fields with an average of **“B”** or a minimum **GPA of 2.7 OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0**.

MPH Implementataion Science Degree Programme course Semester 1 Year 1

Course Code	Course name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	TotalHrs	Credits
FP600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7.0
FP601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP602	Introduction to Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP603	Health Management , Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
PQ601	Fundamentals of Environmental and Occupational Health	Core	21.6	14.4	14.4	14.4	7.2	72	7.2
PQ602	Implementing Social and Behaviour Change	Core	21	14	14	14	7	70	7
Total			185.4	123.6	123.6	123.6	61.8	618	61.8

Semester 2 Year 1

Course Code	Course name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	TotalHrs	Credits
PQ603	Special Public Health Issues	Core	48.6	32.4	32.4	32.4	16.2	162	16.2
PME605	Essentials of Monitoring and Evaluation	Core	42	28	28	28	14	140	14
IS600	Principles of Implementation Science	Core	33	22	22	22	11	110	11
IS601	Advanced Quantitative Methods for Implementati	Core	30	20	20	20	10	100	10

PQ606	Advanced Qualitative Research Methods	Core	21	14	14	14	7	70	7
IS699.1	Dissertation	Core	0	6	0	44	0	50	5
Total			174.6	122.4	116.4	160.4	58.2	630	63.2

Semester 1 Year 2

Course Code	Course name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	TotalHrs	Credits
IS 699.2	Dissertation	Core	0	8	0	19	323	350	35
IS 604.1	Field attachment (Stakeholder analysis and Implementation Challenges)	Core	0	16	0	56	208	280	28
Total			0	24	0	75	531	630	63

Semester 2 Year 2

Course Code	Course name	Core or elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	TotalHrs	Credits
AE605	Economic Evaluation and Health Technology Assessment	Core	21	14	14	14	7	70	7
IS 699.3	Dissertation	Core	0	30	0	200	0	230	23
IS 604.2	Field attachment (Data)	Core	0	15	0	35	160	210	21
IS 605	Knowledge Translation	Core	36	24	24	24	12	120	12
Total			57	83	38	273	179	630	63

Examination Regulations for MPH Implementation Science

- (i) General University Examination regulations on registration, registration for examination, professional conduct, eligibility for examination, absence from examinations, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter 1.
- (ii) The MPH-IS Programme is a four (4) semester made up of modular courses and the maximum tenure for the MPH-IS programme shall be six (6) semesters.
- (iii) Registration of full-time students shall be once at the beginning of each semester.
- (iv) All modules or modular courses offered during a semester shall be examined at the end of the module or modular course. External examiners or moderators shall be invited at the end of the semester or audit year.
- (v) There shall be at least two Continuous Assessment Tests (CATs) and regular assessment of competencies, which shall constitute the Formative Assessment (FA) for each modular course. The end of module examination shall constitute the Summative Assessment (SA).
- (vi) The FA shall constitute 50% of the total score while the end of module examination shall constitute 50%. Assessment will be carried out using appropriate tools.
- (vii) To pass a course a candidate shall have to attain a B grade or higher.
- (viii) A candidate failing three or more courses shall be discontinued from the programme irrespective of GPA.
- (ix) A candidate shall not be allowed to sit for the first supplementary examination if the cumulative GPA is less than 2.4 and shall be discontinued.
- (x) A candidate who fails the second supplementary examination of semesters 1 - 2 for one or two year programmes, shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xi) A candidate who fails the second supplementary examination of semesters 2-4 for a two-year programme shall be allowed to supplement the failed courses/modules/modular courses after semester four, provided the maximum tenure of 6 semesters is not exceeded.
- (xii) A student who passes a supplementary examination at any level shall be

awarded a “B” grade.

- (xiii) A candidate shall not be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and approved by the Senate.
- (xiv) A candidate shall be awarded the MPH-IS degree after passing all examinations in the prescribed modules and modular courses in the relevant MPH-IS programme including submission of an error free dissertation and draft manuscript.
- (xv) For all post graduates programmes the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.
- (xvi) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Dissertation Regulations for MPH-IS programme

- (i) The dissertation shall consist of one research topic determined by the candidate and approved by the Department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least three weeks before the defense of the dissertation in the second semester. A candidate who does not submit a dissertation at this period will be barred from sitting for the examination.
- (iii) Oral defense of the dissertation shall be done during the end of semester 4.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.

- (v) A candidate shall be awarded the MPH degree after passing all examinations in the prescribed courses in the MPH Program and submitting an error free dissertation.

Master in Social and Behaviour Change (MSBC) Regular Track Degree Programme - MHM111

The Master in Social and Behaviour Change for Health Regular Track degree programme aims to create a carder of Public Health Specialists well versed in theory and practice of social and behaviour change. The graduate will be equipped to identify barriers to behaviour change and to design, implement and evaluate interventions that effectively address these obstacles. To this end, the trainee will acquire a comprehensive knowledge and understanding of social and behavioural theories and obtain practical skills necessary for tackling public health challenges for sustainable health improvements. 6.2.11Eligibility of admission

Bachelor degree in Anthropology, Health Statistics, Environmental Health Sciences, Medicine, Pharmacy, Dentistry, Nursing, Radiology, Laboratory Sciences, Midwifery, Sociology, Health Services Administration, Demography, Biology, Food Science, Epidemiology, Health Information Sciences or any relevant field with an average of “B” or a minimum GPA of 2.7 OR Postgraduate

Diploma in relevant field with an average of “B” or a minimum GPA of 3.0

MSBC- Regular Track Degree Programme courses
Semester 1 Year 1

Course Code	Course Name	Core or Elective	Lecture Hrs.	Tutorial /Seminar Hrs.	Assignment Hrs.	Independent study Hrs.	Practical Hrs.	Total Hrs.	Course Code
FP 600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP 603	Health Management , Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
BS 600	Theories and Models of Behaviour	Core	30	20	20	20	10	100	10.0

	Acquisition and Change								
BS 601	Principles of Behavioural Economics in Health	Core	16.2	10.8	10.8	10.8	5.4	54	5.4
Total			189	126	126	126	63	630	63

Semester 2, Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BS 602	Social and behavioural determinants of health	Core	36	24	24	24	12	120	12
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10
BS 603	Health Education	Core	30	20	20	20	10	100	10

	and Promotion								
BS 604	Community Mobilization and Participation	Core	33	22	22	22	11	110	11
BS 605	Social and Behaviour Change Project	Core	60	40	40	40	20	200	20
Sub-total			189	126	126	126	63	630	63

Semester 1, Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
				Seminar (Hrs)					
BS 606	Health communication Theory and practice	Core	33	22	22	22	11	110	11
PME 605	Essentials Of Project Implementation, Monitoring And Evaluation.	Core	42	28	28	28	14	140	14
BS 607	Social and Behaviour Change field attachment	Core	81	54	54	54	27	270	27
BS 608	Social and Behaviour Change Research Methods	Core	33	22	22	22	11	110	11

Sub-total			189	126	126	126	63	630	63
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Semester 2, Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BS 699	Dissertation	core	90	50	50	340	100	630	63

Examination Regulations for the MSBC Executive Degree Programme

- (i) General university Examination regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals, and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MSBC programme is a 4-semester programme, and the maximum tenure for the degree shall be 6 semesters.
- (iii) The maximum freezing period shall be 2 semesters.
- (iv) Registration of students shall be once at the beginning of each semester.
- (v) There shall be at least two Continuous Assessment Tests (CAT) and Regular Assessment of competencies for each module/modular course taught during each semester. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA), and the final end-of-module examination shall constitute the Summative Assessment (SA). Assessment shall be conducted using appropriate tools for each competency domain.
- (vi) The FA shall contribute 50% of the final grade at the end of the module university examinations.
- (vii) The FA and SA shall consist of written (MCQs, short and long essays) papers, oral examination, graded field reports, rated assignments, rated Practical, multisource rating, observation of procedures and rating, self-assessment and peer assessment, assessed as in (v) above.
- (viii) A candidate will be considered to have passed the programme/course after passing all modules.
- (ix) Decision-making of the failing students shall be determined at the end of the audit year.
- (x) No candidate shall be allowed to sit for supplementary in more than three failed courses at any given time, irrespective of GPA, and shall be discontinued from the programme.
- (xi) A candidate who fails in one or more modules, but whose GPA is 2.4 or higher, shall be allowed to do supplementary examination(s) in the failed modules during the long vacation.

- (xii) A candidate who fails any number of modules and has a GPA of less than 2.4 shall be discontinued from the program
- (xiii) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from the studies, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xiv) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xv) No candidate will be allowed to repeat a semester ~~except~~ in very exceptional circumstances, on the recommendation of the SPHSS Board and approved by the University Senate.
- (xvi) A student shall be awarded the MSBC degree after passing all modules in the courses and successful defense of a dissertation.
- (xvii) In addition to these regulations, the general Regulations and Guidelines for Postgraduate Study Programmes shall be binding.
- (xviii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

Grading System

The examination marks shall be graded as shown below:

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60*%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations on dissertation

- 6 The dissertation shall consist of one research topic.
- 7 Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences not less than three months before the dissertation defense.
- 8 The candidate will be required to submit loosely bound copies of the dissertation not less than three months before the examination when next offered, provided that the regulation on maximum tenure for MSBC degrees allows.
- 9 Oral defense of the dissertation shall be conducted at the end of the last module. Other dissertation regulations in Section 1.9.5 above shall apply.
- 10 A candidate shall be awarded the MSBC degree after passing all examinations in the prescribed courses in the Program and submitting an error-free dissertation

Master of Science in Environmental Health (MSc. EH) Degree Programme - MHM114

The MSc. programme in Environmental Health (MSc EH) was established to meet the needs for more specialized skills and expertise to deal with emerging and re-emerging environmental health challenges. The communicable and non-communicable diseases that are contributed mainly by factors in the environment are on increase. Some of diseases have remained to be persistent in the community for many years. Cholera, for example, which is among the preventable diseases remain to be a public health challenge despite many interventions to prevent and control it. This means different scientific approaches are required in order to control such a disease. Graduates of MSc EH will acquire competencies that will help them deal with factors in the

environment and find out solution including conducting research and laboratory analysis work to identify reservoirs and be to control such diseases.

Eligibility for admission

The programme admit candidates who holds a bachelor degree in Environmental Health Sciences, Medicine, Pharmacy, Dentistry, Nursing, Midwifery, Laboratory Sciences, Radiotherapy, Sociology, Occupational Therapy, Physiotherapy, Health Statistics, Healthy Services Administration, Demography, Biology, Food Science, Epidemiology, Engineering, Health Information Sciences or any relevant field with an average of “B” or a minimum GPA of 2.7 OR Postgraduate Diploma in environmental and occupational health related professions with an average of “B” or a minimum GPA of 3.0 and having field practical experience of at least two years from any recognized University. Admission to the programme will consider gender balance and inclusivity..

Master of Science in Environmental Health (MSc. EH) Degree Programme courses

Semester 1: Year 1									
Course Code	Course name	Core or Elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
FP 600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Principles of Biostatistics	Core	25.5	17	17	17	8.5	85	8.5

FP 603	Health Management, Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
PQ602	Implementing Social and Behaviour Change	Core	21	14	14	14	7	70	7
EH 600	Development and Philosophy of Environmental Health	Core	8	6	4	4	2	24	2.4
EE 600	Bioethics	Core	6	18	6	18	12	60	6
								630	63

Semester 2 year 1

Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
HE 600	Educational Principles and Practices for the Health Sciences Professionals	Core	30	20	20	20	10	100	10

PQ 605	Monitoring and Evaluation for Public Health Programmes	Core	19.5	13	13	13	6.5	65	6.5
EH 601	Immunization and communicable disease control	core	25.5	17	17	17	8.5	85	8.5
EH 602	Environmental and Health impact assessment	core	25.5	q17	17	17	8.5	70	7
EH 603	Climate Change and Health	Core	35	23	23	23	11	85	8.5
EH 604	Environmental Toxicology	Core	25	24	24	24	12	120	12
EH 605	Field attachment (Vaccination and disease control)	Core	0	10	20	10	86	105	10.5
Total			135	100	120	90	131	630	63

Semester 1 year 2

Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
EH 606	Water, Sanitation and Hygiene	Core	30	20	20	20	10	120	12
EH 607	Waste Management	Core	30	20	20	20	10	130	13
EH 608	Food Safety	Core	30	20	20	20	10	135	13.5
EH 699	Dissertation	Core	24	16	16	16	8	80	8
EH 609	Field attachment (Waste management)	Core	0	10	30	20	110	105	10.5
EH 610	Elective*	Elective	21	14	14	14	7	60	6
	Disaster Management and Health								
	Food Safety Control								

	Advanced Infection Prevention and Control								
	Principles of Occupational Health and Safety								
Total			135	100	120	90	175	630	63

Semester 2 year 2

Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
EH 699	Dissertation	Core	0	60	0	80	490	630	63

Examination Regulations for the MSc EH program

- (i) General University Regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for

appeals and preservation of scripts shall remain as stipulated in Chapter one.

- (ii) All modules or modular 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.
- (iii) There shall be at least two Continuous Assessment Tests (CAT) for each module.
- (iv) These shall form the Formative Assessment (FA).
- (v) The FA shall contribute 50% of the final grade in the end of module/ modular course/rotation. Summative Assessment (SA) shall contribute 50% of the final grade.
- (vi) To pass a course a candidate has to attain a B grade or higher.
- (vii) No candidate shall be allowed to sit for a supplementary examination in more than three failed courses at any given time irrespective of GPA and shall be discontinued from studies.
- (viii) A candidate who fails any number of modules/rotations and has a GPA of less than 2.4 shall be discontinued from studies.
- (ix) A candidate who fails the second supplementary examination in semesters 1-2 shall be discontinued from the course, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (x) A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xi) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xii) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School/Institute Board and approved by the Senate.
- (xiii) A student shall be awarded the **MSc EH** degree after passing all examinations in the prescribed modules and courses in the program and submitting an error free dissertation.

The Grading System

The examination marks shall be graded as shown below:

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60*0%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Dissertation Regulations for MScEH Degree Programme

- (i) The dissertation shall consist of one research topic that will be within the field of Environmental Health. The topic will be determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences not less than three months before dissertation defense. A candidate who fails to submit a dissertation at this period without approval will be barred from defending the dissertation.
- (iii) The candidate who failed to submit (as per section b above) will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for

MSc EH degrees allows.

- (iv) Oral defense of the dissertation shall be conducted during the end of semester 4.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.
- (vi) A candidate shall be awarded the MSc EH degree after passing all examinations in the prescribed courses in the Program and submitting an error free dissertation.
- (vii) Candidates who, for valid reasons, fail to complete their dissertation within the specified period may apply for an extension of registration period. The maximum duration of the registration period (including extension) should not exceed six (6) semesters.

Master of Science in Digital Health (MSc-DH) programme - MHM133

Master of Science in Digital Health (MSc-DH) Degree Programme

Master of Science in Digital Health is designed to equip students with fundamental digital health knowledge and skills which are critical in health and other related sectors. The MSc DH program aims to produce graduates with specialized knowledge in three key areas: the development and assessment of digital health interventions, the deployment and adoption of digital health solutions, and expertise in health data analytics. The graduates from this program will be expected to play leading roles as planners and health data analysts of digital health at the health facility level, district, regional, program, scheme, organization and national health system positions.

Eligibility

Doctor of Medicine, Biomedical Engineering, Dentistry, Bachelor of Pharmacy, Nursing, Radiology, Laboratory Sciences, Midwifery, Environmental Health, Sociology, Anthropology, Health Statistics, Demography, Food Sciences, Veterinary

Sciences, Nutrition, Information Sciences, Information Technology, Informatics, Computer Sciences, Business Studies, Health Service Administration with an average of “B” or a **minimum GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “B” or a **minimum GPA of 3.0.**

MSc – DH programme courses

Course Code	Course name	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
FP 600	Principles of Public Health, and One Health	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	25.5	17	17	17	8.5	85	8.5
FP 602	Biostatistics	25.5	17	17	17	8.5	85	8.5
FP 603	Health Management, Leadership and Policy	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	35.4	23.6	23.6	23.6	11.8	118	11.8
DH 600	Essentials of Software Engineering in Health	15.4	30.8	30.8	30.8	46.2	154	15.4
Total		158.2	126	126	126	93.8	630	63

Code	Name of the Programme	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DH 601	Digital Health and Data Science	17.5	35	35	35	52.5	175	17.5
DH 602	Artificial Intelligence-Based Innovation in Health	12.7	25.4	25.4	25.4	38.1	127	12.7
DH 603	Security Issues in Digital Health	14	28	28	28	42	140	14
DH 604	Legal and Ethical Issues in Digital Health	21	14	14	14	7	70	7
DH 605	Emerging digital technologies and their health and data analytics	11.8	23.6	23.6	23.6	35.4	118	11.8
Total		77	126	126	126	175	630	63

Code	Name of the Programme	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
PME 605	Essentials of Monitoring and Evaluation	42	28	28	28	14	140	14
HP 602	Principles of Health Entrepreneurship	7.7	15.4	15.4	15.4	23.1	77	7.7
DH 606	Digital Health Applications Development and Assessment	14.3	28.6	28.6	28.6	42.9	143	14.3
DH 607	Digital Health Interventions Deployment and Adoption							
DH 608	Health Data analytics							
DH 609	Digital health systems and technologies: Attachment	4	2	24	30	144	184	18.4
DH 699.1	Dissertation	25	30	15	90	15	85	8.5
Total		93	126	126	126	156	630	63

Course Code	Course Name	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
DH 699	Dissertation	6	2	2	618	2	630	63
Total		6	2	2	618	2	630	63

Examination Regulations for MSc-HD Degree programme

- (i) General University Examination regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MSc-DH blended course is a 4-semester programme and the maximum tenure for the degree shall be 6 semesters.
- (iii) The maximum freezing period shall be 2 semesters.
- (iv) Registration of students shall be once at the beginning of each semester.
- (v) There shall be at least two Continuous Assessment Tests (CAT) and Regular Assessment of competencies for each module/modular course taught during each semester. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA) and the final end of module/modular course or rotation examination the Summative Assessment (SA). Assessment shall be conducted using appropriate tools for each competency domain.
- (vi) The FA shall contribute 50% of the final grade in the end of module/
modular course/ r o t a t i o n university examinations.
- (vii) The FA and SA shall consist of written (MCQs, short and long essays) papers, oral examination, graded field reports, rated assignments, rated Practicals, multisource rating, observation of procedures and rating, self-

assessment and peer assessment, assessed as in (v) above.

- (viii) A candidate will be considered to have passed the programme/course after passing all modules.
- (ix) Decision-making of the failing students shall be determined at the end of the audit year.
- (x) A candidate who fails in one or more modules, but whose GPA is 2.4 or higher shall be allowed to do supplementary examination(s) in the failed modules during the long vacation.
- (xi) A candidate who fails any number of modules and has a GPA of less than 2.4 shall be discontinued from the program
- (xii) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from the studies, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xiii) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xiv) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the SPHSS Board and approved by the University Senate
- (xv) A student shall be awarded the MSc-DH degree after passing all modules in the courses and successful defense of a dissertation.
- (xvi) In addition to these regulations, the general Regulations and Guidelines for Postgraduate Study Programmes shall be binding.
- (xvii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

Grading System

The examination marks shall be graded as shown below:-

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60**%	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations for Dissertation

- (i) The dissertation shall consist of one research topic that will be within the field of Health Information Management. The topic will be determined by the candidate and approved by the school.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences not less than three months before dissertation defense. A candidate who fails to submit a dissertation at this period without approval will be barred from defending the dissertation.
- (iii) The candidate who fails to submit (as per section b above) will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MSc-DH degree allows.
- (iv) Oral defense of the dissertation shall be conducted during the end of semester 4.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.
- (vi) Candidates who, for valid reasons, fail to complete their dissertation within the specified period may apply for an extension of registration period. The maximum duration of the registration period (including extension) should not exceed six (6) S e m e s t e r s .

MSc Project Management, Monitoring and Evaluation in Health (MSc PMMEH) Programme – MHM119

This is a four semester (2 year) programme intended to train professionals with skills in managing as well as evaluating health related projects. Henceforth, the programme will contribute to change in practice of project managers and other practitioners in the health sector.

Eligibility for Admission

Bachelor degree in Anthropology, Health Statistics, Environmental Health Sciences, Demography, Economics, Biology, Food Science, Epidemiology, Health Information Sciences, Community Development, Sociology, Public Administration or related field with an average of **“B”** or a minimum **GPA of**

2.7. OR Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0.**

Courses in MSc PMMEH

Semester 1 year 1

Course Code	Course Name	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
FP 600	Principles of Public Health, and One Health	11	14	7.5	30	7.5	70	7
FP 601	Principles of Epidemiology	16	11	14	24	20	85	8.5
FP 602	Biostatistics	15	14	10.5	31	14.5	85	8.5
FP 603	Health Management, Planning and Policy	18	24.5	12.5	49	18	118	11.8
FP 606	Research Methods	35.4	23.6	23.6	11.8	23.6	118	11.8
PME 601	Project Management Knowledge Areas	27	15	12	74	12	140	14
Total		103	82.5	82	237.5	129	630	63

Semester 2 year 1

Course Code	Course Name	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
PME 602	Principles of Project Management in	24	12	15	84	23	154	15.4
PME 603	Digital Health and Data Science	18	11	15	60	26	130	13
PME 604	Strategic Project Planning and Organization	18	8	10	50	14	100	10
PME 605	Essentials of Monitoring and Evaluation	24	15	11	70	20	140	14
PME 606	Designing and Implementing	27	12	12	84	15	150	15
Total		102	66	56	324	82	630	63

Semester 1 year 2

Course Code	Course Name	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total	Credits
PME 607	Health Technology Assessment and Economic Evaluation	16	8	6	45	25	100	10
PME 608	Implementation Science and Knowledge Translation	15	17	8	70	10	120	12
PME 609	Internship	4	2	24	30	144	184	18.4
PME 699.1	Dissertation (Proposal Development)	4	2	2	82	36	120	12
	PQ 610: Advanced Qualitative Research Methods	21	15	15	15	10	76	7.6
	PME 611: Qualitative Evaluation Methods							
	PME 612: Writing and							
Total		50	30	40	225	209	630	63

Semester 2, year 2

Course Code	Course Name	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
PME 612	Dissertation	6	2	2	618	2	630	63

Examination Regulations for MSc. Project Management, Monitoring and Evaluation in Health (MSc PMMEH)

- (i) General University Examination regulations on registration, registration for examination, professional conduct, eligibility for examination, absence from examinations, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter 1.
- (ii) The MSc PMMEH Programme is a four (4) semester made up of modular courses and the maximum tenure for the MSc PMMEH programme shall be six (6) semesters.
- (iii) Registration of students shall be once at the beginning of each semester.
- (iv) All modules or modular courses offered during a semester shall be examined at the end of the module or modular course. External examiners or moderators shall be invited at the end of the semester or audit year.

- (v) There shall be at least two Continuous Assessment Tests (CATs) and regular assessment of competencies, which shall constitute the Formative Assessment (FA) for each modular course. The end of module examination shall constitute the Summative Assessment (SA).
- (vi) The FA shall contribute 50% of the final grade in the end of module/modular course/rotation university examinations.
- (vii) To pass a course a candidate shall have to attain a B grade or higher.
- (viii) Decision-making on failing students in MSc PMMEH courses shall be determined at the end of the audit year.
- (ix) A candidate failing three or more courses shall be discontinued from the programme irrespective of GPA.
- (x) A candidate shall not be allowed to sit for the first supplementary examination if the cumulative GPA is less than 2.4 and shall be discontinued.
- (xi) A candidate who fails the second supplementary examination of semesters 1 - 2 for one or two year programmes, shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xii) A candidate who fails the second supplementary examination of semesters 2-4 for a two-year programme shall be allowed to supplement the failed courses/modules/modular courses after semester four, provided the maximum tenure of 6 semesters is not exceeded.
- (xiii) A student who passes a supplementary examination at any level shall be awarded a "B" grade.
- (xiv) A candidate shall not be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and approved by the Senate.
- (xv) A candidate shall be awarded the MSc PMMEH degree after passing all examinations in the prescribed modules and modular courses in the relevant MSc PMMEH programme including submission of an error free dissertation and draft manuscript.
- (xvi) For all postgraduate programmes the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.
- (xvii) Notwithstanding these regulations, postgraduate students are governed by

civil service regulations and shall have only one leave in a year during the long vacation

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60**%	59-50%	49-40%	39-0%

****Pass mark***

Where; A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Dissertation Regulations for MSc. Project Management, Monitoring and Evaluation in Health (MSc PMMEH)

- (i) The dissertation shall consist of one research topic determined by the candidate and approved by the Department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least three months before the defense of the dissertation in the second semester of the final year. A candidate who does not submit a dissertation at this period will be barred from sitting for the examination.
- (iii) Oral defense of the dissertation shall be done during the end of semester 4.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.
- (v) A candidate shall be awarded the MSc PMMEH degree after passing all examinations in the prescribed courses in the MSc PMMEH Program and submitting an error free dissertation.

Master of Science in Health Economics and Policy (MSc. HEP) Programme – MHM131

Master of Science in Health Economics and Policy is designed to equip students with fundamental health economics and policy knowledge and skills are to become highly skilled health economists who have frontier level understanding in theoretical foundations and practical training capable of applying health economic methods in decision-making and policy development for health and health care. The experts are expected to play leading roles as planners and managers in health economics and policy at different levels within health system.

Eligibility for admission

Doctor of Medicine, Dental Surgery, Bachelor of Pharmacy, Bachelor of Science in Nursing, Midwifery, Environmental Health Science, Medical Laboratory Sciences, BMLS Haematology and Blood Transfusion, BMLS Parasitology and Medical Entomology, BMLS Clinical Chemistry, BMLS Histotechnology, Bachelor of Science Radiation Therapy Technology, Bachelor of Biomedical Engineering. Bachelor degree or Advanced Diploma in Economics, Statistics, Actuarial Sciences, Food Sciences or Veterinary Sciences, Epidemiology with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0.**

Master of Science in Health Economics and Policy courses

Normal learning Matrix & Course Matrix

Semester 1 Year 2

Course Code	Course Name	Core or Elective	Lecture Hrs.	Tutorial /Seminar Hrs.	Assignment Hrs.	Independent study Hrs.	Practical Hrs.	Total Hrs.	Credits
FP 600	Principles of public health and one health	Core	21	14	14	14	7	70	7
FP 601	Principles of epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP 603	Health management, leadership and policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8

FP 604	Research methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
HE 601	Introduction to Economics	Core	55.5	37	37	37	18.5	185	15.4
Total			198.3	132.2	132.2	132.2	63	630	63

Semester 2 Year 1

Course Code	Course Name	Core or Elective	Lecture Hrs.	Tutorial /Seminar Hrs.	Assignment Hrs.	Independent study Hrs.	Practical Hrs.	Total Hrs.	Credits
HE 602	Introduction to health Economics	Core	30	26	26	26	12	120	12
HE 603	Healthcare financing	Core	36	24	24	24	12	120	12
HE 604	Applied economic evaluation in health care	Core	32.4	28.2	28.2	28.2	13	130	13
HE 605	Equity Impact Analysis	Core	39	26	26	26	13	130	13
HE 606	Health Technology Assessment	Core	39	26	26	26	13	130	13
Total			176.4	130.2	130.2	130.2	63	630	63

Semester 1 Year 2

Course Code	Course name	Core or Elective	Lecture Hrs.	Tutorial /Seminar Hrs.	Assignment Hrs.	Independent study Hrs.	Practical Hrs.	Total Hrs.	Credits
HP 604	Advanced Health Policy Analysis	Core	39	26	26	26	13	130	13
PME 605	Essentials of Monitoring and Evaluation	Core	39	26	26	26	23	140	14
HE 699.1	Dissertation	Core	170.7	113.8	113.8	113.8	36	360	36
Total			212.7	141.8	141.8	141.8	63	630	63

Semester 2 Year 2

Course Code	Course name	Core or Elective	Lecture Hrs.	Tutorial /Seminar Hrs.	Assignment Hrs.	Independent study Hrs.	Practical Hrs.	Total Hrs.	Credits
Semester 2 Year 2									
HE 699.2	Dissertation	Core	0	5	70	500	10	630	63
Total			0	5	70	500	5	630	63

Examination Regulations for MSc. Health Economics and Policy (MSc. HEP)

- (xviii) General University Examination regulations on registration, registration for examination, professional conduct, eligibility for examination, absence from examinations, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter 1.
- (xix) The MSc. HEP Programme is a four (4) semester made up of modular courses and the maximum tenure for the MSc. HEP programme shall be six (6) semesters.
- (xx) Registration of students shall be once at the beginning of each semester.
- (xxi) All modules or modular courses offered during a semester shall be examined at the end of the module or modular course. External examiners or moderators shall be invited at the end of the semester or audit year.
- (xxii) There shall be at least two Continuous Assessment Tests (CATs) and regular assessment of competencies, which shall constitute the Formative Assessment (FA) for each modular course. The end of module examination shall constitute the Summative Assessment (SA).
- (xxiii) The FA shall contribute 50% of the final grade in the end of module/modular course/ rotation university examinations.
- (xxiv) To pass a course a candidate shall have to attain a B grade or higher.
- (xxv) Decision-making on failing students in MSc. HEP courses shall be determined at the end of the audit year.
- (xxvi) A candidate failing three or more courses shall be discontinued from the programme irrespective of GPA.
- (xxvii) A candidate shall not be allowed to sit for the first supplementary

examination if the cumulative GPA is less than 2.4 and shall be discontinued.

- (xxviii) A candidate who fails the second supplementary examination of semesters 1 - 2 for one or two year programmes, shall be discontinued from the programme, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xxix) A candidate who fails the second supplementary examination of semesters 2-4 for a two-year programme shall be allowed to supplement the failed courses/modules/modular courses after semester four, provided the maximum tenure of 6 semesters is not exceeded.
- (xxx) A student who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xxxi) A candidate shall not be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School Board and approved by the Senate.
- (xxxii) A candidate shall be awarded the MSc. HEP degree after passing all examinations in the prescribed modules and modular courses in the relevant MSc. HEP programme including submission of an error free dissertation and draft manuscript.
- (xxxiii) For all postgraduate programmes the General Regulations and Guidelines of Postgraduate Study Programmes shall be binding.
- (xxxiv) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60**%	59-50%	49-40%	39-0%

**Pass mark*

Where; A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Dissertation Regulations for MSc. Health Economics and Policy (MSc. HEP)

- (vi) The dissertation shall consist of one research topic determined by the candidate and approved by the Department.
- (vii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences at least three months before the defense of the dissertation in the second semester of the final year. A candidate who does not submit a dissertation at this period will be barred from sitting for the examination.
- (viii) Oral defense of the dissertation shall be done during the end of semester 4.
- (ix) Other dissertation regulations in Section 1.9.5 above shall apply.
- (x) A candidate shall be awarded the MSc. HEP degree after passing all examinations in the prescribed courses in the MSc. HEP Program and submitting an error free dissertation.

Master of Bioethics (MBE) Degree Programme - MHM53

The MBE program provides students the foundational knowledge, skills and experience necessary to develop core competencies in bioethics. The program prepares students who enter the program with an existing professional degree for future careers involving bioethics research and teaching. It offers training in empirical, normative and clinical aspects of bioethics, with opportunities for more in-depth focus through placement and dissertation course work. Bioethics, interdisciplinary in nature, examines the ethical issues that arise in the biosciences. It draws from areas such as public health, medicine, nursing, philosophy, theology and law. The MBE program strives to reflect this interdisciplinary makeup, making it an exemplary model of post-professional education.

Eligibility for admission

Candidates seeking admission into the Master of Bioethics degree of Muhimbili University of Health and Allied Sciences shall hold the following qualifications:

- i) Holder of a bachelor degree in health that includes medical doctors, nurses, pharmacists, laboratory scientists, and any health-related fields of study that include but not limited to anthropology, philosophy, health statistics, environmental health sciences, demography, biology, food science, epidemiology, health information sciences and Law with a GPA of at least 2.7 or at least a GPA of 4.0 at postgraduate diploma.
- ii) For unclassified bachelor degree, a candidate must have a B average in the subject of specialization.
- iii) Candidates with BA Business administration or BA public Administration who have worked with communities in health-related activities at district level will also be considered.
- iv) Bachelor degree in any related field with an average of “**B**” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “**B**” or a minimum **GPA of 3.0.**

MBE Degree program courses

Semester 1 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
FP 600	Introduction: framing of bioethics	Core	11	14	7.5	30	7.5	70	7.0
FP 601	Philosophy of bioethics	Core	16	11	14	24	20	85	8.5
FP 602	Critical Thinking and Argumentation	Core	15	14	10.5	31	14.5	85	8.5
FP 603	Health management, leadership and ethics	Core	18	24.5	12.5	49	18	118	11.8
FP 604	Research Methods	Core	19	7	22.5	42	23.5	118	11.8
BE 600	Global Bioethics		45	30	30	30	15	150	15.0
Total			160	124.5	121	230	110.5	630	63.0

Semester 2 Year 1

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BE 601	Philosophy of Bioethics and	Core	90	60	60	60	30	300	30.0
BE 602	Research ethics and	Core	54	36	36	36	17	170	17.0
BE 603	Clinical Bioethics and ethical rationing of scarce	Core	51	34	34	34	16	160	16.0
Total			225	150	150	150	75	630	63.0

Semester 1 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BE 604	Human right ethics	Core	45	30	30	30	15	150	15.0
BE 605	Digital health	Core	24	16	16	16	8	80	8.0
BE 606	Bioethics attachment	Core	10	10	10	170	200	300	30.0
BE699	Dissertation	Core	10	10	10	30	50	100	10.0
Total			89	66	66	246	273	630	63.0

Semester 2 Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BE 699	Dissertation	Core	25	25	50	150	500	630	63.0
Total			25	25	50	150	500	630	63.0

Examination Regulations for the MBE program

- (i) General University Regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) All modules or modular 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.

- (iii) There shall be at least two Continuous Assessment Tests (CAT) for each module.
- (iv) These shall form the Formative Assessment (FA).
- (v) The FA shall contribute 50% of the final grade in the end of module/modular course/rotation. Summative Assessment (SA) shall contribute 50% of the final grade.
- (vi) To pass a course a candidate has to attain a B grade or higher.
- (vii) No candidate shall be allowed to sit for a supplementary examination in more than three failed courses at any given time irrespective of GPA and shall be discontinued from studies.
- (viii) A candidate who fails any number of modules/rotations and has a GPA of less than 2.4 shall be discontinued from studies.
- (ix) A candidate who fails the second supplementary examination in semesters 1-2 shall be discontinued from the course, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (x) A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xi) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xii) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School/Institute Board and approved by the Senate.
- (xiii) A student shall be awarded the MBE degree after passing all examinations in the prescribed modules and courses in the program and submitting an error free dissertation.

Grading System

The examination marks shall be graded as shown below:

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60*%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations for Dissertation

- (i) The dissertation shall consist of one research topic that will be within the field of bioethics. The topic will be determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences not less than three months before dissertation defense. A candidate who fails to submit a dissertation at this period without approval will be barred from defending the dissertation.
- (iii) The candidate who failed to submit (as per section b above) will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MBE degrees allows.
- (iv) Oral defense of the dissertation shall be conducted during the end of semester 4.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.
- (vi) A candidate shall be awarded the MBE degree after passing all examinations in the prescribed courses in the Program and submitting an error free dissertation.
- (vii) Candidates who, for valid reasons, fail to complete their dissertation within the specified period may apply for an extension of registration period. The maximum duration of the registration period (including extension) should not exceed six (6) semesters.

Master of Science Nutritional Epidemiology (MSc NE) Degree Programme – MHM155

The overall objective of the MSc Nutritional Epidemiology is to enable students and graduates thereafter to investigate relationships between diets, intermediary factors, and health. At the end of the program, the graduates will be able to: demonstrate knowledge on science behind the associations between diets, feeding practices, and lifestyles with health outcomes; distinguish between various methods of measuring and estimating nutrition outcomes. They will have skills to: Measure nutrition indicators and determinants thereof; Design different nutrition interventions and strategies to promote uptake of evidence-based nutrition interventions; and foster attitude of life-long learning.

Eligibility for admission

The following shall be eligible to enroll for the degree:

- (i) Graduates with bachelor degrees from any recognized University in the fields of Nutrition Sciences, Medicine, Dentistry, Laboratory Sciences, Veterinary and Agricultural Sciences, Pharmacy, Environmental Health Sciences, Nursing, or any other relevant health related fields with prior nutrition training.
- (ii) Graduates with bachelor degrees in other fields of study such as statistics, epidemiology, demography, food science, dietetics, social science, and public health may also apply provided they are graduates from recognized Universities.
- (iii) Applicants must have scored at least a GPA of 2.7 in their undergraduate degree course, and B grade at a subject specific to Nutrition Epidemiology.
- (iv) Applicants with Post Graduate Diploma with GPA of 3.0 in addition to undergraduate degree
- (v) Bachelor degree in any related field with an average of “B” or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of “B” or a minimum **GPA of 3.0.**

MSc Nutritional Epidemiology Degree program courses

Semester 1 Year 1

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NE600	Introduction Nutritional	Core	20	10	5	10	5	50	5.0
FP601	Principles of Epidemiology	Core	16	11	14	24	20	85	8.5
FP602	Biostatistics	Core	15	14	10.5	31	14.5	88	8.8
FP603	Health Management, Planning and Policy	Core	18	24	12	48	18	120	12
NE601	Fundamentals of Food	Core	12	10	20	17	6	65	6.5
NE602	Nutritional Assessment	Core	20	20	5	5	10	60	6
FP606	Research Methods	Core	19	7	22.5	42	24.5	115	11.5
FP607	Immunology and Behaviour	Core	10	14	7	28	11	70	7

EE600	Bioethics	Core	68	5	10	15	2	100	10
Total			130	1205	120	265	119	750	75

Semester 2 Year 1

Course code	Course Name	Core/ elective	Lecture rns)	Tutorial/ Seminar rns)	Assignment rns)	Independent study llnl	Practical rnr ll	Total rnn)	Credtl
NE603	Nutrition and Maior Global Issues	Core	20	10	10	10	10	60	6
NE604	Food and nutrition security	Core	20	10	10	10	10	60	6
NE605	Food andNutrition Safety	Core	15	10	10	10	5	50	5
PME609	Principles of Designing and Implementing Monitoring and Evaluation of Health	Core	15	17	8	70	10	120	12
NE606	Nutritional Epidemiology Research Method	Core	70	20	30	70	40	230	23
NE699.1	Dissertation	Core	0	0	20	30	80	130	13
HE600	Educational Principles and Practices for Health Sciences Professionals	Core	68	5	10	15	2	100	10
Total			148	75	97	283	147	750	75

Semester 1 Year 2

Course code	Course Name	Core/ elective	Lecture ffirs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent study ffirs)	Practical <Hrs)	Total <Hn)	Credits
NE699.2	Dissertation	Core	0	0	40	50	310	400	40
NE606	Field attachment	Core	0	20	0	70	260	350	35
Total			0	20	40	90	440	750	75

Semester 4 Year 2

Course code	Course Name	Core/ elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent studv (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
NE699.3	Dissertation	Core	0	20	0	360	120	500	50
NE606	Field attachment	Core	0	20	0	30	200	250	25
Tow			0	40	0	490	200	750	75
Total for Two Years								3000	300

Examination Regulations for the MSc NE program

- (xiv) General University Regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (xv) All modules or modular 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.
- (xvi) There shall be at least two Continuous Assessment Tests (CAT) for each module.
- (xvii) These shall form the Formative Assessment (FA).
- (xviii) The FA shall contribute 60% of the final grade in the end of module/ modular course/rotation. Summative Assessment (SA) shall contribute 40% of the final grade.
- (xix) To pass a course a candidate has to attain a B grade or higher.
- (xx) No candidate shall be allowed to sit for a supplementary examination in more than three failed courses at any given time irrespective of GPA and shall be discontinued from studies.
- (xxi) A candidate who fails any number of modules/rotations and has a GPA of less than 2.4 shall be discontinued from studies.
- (xxii) A candidate who fails the second supplementary examination in semesters 1-2 shall be discontinued from the course, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
- (xxiii) A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.

- (xxiv) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xxv) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School/Institute Board and approved by the Senate.
- (xxvi) A student shall be awarded the MBE degree after passing all examinations in the prescribed modules and courses in the program and submitting an error free dissertation.

Grading System

The examination marks shall be graded as shown below:

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations for Dissertation

- (i) The dissertation shall consist of one research topic that will be within the field of bioethics. The topic will be determined

by the candidate and approved by the department.

- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences not less than three months before dissertation defense. A candidate who fails to submit a dissertation at this period without approval will be barred from defending the dissertation.
- (iii) The candidate who failed to submit (as per section b above) will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MBE degrees allows.
- (iv) Oral defense of the dissertation shall be conducted during the end of semester 4.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.
- (vi) A candidate shall be awarded the MBE degree after passing all examinations in the prescribed courses in the Program and submitting an error free dissertation.
- (xi) Candidates who, for valid reasons, fail to complete their dissertation within the specified period may apply for an extension of registration period. The maximum duration of the registration period (including extension) should not exceed six (6) semesters.

Master of Science in Occupational Health and Safety (MSc OHS) Degree Programme - MHM114

This is a four semester (2 year) programme intended to train and equip professional with knowledge and skills for protecting the workforce through improved health and well-being at workplaces in both public and private sectors. Occupational health, as a discipline and speciality particularly aim to promote the health and well-being of workers through well-designed interventions to prevent work-related accidents and diseases adding to a healthy work environment that contribute positively to increased

productivity, job satisfaction, reduced work absenteeism and to the overall improvement in quality of life of individual workers and the society.

Eligibility for admission

The programme admit candidates who holds a bachelor degree in Environmental Health Sciences, Medicine, Pharmacy, Dentistry, Nursing, Midwifery, Laboratory Sciences, Radiotherapy, Sociology, Occupational Therapy, Physiotherapy, Health Statistics, Healthy Services Administration, Demography, Biology, Food Science, Epidemiology, Engineering, Health Information Sciences or any relevant field with an average of “B” or a minimum GPA of 2.7 OR Postgraduate Diploma in environmental and occupational health related professions with an average of “B” or a minimum GPA of 3.0 and having field practical experience of at least two years from any recognized University. Admission to the programme will consider gender balance and inclusivity.

Master of Science in Occupational Health and Safety (MSc OHS) Degree Programme courses

Semester 1, Year 1									
Course Code	Course name	Core or Elective	Lecture Hrs	Tutorial/ Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
FP 600	Principles of Public Health and One Health	Core	21	14	14	34	7	94	9.4
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Principles of	Core	25.5	17	17	17	8.5	85	8.5

	Biostatistics								
FP 603	Health Management, Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
PQ 602	Implementing Social and Behaviour Change	Core	21	14	14	14	7	70	7
EE 600	Bioethics	Core	6	18	6	18	12	60	6
Total			169.8	127.2	115.2	147.2	66.6	630	63
Semester 2, Year 1									
Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
HE 600	Educational Principles and Practices for the Health Sciences	Core	30	20	20	20	10	100	10

	Professionals								
PQ 605	Monitoring and Evaluation for Public Health Programmes	Core	19.5	13	13	13	6.5	65	6.5
OH 601	Chemical hazards in the work environment	Core	26	19	19	19	12	110	11
OH 602	Physical hazards in the work environment	Core	20	15	15	15	20	85	8.5
OH 603	Control of Ergonomics, psychosocial and biological factors in the work environment	Core	27	18	18	18	9	90	9
OH 609	Field attachment 1 (Occupational Hygiene)	Core	0	3	3	14	70	105	10.5
OH 699.01	Dissertation	Core	0	15	5	35	20	75	7.5
Total			125.5	105	95	136	138.5	630	63

Semester 3, Year 2									
Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent Study Hrs	Practical Hrs	Total Hrs	Credits
OH 604	Occupational Health Risk Assessment, Management and Communication	Core	25	15	20	20	20	100	10
OH 605	Occupational diseases, work ability assessment and workers compensation	Core	30	20	20	20	10	100	10
OH 606	Occupational safety	Core	30	20	20	20	10	100	10
OH 607	Occupational health services management	Core	22.5	15	15	15	7.5	75	7.5
OH 608	Emerging issues in occupational health	Core	22.5	15	15	15	7.5	75	7.5

OH 610	Field attachment 2 (Risk Assessment and OHS Practice)	Core	0	10	5	20	70	105	10.5
OH 699.02	Dissertation	Core	0	5	3	37	30	75	7.5
Total			130	100	98	147	155	630	63

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Semester 4, Year 2

Course Code	Course Name	Core or Elective	Lecture Hrs	Tutorial/Seminar Hrs	Assignment Hrs	Independent study Hrs	Practical Hrs	Total Hrs	Credits
OH 699.03	Dissertation	Core	0	130	40	245	140	555	55.5
EH603	Disaster Management and Health	Elective*	20	15	15	15	10	75	7.5
OH 611	Occupational health in agriculture								
OH 612	Clinical Occupational								

	Medicine								
AE 603	Statistical Methods in Epidemiology								
PQ 606	Advanced Qualitative Research Methods								
Total			20	145	55	250	150	630	63

*Student to choose one of the elective courses

Examination Regulations for the MSc OHS program

- (i) General University Regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in the procedures for appeals.
- (ii) All modules or modular 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.
- (iii) There shall be at least two Continuous Assessment Tests (CAT) for each module.
- (iv) These shall form the Formative Assessment (FA).
- (v) The FA shall contribute 60% of the final grade in the end of module/ modular course/rotation. Summative Assessment

- (SA) shall contribute 40% of the final grade.
- (vi) To pass a course a candidate has to attain a B grade or higher.
 - (vii) No candidate shall be allowed to sit for a supplementary examination in more than three failed courses at any given time irrespective of GPA and shall be discontinued from studies.
 - (viii) A candidate who fails any number of modules/rotations and has a GPA of less than 2.4 shall be discontinued from studies.
 - (ix) A candidate who fails the second supplementary examination in semesters 1-2 shall be discontinued from the course, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the Senate.
 - (x) A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
 - (xi) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
 - (xii) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the School/Institute Board and approved by the Senate.
 - (xiii) A student shall be awarded the **MSc OHS** degree after passing all examinations in the prescribed modules and courses in the program and submitting an error free dissertation.

Grading System

The examination marks shall be graded as shown below:

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0

Marks %	100 -75%	74-70%	69-60**%	59-50%	49-40%	39-0%
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****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations for Dissertation

- (i) The dissertation shall consist of one research topic that will be within the field of Occupational health and Safety. The topic will be determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences not less than three months before dissertation defense. A candidate who fails to submit a dissertation at this period without approval will be barred from defending the dissertation.
- (iii) The candidate who failed to submit (as per section ii above) will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MSc OHS degrees allows.
- (iv) Oral defense of the dissertation shall be conducted during the end of semester 4.
- (v) Other dissertation regulations in Section 1.9.5 above shall apply.

- (vi) A candidate shall be awarded the MSc OHS degree after passing all examinations in the prescribed courses in the Program and submitting an error free dissertation.
- (vii) Candidates who, for valid reasons, fail to complete their dissertation within the specified period may apply for an extension of registration period. The maximum duration of the registration period (including extension) should not exceed six (6) semesters.

Master in Social and Behaviour Change (MSBC) Regular Track Degree Programme - MHM111

The Master in Social and Behaviour Change for Health Regular Track degree programme aims to create a carder of Public Health Specialists well versed in theory and practice of social and behaviour change. The graduate will be equipped to identify barriers to behaviour change and to design, implement and evaluate interventions that effectively address these obstacles. To this end, the trainee will acquire a comprehensive knowledge and understanding of social and behavioural theories and obtain practical skills necessary for tackling public health challenges for sustainable health improvements.

Eligibility of admission

Bachelor degree in Anthropology, Health Statistics, Environmental Health Sciences, Medicine, Pharmacy, Dentistry, Nursing, Radiology, Laboratory Sciences, Midwifery, Sociology, Health Services Administration, Demography, Biology, Food Science, Epidemiology, Health Information Sciences or any relevant field with an average of “B” or a minimum GPA of 2.7 OR Postgraduate Diploma in relevant field with an average of “B” or a minimum GPA of 3.0

MSBC- Regular Track Degree Programme courses

Semester 1 - Year 1

Course Code	Course Name	Core or Elective	Lecture Hrs.	Tutorial /Seminar Hrs.	Assignment Hrs.	Independent study Hrs.	Practical Hrs.	Total Hrs.	Course Code
FP 600	Principles of Public Health and One Health	Core	21	14	14	14	7	70	7
FP 601	Principles of Epidemiology	Core	25.5	17	17	17	8.5	85	8.5
FP 602	Biostatistics	Core	25.5	17	17	17	8.5	85	8.5
FP 603	Health Management, Leadership and Policy	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
FP 604	Research Methods	Core	35.4	23.6	23.6	23.6	11.8	118	11.8
BS 600	Theories and Models of Behaviour Acquisition and Change	Core	30	20	20	20	10	100	10.0
BS 601	Principles of Behavioural Economics in Health	Core	16.2	10.8	10.8	10.8	5.4	54	5.4
Total			189	126	126	126	63	630	63

Semester 2 - Year 1

Course code	Course name	Core/ elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BS 602	Social and behavioural determinants of health	Core	36	24	24	24	12	120	12
HE 600	Educational Principles and Practices for Health Sciences Professionals	Core	30	20	20	20	10	100	10
BS 603	Health Education and Promotion	Core	30	20	20	20	10	100	10
BS 604	Community Mobilization and Participation	Core	33	22	22	22	11	110	11
BS 605	Social and Behaviour Change Project	Core	60	40	40	40	20	200	20
Sub-total			189	126	126	126	63	630	63

Semester 1 - Year 2

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BS 606	Health communication Theory and practice	Core	33	22	22	22	11	110	11
PME 605	Essentials Of Project Implementation, Monitoring And Evaluation.	Core	42	28	28	28	14	140	14
BS 607	Social and Behavior Change field attachment	Core	81	54	54	54	27	270	27
BS 608	Social and Behavior Change Research Methods	Core	33	22	22	22	11	110	11
Sub-total			189	126	126	126	63	630	63

Semester 2 - Year 2:

Course code	Course name	Core or elective	Lecture (Hrs)	Tutorial/Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
BS 699	Dissertation	core	90	50	50	340	100	630	63

Examination Regulations for MSBC- Regular Track Degree Programme courses

- (i) General university Examination regulations on registration for examination, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The MSBC programme is a 4-semester programme and the maximum tenure for the degree shall be 6 semesters.
- (iii) The maximum freezing period shall be 2 semesters.
- (iv) Registration of students shall be once at the beginning of each semester.
- (v) There shall be at least two Continuous Assessment Tests (CAT) and Regular Assessment of competencies for each module/modular course taught during each semester. The CAT and the regular assessment of competencies shall constitute the Formative Assessment (FA), and the final end-of-module examination shall constitute the Summative Assessment (SA). Assessment shall be conducted using appropriate tools for each competency domain.
- (vi) The FA shall contribute 50% of the final grade at the end of the module university examinations.
- (vii) The FA and SA shall consist of written (MCQs, short and long essays) papers, oral examination, graded field reports, rated assignments, rated Practicals, multisource rating, observation of procedures and rating, self-assessment and peer assessment, assessed as in (v) above.

- (viii) A candidate will be considered to have passed the programme/course after passing all modules.
- (ix) Decision-making of the failing students shall be determined at the end of the audit year.
- (x) No candidate shall be allowed to sit for supplementary in more than three failed courses at any given time, irrespective of GPA, and shall be discontinued from the programme.
- (xi) A candidate who fails in one or more modules, but whose GPA is 2.4 or higher, shall be allowed to do supplementary examination(s) in the failed modules during the long vacation.
- (xii) A candidate who fails any number of modules and has a GPA of less than 2.4 shall be discontinued from the program
- (xiii) A candidate who fails the second supplementary examination in semesters 1 - 2 shall be discontinued from studies, except in special circumstances, if recommended by the School Board and Senate Higher Degrees Committee and approved by the University Senate. A candidate who fails the second supplementary examination in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xiv) A candidate who passes a supplementary examination at any level shall be awarded a "B" grade.
- (xv) No candidate will be allowed to repeat a semester ~~except~~ in very exceptional circumstances, on the recommendation of the SPHSS Board and approved by the University Senate.
- (xvi) A student shall be awarded the MSBC degree after passing all modules in the courses and successful defense of a dissertation.
- (xvii) In addition to these regulations, the general Regulations and Guidelines for Postgraduate Study Programmes shall be binding.
- (xviii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the

Grading System

The examination marks shall be graded as shown below:

Letter grade	A	B+	B	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 **%	59-50%	49-40%	39-0%

****Pass mark***

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

Regulations on dissertation

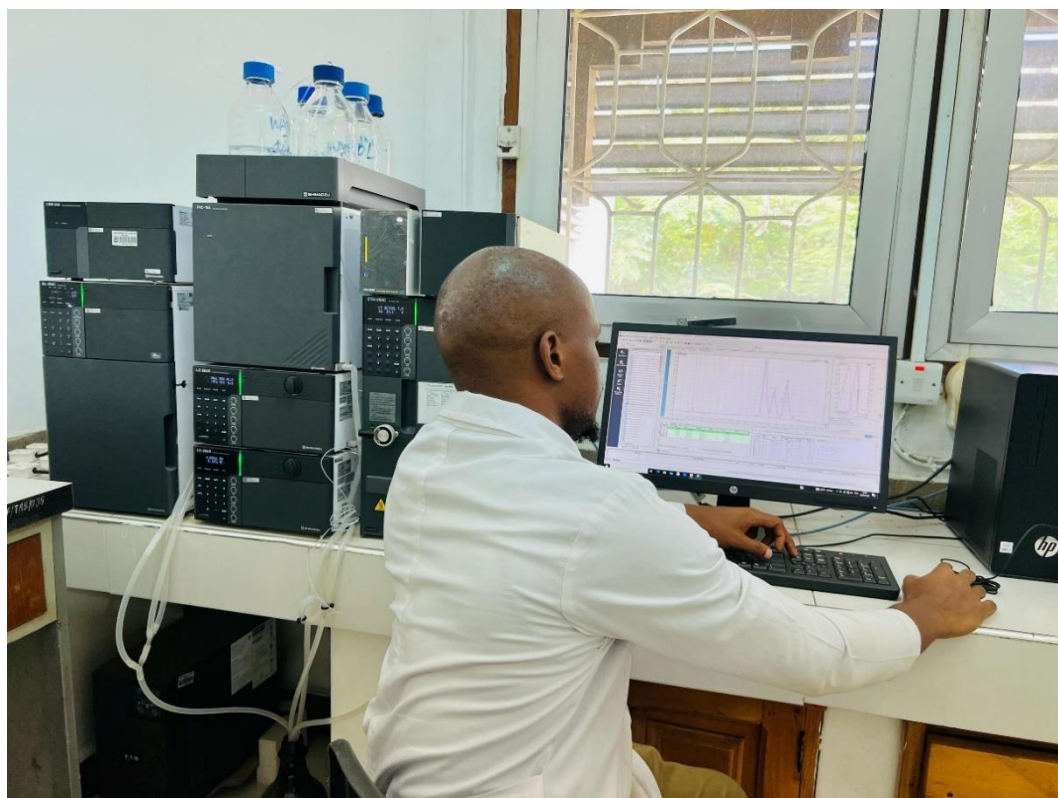
- (i) The dissertation shall consist of one research topic.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Dean of the School of Public Health and Social Sciences not less than three months before dissertation defense.
- (iii) The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MSBC degrees allows.
- (iv) Oral defence of the dissertation shall be conducted at the end of the last module. Other dissertation regulations in Section 1.9.5 above shall apply.
- (v) A candidate shall be awarded the MSBC degree after passing all examinations in the prescribed courses in the Program and submitting an error-free dissertation

CHAPTER SEVEN:

INSTITUTE OF TRADITIONAL MEDICINE

7.1 INTRODUCTION

Since its inception, the Institute of Traditional Medicine has been carrying out research in the area of ethnobiomedical practices and *materia medica* in Tanzania. Subsequently, the Institute has been conducting pharmacological and phytochemical studies culminating into formulations of various herbal products. In 2009/2010 the Institute engaged itself in yet another milestone by initiating Postgraduate training programs for strengthening development of Traditional medicine for the health benefits of Tanzanians and beyond.



Analysis of phytochemicals of Herbal product using a High-Performance Liquid Chromatography (HPLC) equipment in the Department of Natural Products Development and Formulation at the Institute of Traditional Medicines-MUHAS



Some herbal products produced at the Institute of Traditional Medicine, MUHAS

7.2 PROGRAMME

7.2.1 Master of Science in Herbal Products Development Programme - MHM128

The MSc in Herbal Products Development program aims to create a cadre of personnel with knowledge, skills, and attitude to work on the modernization of Tanzanian traditional medicines into credible herbal products that can be prescribed and used by the community, hence accelerate such products to be integrated into healthcare systems. Graduates of this program will also be able to train others and conduct research in the area of traditional medicine and related fields.

7.2.1.1 Entry requirements

Graduates with a minimum of a lower second-class degree with a GPA of 2.7 in the following programmes: Pharmacy and BSc degree having Chemistry or BSc. degree having Biology with at least a pass in Chemistry at A-Level.

7.2.1.1.1 MSc Herbal Products Development Degree Programme Courses.

Course Code	Course Name	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assignment (Hrs)	Independent Study (Hrs)	Practical (Hrs)	Total (Hrs)	Credits
Semester 1 Year 1: 63.0 credits									
HD601	Introduction to Natural Healing Systems	Core	18	30	9	14	9	80	8.0
HD602	Medical Botany,	Core	17	36	16	18	50	137	13.7
ER600	Principles of Epidemiology and Biostatistics	Core	36	24	24	24	12	120	12
EE600	Bioethics	Core	6	18	6	18	12	60	6
HP602	Principles of Healthcare Entrepreneurship	Core	13	17	8	28	11	77	7.7
HD603	Phytochemical Processes in Herbal Products Development	Core	34	50	16	16	50	156	15.6

Total			124	175	79	118	144	630	63.0
Semester 2 Year 1: 63.0 credits									
HP604	Formulation of Standardized Herbal Products	Core	30	45	20	40	100	235	23.5
HD605	Biological evaluation of Herbal products	Core	30	20	20	15	80	175	17.5
HE600	Educational Principles and Practices for the Health Professionals	Core	68	5	10	15	2	100	10
HP609	Leadership and Management in Health	Core	56	16	10	30	8	120	12
Total			149	94	61.5	116	199.5	630	63.0
Semester 3 Year 2: 63.0 credits									
HD 699	Dissertation I	Core	2	100	64	295	169	630	63
Total			2	100	64	295	169	630	63
Semester 4 Year 2: 63.0 credits									
HD 699	Dissertation II	Core	2	107	63	271	187	630	63

Total			2	107	63	271	187	630	63
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7.2.1.1.2 Examination Regulations for MSc in Herbal Products Development Degree Programme

- (i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The academic year is the basic academic audit unit.
- (iii) The Master degree in Herbal Products Development is a 4-semester programme and the maximum tenure for the degree shall be 6 semesters.
- (iv) The maximum freezing period shall be 2 semesters.
- (v) Registration for full time students shall be once at the beginning of each semester.
- (vi) There shall be at least two Continuous Assessment (CAT) and regular Assessment of competencies for each module taught in each semester, which shall constitute the Formative Assessment (FA) and end of module/course examination, which shall be the Summative Assessment (SA).
- (vii) The FA shall contribute 50% and at the end of the module Summative Assessment (SA) the other 50 % of the final grade for semesters 1-2. For semesters 3-4, the FA contributes 40% and SA contributes 60% of the final grade
- (viii) A candidate will be considered to have passed a course after passing all modules of the respective course.
- (ix) A candidate failing three or more courses shall be discontinued from the programme irrespective of GPA.
- (x) A candidate shall not be allowed to sit for the first supplementary examination if the cumulative GPA is less than 2.4 and shall be discontinued.
- (xi) A candidate who fails the second supplementary examination of semesters 1- 2 shall be discontinued from the studies, except in special circumstances, if recommended by the Institute Board and Senate Higher Degrees Committee and approved by the University Senate.
- (xii) A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.

- (xiii) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xiv) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the Institute Board and approved by the Senate

- (xv) A student shall be awarded the MSc Herbal Products Development degree after passing all courses and successful defense of a dissertation.
- (xvi) In addition, the general Regulations and Guidelines of Postgraduate Study Programmes shall be binding.
- (xvii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

7.2.1.1.3. Regulations on MSc Herbal Products Development dissertations

- (i) The dissertation shall consist of one research topic determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Director of the Institute of Traditional Medicine at least THREE MONTHS before the beginning of semester 4 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for those final examinations. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MSc Herbal Products Development degrees allows.
- (iii) Oral defense of the dissertation shall be done during the end of semester 4 University examinations.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.

The Grading system

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B*	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E = Failure.

7.2.2 Master of Science in Quality Assurance and Quality Control of Herbal Products Programme

Medicinal plants are gaining increasing popularity globally as drugs, complementary, and alternative medicines, food supplements, and cosmetics. The complexity of herbs and extracts, and the significant variation in active components in them, raises major quality issues towards their integration into mainstream healthcare delivery, increasing the need for their identification and standardization,

as well as the detection of adulterants and contaminants.

The MSc in Quality Assurance and Quality Control aimed to train a cadre of scientists with knowledge, skills, and attitude in appropriate analytical methods for the identification and standardization of herbal products, as well as the detection of adulterants and contaminants in herbal products. Well-trained experts in quality assurance and quality control of herbal products will participate in the production of credible herbal products that can be prescribed and used by the community, thereby accelerating integration of these products into healthcare systems.

7.2.2.1 Entry requirements

Graduates with a minimum of a lower second-class degree with a GPA 2.7 out of 5 in the following programmes: Bachelor of Pharmacy, Bachelor in Pharmaceutical Management, BSc.in Chemistry, Food Technology and Nutrition, Laboratory technology, Microbiology, Environmental chemistry, and related fields. With at least one year of working experience and at least a pass in chemistry at A-Level.

7.2.2.2 MSc Science in Quality Assurance and Quality Control of Herbal Products Degree Programme Courses

Name of the Programme	Core or elective	Lecture (Hrs)	Tutorial/ Seminar (Hrs)	Assign ment (Hrs)	Independent Study (Hrs)	Practical/Field attachment (Hrs)	Total (Hrs)	Credits
Semester 1 Year 1: 63.0 credits								
HQ 601 Quality control of herbal raw materials	Core	27	48	12	21	12	120	12.0

HQ 602 Quality control of Biological contaminants of herbal medicines	Core	25	20	13	27	65	150	15.0
ER 600 Principles of Epidemiology and, biostatistics	Core	36	24	24	24	12	120	12
EE 600 Bioethics	Core	6	18	6	18	12	60	6
HQ 603 Quality assurance management systems and Regulatory affairs	Core	62	32	32	40	20	180	18.0
		156	142	87	130	121	630	63.0
Semester 2 Year 1: 63.0 credits								
HQ 604 Quality Control of Chemicals in herbal medicines	Core	16	20	10	8	76	130	13.0
HQ 605 Analytical instruments for quality control of herbal medicines	Core	34	16	17	22	40	127	12.7
HQ 606 Field Attachment	Core	14	50	23	71	45	203	20.3

HP 609 Leadership and Management in Health	Optional/Elective	11	14	7.5	30	7.5	70	7
HE 600 Educational Principles and Practices for the Health Professionals	Core/Elective	68	5	10	15	2	100	10
		143	105	67.5	146	170.5	630	63.0
Semester 3 Year 2: 63.0 credits								
HP 699 Dissertation I	Core	2	100	64	295	169	630	63.0
Total		2	100	64	295	169	630	63.0
Semester 4 Year 2: 63.0 credits								
HP 699 Dissertation II	Core	2	107	63	271	187	630	63
Total		2	107	63	271	187	630	63

7.2.2.3 Examination Regulations for MSc in Quality Assurance and Quality Control of Herbal Products Degree Programme

- (i) General University Examination regulations on registration, registration for examinations, professional conduct, eligibility for examination, absence from examination, Board of Examiners, conduct of examinations, Examination irregularities, procedures for appeals and preservation of scripts shall remain as stipulated in Chapter one.
- (ii) The academic year is the basic academic audit unit.
- (iii) The Master degree in Quality Assurance and Quality Control of Herbal Products is a 4-semester programme and the maximum tenure for the degree shall be 6 semesters.

- (iv) The maximum freezing period shall be 2 semesters.
- (v) Registration for full time students shall be once at the beginning of each semester.
- (vi) There shall be at least two Continuous Assessment (CAT) and regular Assessment of competencies for each module taught in each semester, which shall constitute the Formative Assessment (FA) and end of module/ course examination, which shall be the Summative Assessment (SA).
- (vii) The FA shall contribute 50% and at the end of the module Summative Assessment (SA) the other 50 % of the final grade for semesters 1-2. For semesters 3-4, the FA contributes 40% and SA contributes 60% of the final grade
- (viii) A candidate will be considered to have passed a course after passing all modules of the respective course.
- (ix) A candidate failing three or more courses shall be discontinued from the programme irrespective of GPA.
- (x) A candidate shall not be allowed to sit for the first supplementary examination if the cumulative GPA is less than 2.4 and shall be discontinued.
- (xi) A candidate who fails the second supplementary examination of semesters 1- 2 shall be discontinued from the studies, except in special circumstances, if recommended by the Institute Board and Senate Higher Degrees Committee and approved by the University Senate.
- (xii) A candidate who fails the second supplementary in semester 3 and 4 shall be allowed to supplement the failed course/courses provided the maximum tenure of 6 semesters is not exceeded.
- (xiii) A candidate who passes a supplementary examination at any level shall be awarded a “B” grade.
- (xiv) No candidate will be allowed to repeat a semester except in very exceptional circumstances, on the recommendation of the Institute Board and approved by the Senate.
- (xv) A student shall be awarded the MSc Quality Assurance and Quality Control of Herbal Products degree after passing all

courses and successful defense of a dissertation.

(xvi) In addition, the general Regulations and Guidelines of Postgraduate Study

Programmes shall be binding.

(xvii) Notwithstanding these regulations, postgraduate students are governed by civil service regulations and shall have only one leave in a year during the long vacation.

7.2.2.4 Regulations on MSc Quality Assurance and Quality Control of Herbal Products dissertations

- (i) The dissertation shall consist of one research topic determined by the candidate and approved by the department.
- (ii) Four loosely bound copies of the dissertation shall be submitted to the Director of the Institute of Traditional Medicine at least THREE MONTHS before the beginning of semester 4 University examinations. A candidate who does not submit a dissertation at this period shall be barred from sitting for those final examinations. The candidate will be required to submit loosely bound copies of the dissertation not less than three months prior to the examination when next offered provided that the regulation on maximum tenure for MSc Quality Assurance and Quality Control of Herbal Products degrees allows.
- (iii) Oral defense of the dissertation shall be done during the end of semester 4 University examinations.
- (iv) Other dissertation regulations in Section 1.9.5 above shall apply.

7.2.2.5 The Grading System

The examination marks shall be graded as shown below: -

Letter grade	A	B+	B*	C	D	E
Grade points	5.0 - 4.4	4.3 - 3.5	3.4 - 2.7	2.6 - 2.0	1.9 - 1.5	1.4 - 0.0
Marks %	100 -75%	74-70%	69-60 *%	59-50%	49-40%	39-0%

**Pass mark*

Where;

A = Excellent; B+ = Very Good; B = Good; C = Marginal Failure, and D/E =

Failure

7.3 MASTER OF SCIENCE BY RESEARCH AND PHD PROGRAMMES

The common regulations (as appears in the MUHAS General Regulations and Guidelines for Postgraduate study Programmes) for MSc by Research and Publications and Doctor of Philosophy degrees of the University in all Schools and Academic Institutes apply.

7.3.1 Master of Science by Research and Publications - MHM45

7.3.1.1. Master of Science by Research and Publications Entry requirements

Bachelor degree in any relevant field with an average of **“B”** or a minimum **GPA of 2.7. OR** Postgraduate Diploma in any relevant field with an average of **“B”** or a minimum **GPA of 3.0.**

CHAPTER EIGHT:

FEE STRUCTURE AND SPECIAL STUDENTS' REQUIREMENTS

8.1 FEE STRUCTURE

All students shall promptly pay their dues to the University. Students who fail to do so shall be barred from registering and sitting for examinations.

8.1.1 Annual fee structure for Master and PhD programmes is shown in the table below: -

	Master		Doctor of Philosophy	
	Local (Tshs)	Foreign (USD)	Local (Tshs)	Foreign (USD)
I. PAYABLE TO UNIVERSITY				
Tuition Fee^a	4,000,000	4,500	6,500,000	8,000
Students Emergency Fund	20,000	20	20000	20
Application Fee (once)^b	100,000	50	100,000	50
Registration Fee (once)	200,000	100	240,000	120
Quality Assurance Fee	20,000	20	20,000	20
Examination Fee	400,000	200	2,400,000	1,200
Ethical Clearance Fee (once)^c	150,000	250	150,000	250
Dissertation/Thesis Supervision	500,000	250	1,500,000	1,800
Research/Field Costs (once)^d	2,400,000	1,200	10,000,000	5,000
Sub Total	7,770,000	6,570	20,910,000	16,440
II. PAYABLE TO STUDENT^e				
Books Allowance	600,000	300	1,000,000	500
Stationery	200,000	100	1,000,000	500
Dissertation/Thesis Production (once)	600,000	300	1,500,000	750
Special Faculty Requirement Stipend^f	600,000	300	600,000	1000
	12,000,000	6,000	12,000,000	6,000
Sub Total	14,000,000	7,000	16,100,000	8,750
Grand Total	21,770,000	13,570	37,010,000	25,190

^aSpecial programmes in the SPHSS have different rates of annual tuition fees as shown below (local tuition fee and foreign in brackets):-

MPH distance learning 2,000,000/= Tsh (1,000 USD); MPH executive track 3,600,000 Tsh (3,000 USD); MSc Project Management, Monitoring and Evaluation in Health 3,300,000 Tshs (2,000USD); MSc Health Information Management 2,260,000/= Tsh (1,900 USD) and MSc Behavioural Change 2,550,000/= Tshs (2,500 USD). Students Emergency Fund: First year students (Local) will pay Tsh 20,000 and continuing students will pay Tsh 3000. The first year foreign students will pay USD 20 during registration.

^bApplication fee is exclusive of bank charges.

Applicable for single regular review of health research proposals. Charges for review of clinical trials proposals, expedited reviews, amendments and renewals are as per MUHAS Ethical Clearance Fees Structure (www.muhas.ac.tz).

*^dResearch costs shall be paid **once**, except for students in MSc Applied Epidemiology (MSc AE), MSc Epidemiology and Laboratory Management (MSc ELM), MSc by Research and PhD programmes where payments shall be done **annually**. Payable annual research costs for MSc AE and MSc ELM is 10,800,000 Tshs (5,000 USD). Actual research costs may be higher and should be paid accordingly depending on actual budgeted research costs.*

^eNot payable to the University. Students should negotiate these payments with sponsors.

^fBased on TZS 1,000, 000/= per month for 12 months according to the current living costs.

Note: All students will have to join or show evidence that they are members of National Health Insurance Fund (NHIF) or other similar fund at the time of registration.

8.2 STUDENTS' SPECIAL PROGRAMME REQUIREMENTS

8.2.1 MMED AND MSC SUPERSPECIALIZATION PROGRAMMES

1	Diagnostic Kit
2	Delivery Kit (for applicable courses)
3	Theatre boots (for applicable courses)
4	Theatre gowns (for applicable courses)
5	Aprons
6	Eye protection gear
7	Masks and Caps
8	Case Report binder
9	Sphygmomanometer
10	Clinical Coats
11	Pen-torch and batteries
12	Neck tie/Scarf
13	Laptop
14	Software (for specific courses)
15	Any other specific need provided by respective department

NOTE: All students are required to own, and utilize these items in their rotations and examination. Failure to abide to these may bar a student from the clinic/ward/examinations.

CHAPTER NINE:

ACADEMIC AND ADJUNCT STAFF AT MUHAS

9.1 LISTS OF ACADEMIC STAFF

S/N	NAME	SEX	ACADEMIC RANK	QUALIFICATIONS
CAMPUS COLLEGE OF MEDICINE				
SCHOOL OF CLINICAL MEDICINE				
Anaesthesiology				
1	S.H. Mrutu	M	Lecturer and Head	MD, MMed (MUHAS)
2	E.R. Lugazia	M	Lecturer	MD, MMed (UDSM), FCTA (India) MBA (Mzumbe)
3	H.B. Msanga	M	Lecturer	MD, MMed (MUHAS)
4	M.D. Tupa	F	Tutorial Assistant	MD (MUHAS)
5	A.A. Jongo	F	Lecturer	MD, MMed (MUHAS)
Emergency Medicine				
6	S.S. Kilindimo	M	Lecturer and Head	MD (UDSM), MMed (Stellenbosch, SA)
7	E.G. Mapunda	F	Lecturer	MD, MMed (MUHAS)
8	H.G. Medarakini	M	Lecturer	MD, MMed (MUHAS)
9	M.F. Omar	M	Tutorial Assistant	MD (MUHAS)
10	E. Mmbando	M	Lecturer	MD, MMed (MUHAS)
11	A.H. Mshale	F	Tutorial Assistant	MD (MUHAS)
12	J.J. Butamo	M	Tutorial Assistant	MD (MUHAS)
Orthopaedic and Traumatology				

31	H.F. Hyera	F	Lecturer	MD, MMed (MUHAS)
32	S.C. Marwa	M	Tutorial Assistant	MD (MUHAS)
33	F.A. Massawe	M	Senior Lecturer and Head	MD, MMed (MUHAS), PhD (Upsalla)
34	A.B. Pembe	M	Professor	MD, MMed (UDSM), PhD (Uppsala)
35	P.T. Wangwe	M	Senior Lecturer and Dean	MBChB (Makerere), MMed (UDSM)
36	F.M. Alwy	F	Senior Lecturer	MD, MMed (MUHAS), PhD (Katorinska)
37	B.S. Balandya	F	Lecturer	MD, MMed (MUHAS)
38	A.M. Saidi	M	Lecturer	MD, MMed (MUHAS), PhD (Uppsala)
39	A.I. Kikula	M	Senior Lecturer	MD (MUHAS), MMed (MUHAS)
40	B.A. Muro	M	Lecturer	MD (KCMUCo), MMed (MUHAS)
41	Z.H. Yussuf	F	Lecturer	MD (MUHAS), MMed (MUHAS)
42	M. Mkonyi	F	Lecturer	MD (MUHAS), MMed (MUHAS)
43	M.E. Bweli	M	Tutorial Assistant	MD (MUHAS)
44	E.I.M. Lwinda	M	Tutorial Assistant	MD (MUHAS)
45	M. Izengo	F	Tutorial Assistant	MD (MUHAS)
Ophthalmology				
46	H.E. Masuki	F	Lecturer and Head	MD, MMed (MUHAS)
47	C.F. Mhina	F	Lecturer and Head	MD, MMed (MUHAS)
48	N.S. Mosenene	F	Lecturer	MD (Havana), MMed (MUHAS)
49	F.A. Shengeza	M	Lecturer	MD (MUHAS), MMed (MUHAS)
50	S.S. Sachedina	F	Tutorial Assistant	MD (MUHAS)

51	N.W. Swai	M	Lecturer	MD (MUHAS), MMed (MUHAS)
52	C.A. Mauki	M	Tutorial Assistant	MD (MUHAS)
53	K.L. Mkenda	F	Tutorial Assistant	MD (MUHAS)
54	S. Ching'ang'a	M	Tutorial Assistant	MD (MUHAS)
Othorhinolaryngology				
55.	D.C. Ntunaguzi	M	Lecturer and Head	MD, MMed (MUHAS)
56.	E.R. Massawe	F	Associate Professor	MD, MMed (UDSM)Clin. Fellowship in Rhinology (Tan Tock Seng Hospital, Malasia)
57.	A.A. Kahinga	F	Senior Lecturer	MD, MMed (MUHAS), Fellowship in Otology (Yonsei Severance Hospital, S. Korea)
58.	K.B. Mapondela	M	Senior Lecturer	MD (Tumaini), MMed (MUHAS), Cert. Allergology & Immunology (College of Medicine)
59.	I.F. Mwita	M	Lecturer	MD (MUHAS), MMed (MUHAS)
60.	J.C. Kessy	M	Lecturer	MD (MUHAS), MMed (MUHAS)
61.	A.D. Mrema	M	Tutorial Assistant	MD (MUHAS)
62.	C.M. Misoji	M	Tutorial Assistant	MD (MUHAS)
63.	A.S. Ntoga	M	Tutorial Assistant	MD (MUHAS)
Paediatrics and Child Health				
64.	F.F. Furia	M	Associate Professor and Head	MD, (UDSM), MMed (MUHAS), MSc – Nephrology (MUHAS), PG Dipl Paediatric Nephrology (UCT), Cert. Paed. Rheumatology (PReS/ EULAR), ERCP (London)

65.	H.E. Naburi	F	Associate Professor	MD, MMed, (UDSM), MPH (Dartmouth), PhD (Karolinska)
66.	N.S. Masoud	F	Associate Professor	MD (UDSM), MMed (MUHAS), PhD (Switzerland)
67.	E.N. Kija	M	Senior Lecturer	MD, MMed (MUHAS), Cert. Paediatric Neurology (College of Medicine of SA), Mphil (UCT)
68.	R. Kisenge	M	Associate Professor	MD, MMed (UDSM), PhD (Japan)
69.	L.F. Chirande	F	Senior Lecturer	MD, MMed (MUHAS), Fellowship of Paed. Haematology & Oncology (MAKERERE)
70.	D.A. Nkya	M	Lecturer	MD, MMed (MUHAS), Cert. Paed. Cardiology (College of Medicine of SA), Mphil (Pretoria)
71.	E.N. Assenga	F	Lecturer	MD (UDSM), MMed (MUHAS), Cert. Neonatology (College of Medicine of SA), Mphil (UCT)
72.	F.D. Kimaro	F	Lecturer	MD (MUHAS), MMed (CUHAS)
73.	H.C. Malyas	F	Lecturer	MD, MMed (MUHAS)
74.	O.H. Urrio	M	Lecturer	MD, MMed (MUHAS)
75.	J.M. Nyambabe	M	Tutorial Assistant	MD (MUHAS)
76.	J.M. Mwalongo	M	Tutorial Assistant	MD (MUHAS)
Psychiatry and Clinical Psychology				
77.	D.P. Mushi	F	Senior Lecturer and Head	MD (UDSM), MMed (MUHAS)

78.	S.L. Likindikoki	M	Senior Lecturer	MD (UDSM), MMed (MUHAS)
79.	S.F. Kaaya	F	Professor	MD (UDSM), Dip. Psych, MSc. Med., (Manchester) PhD (Maastricht)
80.	E.S. Mzilangwe	F	Lecturer	MD, MMed (MUHAS)
81.	*I.S. Lema	M	Assistant Lecturer	BSc (TU-IUCo), MSc (MUHAS)
82.	*M.N. Kilonzo	M	Assistant Lecturer	BSc (Malaysia), MSc Psychol (MUHAS)
83.	*T.D. Njau	F	Assistant Lecturer	BSc Couns. Psych (Iringa), MSc Clin Psychol (MUHAS)
84.	H.H. Mwaipopo	F	Tutorial Assistant	MD (MUHAS)
85.	R.A. Hamad	F	Tutorial Assistant	MD (MUHAS)
Clinical Oncology				
86.	S. J. Lidenge	M	Senior Lecturer and Head	MD, MMed (MUHAS), PhD (USA)
87.	*C.V.	F	Lecturer	MD (MBARARA), MMed (MUHAS)
88.	F.Y. Paulo	M	Assistant Lecturer	BSc RTT, MSc (MUHAS)
89.	Q.G. Tarimo	F	Lecturer	MD, MMed (MUHAS)
90.	L.E. Mallya	F	Tutorial Assistant	MD (Cuba)
91.	D.B. Mtei	M	Tutorial Assistant	MD (MUHAS)
Surgery				
92.	A.H. Mwanga	M	Senior Lecturer and Head	MD (UDSM), MMed, MSc Surgical Gastroenterology & Hepatology (MUHAS)
93.	M.D. Mchembe	M	Associate Professor	MD (UDSM), MMed (UDSM)

94.	O.V. Nyongole	M	Associate Professor	MD, MMed (MUHAS), MSc Urology (Tumaini)
95.	L.O. Akoko	M	Associate Professor	MD (UDSM), MMed (MUHAS), Fellowship in Gastrointestinal Surgical
96.	R.H. Khamisi	M	Lecturer	MD (UDSM), MMed (MUHAS),
97.	M.J. Byomuganyizi	M	Lecturer	MD, MMed (MUHAS)
98.	F.A. Mushi	F	Lecturer	MD, MMed (MUHAS)
99.	N.E. Kivuyo	F	Senior Lecturer	MD, MMed (MUHAS)
100.	M. Misidai	M	Lecturer	MD, MMed (MUHAS)
101.	D.W. Kitua	M	Lecturer	MD (HKMU), MMed (MUHAS)
102.	N.R. Swago	M	Tutorial Assistant	MD (MUHAS)
108.	G.M. Haule	M	Tutorial Assistant	BSc Physiotherapy (KCMCo)

SCHOOL OF DIAGNOSTIC MEDICINE

Hematology and Blood Transfusion

109.	C.C. Chamba	F	Lecturer and Head	MD (HKMU), MMed (MUHAS)
110.	J.B. Makani	F	Associate Professor	MD (UDSM), MRCP (UK), PhD (Open University, UK)
111.	M.A. Lyimo	F	Lecturer	MD, MMed (UDSM), PhD (Dartmouth)

112.	A.M. Nasser	F	Lecturer	MD (MUHAS), MMed (MUHAS)
113.	W.F. Mawalla	M	Lecturer	MD, MMed (MUHAS)
114.	M.M. Ally	M	Lecturer	MD. MMed (MUHAS)
115.	Y.S. Mtali	M	Lecturer	BSc HLS (KCMCo), MSc (MUHAS), PhD (Kumamoto)
116.	L.R Mlanzi	F	Tutorial Assistant	MD (MUHAS)
117.	E.B. Buberwa	M	Tutorial Assistant	BMLS (MUHAS)
118.	J.J. Nyamataga	M	Tutorial Assistant	MD (MUHAS)
119.	D.B. Syoai	M	Research Fellow Trainee	BMLS (MUHAS)
Pathology				
120	A. Kimambo	F	Lecturer and Head	MD, MMed (MUHAS)
121.	A.R. Mwakigonja	M	Associate Professor	MD, MMed (UDSM), PhD (Karolinska), FCPATH (ECSA)
122.	E.E. Kabyemela	M	Senior Lecturer	MD, MSc (UDSM), PhD (Tumaini)
123.	*S. Haule	M	Tutorial Assistant	BMLS (MUHAS)
124.	S.S. Ramadhani	M	Lecturer	MD, MMed (MUHAS)
125.	A.B. Mashaka	M	Lecturer	MD, MMed (MUHAS)
126.	T.T. Mushi	F	Lecturer	MD, MMed (MUHAS)
127.	N.F. Kileo	F	Tutorial Assistant	BMLS (MUHAS)
128.	E. Kaiage	M	Tutorial Assistant	BMLS (MUHAS)
129.	A.P. Mbeya	M	Tutorial Assistant	BMLS (MUHAS)
130.	B. Mugeta	M	Tutorial Assistant	BMLS (MUHAS)
Microbiology & Immunology				
131.	J.P. Manyahi	M	Associate Professor and Head	MD (UDSM), MMed (MUHAS), PhD (Bergen University)

132.	A.J. Mkumbara	F	Associate Professor	MD (UDSM), MMed (MUHAS), PhD (Karolinska)
133.	D.D. Kamori	F	Associate Professor	MD (CUHAS), PhD (Japan)
134.	M.V. Majigo	M	Lecturer	MD (UDSM), MMed (UDSM)
135.	S.S. Masoud	M	Senior Lecturer	MD (Tumaini), MSc (Nottingham), MMed (MUHAS)
136.	L.B. Nkinda	F	Assistant Lecturer	BSc HLS (KCMCo), MSc (Moi Uni.)
137.	A. J. Charles	F	Assistant Lecturer	BMLS (SUA), MSc. (MUHAS)
138.	U.O. Kibwana	F	Assistant Lecturer	BSc HLS (KCMUCo), MSc (MUHAS)
139.	D.S. Renatus	M	Tutorial Assistant	BMLS (MUHAS)
140.	M.M. Majura	M	Tutorial Assistant	BMLS (MUHAS)

Radiology and Imaging

141.	M.M. Jacob	M	Senior Lecturer and Head	MD, MMed (MUHAS), PhD (MUHAS)
142.	*Z.F. Nkrumbih	F	Lecturer	MD, MMed (MUHAS)

143.	L.S. Fundikira	F	Senior Lecturer	MD, MMed (CUBA), PhD (Ulrich, Netherlands)
144.	M.B. Balowa	M	Lecturer	MD, MMed, MSc Intervention Radiology (MUHAS)
145.	L. Salingwa	F	Lecturer	MD, MMed (MUHAS)
146.	M.A. Salehe	F	Lecturer	MD (KCMCo), MMed, MSc Neuro-radiology (MUHAS)
147.	M.A. Shemweta	F	Lecturer	MD, MMed (MUHAS)
148.	U.M. Akberali	F	Lecturer	MD (KCMCo), MMed (MUHAS)

SCHOOL OF BIOMEDICAL SCIENCES

Anatomy and Histology				
149.	D.A. Russa	M	Associate Professor	BVM (SUA), MSc (Utrecht), PhD (Iwate, Japan)
150.	*E.H. Suluba	M	Assistant Lecturer and Head	MD (UDSM), MSc (MUHAS)
151.	*G.E. Towo	M	Assistant Lecturer	MD (UDSM), MSc (MUHAS)
152.	*A.K. Hamad	M	Assistant Lecturer	DDS (Cuba), MSc (MUHAS)
153.	*P.F. William	M	Assistant Lecturer	MD (MUHAS), MSc (MUHAS)
154.	A.E. Furaha	M	Assistant Lecturer	MD (MUHAS), MSc (MUHAS)
155.	K. Kinyota	M	Tutorial Assistant	MD (MUHAS)
156.	N.G. Manyasima	M	Tutorial Assistant	MD (MUHAS)

Biochemistry				
157.	F.H. Urrio	F	Lecturer and Head	BSc (Namibia), MSc Mol Biol (Linkoping), PhD (MUHAS)

158.	E.V. Mbugi	M	Professor	BVM, MVM (SUA), PhD (Wageningen, NL), Post Doc (MUHAS)
159.	S.W. Nkya	F	Senior Lecturer	BSc (UDSM), MSc (UDSM), PhD (MUHAS)
160.	F.A. Dida	M	Lecturer	MD (UDSM), PhD (Mie, Japan)
161.	M.Z.A. Mohamed	M	Lecturer	BSc (Manipal, India), MSc, PhD (Groningen, NL)
162.	*B.S. Mkumbe	M	Assistant Lecturer	BSc (UDSM), MSc (Seberas Maret Surakarta, Central Java Indonesia)
163.	J.J. Hayola	M	Assistant Lecturer	BSc (SUA), MSc (SUA)
164.	*K.S. Ndaki	M	Assistant Lecturer	BSc (UDSM), MSc (SUA)
165.	*C.E. Rukondo	F	Assistant Lecturer	BSc (St Joseph University), MSc (UDSM)
166.	*A.A. Siima	F	Assistant Research Fellow	BSc (Mwenge Catholic University), MSc (UDSM)
167.	R.B. Mbwambo	F	Assistant Lecturer	BSc (SUA), MSc (University of Nairobi)
168.	*H.Y. Wawa	F	Tutorial Assistant	BEd (UDSM)
169.	A.H. Kiula	M	Assistant Lecturer	BSc (UDSM), MSc (UDSM)
170.	E.J. Saukiwa	M	Assistant Lecturer	BSc (SUA), MSc (University of Oxford)
171.	*M.M. Kasim	M	Tutorial Assistant	BMLS (MUHAS)

Clinical Pharmacology

172.	R.H. Mnkugwe	M	Senior Lecturer and Head	MD, MSc (MUHAS), PhD (Karolinska)
173.	P.G. Sasi	M	Senior Lecturer	MD, MMed (UDSM), PhD (MUHAS)
174.	S.F. Mugusi	F	Senior Lecturer	MBBS (IMTU), PhD (Karolinska)
175.	*T.M. Mwakvandile	F	Assistant Lecturer	MD, MSc (MUHAS)
176.	*M.A. Khalfan	M	Assistant Lecturer	MD (MUHAS), MPH (MUHAS), MSc (MUHAS)

177.	J.J. Madaha	M	Tutorial Assistant	MD (MUHAS)
178.	D.G. Surumbu	F	Tutorial Assistant	MD (MUHAS)
179.	I.G. Msamba	F	Tutorial Assistant	MD (MUHAS)
180.	K.R. Mwageni	M	Tutorial Assistant	MD (MUHAS)
181	L.J. Shofeli	F	Tutorial Assistant	MD (MUHAS)
Biomedical Engineering				
182.	D. Mzurikwao	M	Lecturer and Head	BE (Electronics & Comm. Eng (St Joseph University of Tanzania), ME (Tianjin, China), PhD (Kent, UK)
183.	*E.B. Eduard	M	Lecturer	BSc (UDSM), MSc (UDOM), PhD (Korea)
184.	S.M. Sahani	M	Lecturer	BSc (UDOM) MSc (AIMS), MSc UDOM), PhD (Bergen)
185.	*T. Kabika	M	Assistant Lecturer	BSc (UDSM), MSc (TUTE), MSc (Anhalt)
186.	R.R. Said	M	Lecturer	BEng (MUST), MSc (UESTC, China), PhD (UESTC, China)
187.	*O.H. Pinda	M	Assistant Lecturer	ADE (MUST) PGD, ME (UDSM), ME (Anhalt)
188.	L.C. Mpande	M	Assistant Lecturer	BSc Math (AIMS), MSc (UDOM)
189.	P.V. Msekwa	M	Tutorial Assistant	BSc Comp Science (St. Joseph)
190.	M.E. Kalleku	F	Assistant Lecturer	BEng (Arusha TC), MSc (Strathclyde University)
191	A.I. Nchullah	F	Assistant Lecturer	BEng (Arusha TC), MSc (Strathclyde University)
192.	A.A. Ebrahim	F	Assistant Lecturer	MD (MUHAS), MSc (Edinburgh)
193	*S.E. Ndomba	M	Tutorial Assistant	BSc (Prosthetic and Orthotics (KCMCo)

194	*T.M. Matandala	M	Tutorial Assistant	BSc (Prosthetic and Orthotics (KCMCo)
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Physiology				
195.	A.M. Tungu	M	Senior Lecturer and Head	MD (MUHAS), PhD (Bergen)
196.	E.C. Balandya	M	Associate Professor	MD (UDSM), PhD (Dartmouth)
197.	O.M. Chillo	M	Lecturer	MD (MUHAS), PhD (Munich)
198.	D.L. Ngarashi	M	Lecturer	MD (MUHAS), MSc. (MUHAS), PhD (Shiname, Japan)
199.	*F.L. Mashili	M	Senior Lecturer	MD (UDSM), PhD (Karolinska)
200.	G.N. Kiwango	M	Assistant Lecturer	MD (KCMCo), MSc (MUHAS)
201.	E.P. Kisali	F	Assistant Lecturer	MD (MUHAS), MSc (Edinburgh)
202.	I.C. Muzokolo	F	Tutorial Assistant	MD (MUHAS)

SCHOOL OF PHARMACY					
Clinical Pharmacy and Pharmacology					
203.	A.I. Marealle	M	Lecturer and Head	BPharm (MUHAS), MSc (MUHAS), PhD	
204.	A.A.R. Kamuhabwa	M	Professor	BPharm (UDSM), Mpharm Sc, PhD (KU	
205.	O.M. Minzi	M	Professor	MSc Pharm (Pyatigorsk), MSc (VUB-Vrije, Brussels), PhD (UDSM)	
206.	R.F. Mutagonda	F	Senior Lecturer	BPharm, MSc (MUHAS), PhD	
207.	*H.J. Mlyuka	M	Assistant Lecturer	BPharm, MPharm (MUHAS)	
208.	W.P. Mikomangwa	M	Assistant Lecturer	BPharm (MUHAS), MSc (MUHAS)	

209.	K.E. Manase	M	Assistant Lecturer	BPharm (MUHAS), MSc (MUHAS)
210.	W.A. Kibanga	F	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
211.	*M.A. Manguzu	M	Assistant Lecturer	BPharm (MUHAS), MSc (UK)
212.	*E.B. Deogratias	M	Tutorial Assistant	BPharm (MUHAS)

Pharmaceutical Microbiology

213.	L. Mwita	F	Lecturer and Head	BSc Biotech (UDSM), PhD (Pretoria, SA)
214.	K.D. Mwambete	M	Professor	MSc Pharm (Havana), PhD (Madrid)
215.	R.Z. Sangeda	M	Professor	BPharm (India), MSc (Jomo Kenyatta Univ.), MPharm Sc, PhD (KU Leuven)
216.	D.S. Mloka	F	Associate Professor	BSc, MSc, (London), PhD (MUHAS)
217.	G.M. Bwire	M	Lecturer	BSc Hons. (UDSM), MSc (MUHAS), PhD (KU Leuven)
218.	*F.M. Felix	F	Assistant Lecturer	BPharm (MUHAS), MSc (China Pharmaceutical University)
219.	*T.L. Mbilinyi	F	Tutorial Assistant	BPharm (MUHAS)
220.	*H.H. Ntissi	M	Tutorial Assistant	BPharm (MUHAS)

Pharmacognosy

221.	R.L. Mwakalukwa	M	Lecturer and Head	BPharm (MUHAS), MPharm (MUHAS), PhD
222.	*G.L. Sambayi	M	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
223.	*M.D. Lugoba	M	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)

224.	J.K. Costantine	F	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
225.	C.J. Shonyella	F	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
226.	*B.E. Mkinga	M	Tutorial Assistant	BPharm (MUHAS)
227.	*S.M. Sagamiko	F	Tutorial Assistant	BSc (UDSM)
Medicinal Chemistry				
228.	V.P. Manyanga	F	Senior Lecturer and Head	BPharm (UDSM), MPharmSc,
229.	E.A. Kaale	M	Professor	BPharm (UDSM), MPharm Sc, PhD (KULeuven, Belgium), PGD- M&E
230.	J.J. Sempombe	M	Senior Lecturer	BSc Edu. (UDSM), MSc Chem (UDSM), PhD (New Mexico)
231.	N. Nyakirang'ani	M	Lecturer	BSc. Chem. (Wiscosin – Whitewater), PhD (Wisconsin-
232.	N.E. Masota	M	Lecturer	BPharm (MUHAS), MSc (MUHAS), PhD
233.	*I.J. Daniel	M	Assistant Lecturer	BPharm (MUHAS), MSc (MUHAS)
234.	*P.M. Makoye	M	Assistant Lecturer	BPharm (MUHAS), MSc (MUHAS)
235.	*G.G. Nyondo	M	Assistant Lecturer	BPharm (MUHAS), MSc (Bradford, UK)
236.	*Y.E. Maswaswa	M	Research Fellow Trainee	BSc Chem (UDOM)
237.	*E.R. Yondu	M	Tutorial Assistant	BPharm (MUHAS)

Pharmaceutics and Pharmacy Practice

238.	E.M. Mlugu	M	Senior Lecturer and Head	BPharm (MUHAS) MPharm (MUHAS), PhD
239	B.A. Maganda	F	Senior Lecturer	BPharm (UDSM), MSc (Bradford), PhD (MUHAS)
240.	D.P. Wande	M	Lecturer	BPharm (UDSM), MSc (Ireland), PhD (China Pharmaceutical
241.	*V.B. Mbuya	M	Assistant Lecturer	BPharm, MSc (JSS College of Pharmacy, Mysuru Karnataka India)
241.	A.T. Chamani	F	Assistant Lecturer	BPharm (MUHAS) MSc Pharmaceutical Management (MUHAS)
242.	*J. Ayubu	M	Assistant Lecturer	BPharm (MUHAS), MPharm (MUHAS)
243.	*D.T. Myemba	M	Assistant Lecturer	BPharm (MUHAS),
234.	B.G. Aiko	F	Assistant Lecturer	BPharm (MUHAS), MSc Pharmaceutical Management
245.	C.G. Munisi	M	Assistant Lecturer	BPharm (MUHAS), MPH (Bergen, Norway)
246.	E.G. Philipo	M	Tutorial Assistant	BPharm (MUHAS)
247.	C. Mwaipopo	F	Tutorial Assistant	BPharm (MUHAS)
248.	N. Karoli	F	Tutorial Assistant	BPharm (MUHAS)

SCHOOL OF DENTISTRY

Oral and Maxillofacial Surgery

249.	P.J. Laizer	M	Lecturer and Head	DDS, MDENT-OMFS (MUHAS)
250.	J.R. Moshly	M	Senior Lecturer	DDS (UDSM), MDS-OMFS (Nairobi)
251.	S.S. Owibingire	M	Senior Lecturer	DDS (MUHAS), MDent -OMFS (MUHAS)
252.	D.K. Deoglas	M	Lecturer	DDS, MDENT-OMFS (MUHAS)
253.	S.E.Sewangi	M	Tutorial Assistant	DDS (MUHAS)

Orthodontics, Paedodontics and Community Dentistry

254	S.M. Abubakary	F	Lecturer and Head	DDS, MDENT – Paed Dent (MUHAS)
255	F.M. Machibya	M	Senior Lecturer	DDS (UDSM), DGH (Tampere), MCL Dent Orthod (Jilin), PhD (Fujian Medical University)
256	H.S. Mbawala	F	Senior Lecturer	DDS (UDSM), DGH (Tampere), PhD (Bergen)
257	M.M. Mlangwa	F	Senior Lecturer	DDS (UDSM), MPhil (Bergen), PhD (Bergen)
258	K.K. Nyamuryekung'e	M	Senior Lecturer	DDS (MUHAS), MPhil (Bergen), PhD (Turku)
259	E.L. Daniel	M	Lecturer	DDS, MDent – orthodontics (MUHAS)
260	F.G. Kitali	M	Tutorial Assistant	DDS (MUHAS)

261	M.H. Mrisho	M	Tutorial Assistant	DDS (MUHAS)
262	A.A. Msaki	M	Tutorial Assistant	DDS (MUHAS)
263	D.R. Chemli	M	Tutorial Assistant	DDS (MUHAS)
264	S.M. Sabasaba	F	Tutorial Assistant	DDS (MUHAS)

Restorative Dentistry

265.	L.E. Mkonyi	F	Lecturer and Head	DDS (UDSM), PhD (Bergen)
266.	L.C. Carneiro	F	Senior Lecturer	DDS (UDSM), MSc, PhD (Pretoria)
267.	I.K. Minja	F	Associate Professor	DDS (UDSM), MPhil (Bergen), PhD (Bergen)
268.	E. Mulyahela	M	Lecturer	DDS, MDent – restorative Dentistry (MUHAS)
269.	M.J. Lusinde	F	Lecturer	DDS, MDent – restorative Dentistry (MUHAS)
270.	T.S. Ndekero	M	Lecturer	DDS (UDSM), MDent (MUHAS)
271.	F.C. Eligi	F	Tutorial Assistant	DDS (MUHAS)
272.	J.E. Mamboleo	M	Tutorial Assistant	DDS (MUHAS)

SCHOOL OF NURSING

Midwifery, Child, and Reproductive Health

273	S.E. Mushy	F	Senior Lecturer and Head	BSc. N (MUHAS), MSc. MW&WH (Makerere), PhD (SLIU, Tokyo)
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274.	B.E. Mwilike	F	Lecturer	BSc. N (MUHAS), MSc MW&WH (Makerere), PhD. (SLIU-Tokyo).
275.	A.F. Massae	F	Lecturer	BSc. N (MUHAS), MSc MW&WH (Makerere), PhD (Uppsala, Sweden)
276.	D.L. Mwakowongo	F	Assistant Lecturer	BSc. MW (MUHAS), MSc MW&WH (MUHAS), PhD (SLIU,
277.	A.A. Lyimo	M	Assistant Lecturer	BSc. MW (MUHAS), MSc (Central South, China)
278.	*A.J. Nyaruchary	M	Assistant Lecturer	BSc. N (KCMC), MSc- MW&WH (MUHAS)
279.	*V.Z. Chikwala	M	Assistant Lecturer	BSc. MW (MUHAS), MSc-MW&WH (MUHAS)
280.	H. Lilenga	M	Assistant Lecturer	BSc. N (MUHAS), MSc. NN (SMU, China)
281.	*R.R. John	M	Tutorial Assistant	BSc. MW (MUHAS)
282.	*N.T. Mbwambo	F	Tutorial Assistant	BSc. N (MUHAS)
283.	*A.P. Banda	F	Tutorial Assistant	BSc. MW (MUHAS)
Clinical Nursing				
284.	M.L. Ndile	M	Lecturer and Head	BSc. N (UDSM), MScN- Critical Care (MUHAS), PhD (Umea)
285.	D.A. Mkoka	M	Lecturer	BSc. N (UDSM), MSc (MUHAS), PhD (MUHAS)
286.	J.A. Seme	M	Senior Lecturer	BSc. N (UDSM), MScN- Mental Health (MUHAS), PhD
287.	M.K. Iseselo	M	Lecturer	BSc. N (UDSM), MSc, PhD (MUHAS)
288.	F.B. Ramadhani	F	Lecturer	BSc.N (UDSM), MSc (MUHAS), PhD (China)
289..	E.T. Mwakanyanga	F	Assistant Lecturer	BSc.N (Agakhan), MSc (MUHAS)
290.	*G.G. Lukumay	M	Assistant Lecturer	BSc. N (MUHAS), MSc (MUHAS)
291.	*S.S. Sanga	F	Assistant Lecturer	BSc.N (Agakhan), MSc (MUHAS)

292.	S.E. Kisakeni	M	Assistant Lecturer	BSc.N (MUHAS), MScN-Critical Care (MUHAS)
293.	*Z.M. Zahir	F	Assistant Lecturer	BSc.N (Manipal), MSc (MUHAS)
294..	*N.A. Michael	M	Assistant Lecturer	BSc.N (MUHAS), MSc (China)
295..	S.E. Buluba	F	Assistant Lecturer	BSc.N (MUHAS), MSc-Critical Care (FJMU China)
296.	E.I. Sumari	M	Assistant Lecturer	BSc.N (MUHAS) MScN (Xiang Ya, China)
297.	K. Athumani	M	Assistant Lecturer	BSc. N, MSc. Oncology (MUHAS)
298.	P.M. Temba	M	Assistant Lecturer	BSc.N (MUHAS), MScN-Nephrology (MUHAS)
299.	*B.T. Mgala	M	Tutorial Assistant	BSc.N (MUHAS)
300.	*D.A. Ngayonga	M	Tutorial Assistant	BSc.N (MUHAS)
301.	*D.T. Amnaay	M	Tutorial Assistant	BSc.N (MUHAS)
302.	*L.M. Gido	M	Tutorial Assistant	BSc.N (MUHAS)
303.	E. Chona	M	Tutorial Assistant	BSc.N (MUHAS)
Nursing Education and Management				
304.	K.Y. Malima	F	Lecturer and Head	BSc.N (UDSM), Mphil (Bergen), PhD (Bergen)
305.	L.T. Mselle	F	Professor	RN, RM, Dipl. Ned (Dar), ADNE, BA Sociology (UDSM), Mphil HP (Bergen), PhD (MUHAS)
306.	B.M. Morris	M	Assistant Lecturer	BSc. N (MUHAS), MBE (PENN)
307.	E.M. Tarimo	F	Associate Professor,	BSc. N (UDSM), Mphil (Bergen), PhD (Karolinska)
308.	R.H. Kiangi	M	Lecturer	BSc.N (UDSM), MSc. Nutrition (SUA), PhD (MUHAS)

309.	N.E. Mawi	F	Assistant Lecturer	BSc. N (MUHAS), MSc. (FJMU - China)
310	*Y.D. Lulay	M	Tutorial Assistant	BSc. N (MUHAS)
311.	*V.F. Mgoji	F	Tutorial Assistant	BSc. N (MUHAS)
312.	*S.L. Kigoda	F	Tutorial Assistant	BSc. N (UDOM)
313.	I.M. Kajembula	M	Tutorial Assistant	BSc. N (MUHAS)

SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

Community Health

314.	H.A. Mruma	M	Lecturer and Head	MD (UDSM), MPH (MUHAS), PhD
315.	B. F. Sunguya	M	Professor	MD (UDSM), MSc, PhD (Tokyo)
316.	M.A. Amour	F	Senior Lecturer	MD (MUHAS), MPH (Dartmouth) MMed (MUHAS)
317.	N. Bundala	F	Lecturer	BSc Human Nutrition (SUA),
318.	S.M. Bakar	F	Assistant Lecturer	BSc (SUA), MSc (Michigan State)

319.	K.A. Makbel	F	Assistant Lecturer	BSc, MSc, Human Nutrition (SUA), MSc.
320.	I.R. Ndaile	M	Research Fellow Trainee	MD (MUHAS), MSc.
321.	A.I. Anatoli	M	Tutorial Assistant	BSc, Human Nutrition (SUA),

Parasitology and Medical Entomology

322..	*D.D. Mutemi	F	Lecturer and Head	BSc (UDSM), MSc PE (MUHAS)
323.	B.E. Ngassala	M	Professor	MD (UDSM), PhD (Karolinska)
324.	T.D. Makene	F	Assistant Lecturer	BSc (UDSM), MSc (UDSM)
325.	*V.I. Mushi	F	Assistant Lecturer	BSc (UDSM), MSc. TDC (MUHAS)
326.	H.J. Omary	F	Assistant Lecturer	BSc (UDSM), MSc. TDC (MUHAS)
327.	M.C. Shabani	F	Assistant Lecturer	MD (HKMU), MSc. TDC (MUHAS)
328.	A.R. Paschal	M	Tutorial Assistant	BMLS (MUHAS)
329.	Y.M. Athuman	M	Tutorial Assistant	BMLS (MUHAS)
330.	*H.A. Palilo	M	Tutorial Assistant	MD (MUHAS)

Epidemiology and Biostatistics

331.	*M.M. Mizindikio	M	Assistant Lecturer and Head	MD (MUHAS), MPH (BOSTON)
332.	C.S. Moshiri	F	Senior Lecturer	BSc (UDSM), MSc (London), PhD (Bergen)

333.	F. Sukums	M	Senior Lecturer	BSc Comp Sci (UDSM), MSc
334.	T.A. Ottaru	M	Lecturer	MD (MUHAS), MSc Epi. (Antwerpen), PhD
335.	*H.A. Paulo	F	Assistant Lecturer	BSc (UDOM) BSc
336.	E.M. Bukundi	M	Assistant Lecturer	BPARM (S. John), MSc
337.	J. L Mbuke	F	Assistant Lecturer	BSc. IT (IFM), M. Eng in Computer Applied
338.	J.V. Mbishi	F	Tutorial Assistant	BSc (Mzumbe)
339.	*E.A. Mboya	M	Research Fellow Trainee	MD (MUHAS)
340.	D.E. Amani	M	Research Fellow Trainee	MD (MUHAS)
341.	S.Y. Chombo	M	Assistant	BSc. (Mzumbe), MSc. SLA
342.	M.R. Muya	F	Tutorial Assistant	BSc. (Mzumbe)
343.	*E. Kibangu	F	Tutorial Assistant	MD (MUHAS)

Behavioral Sciences

344.	E. Metta	F	Associate Professor and Head	BA, MA (UDSM), PhD (Groningen)
345.	D.C. Kakoko	M	Associate Professor	BEd, MA (UDSM), PhD (Bergen)
346.	M.J. Ezekiel	M	Senior Lecturer	BA, MA (UDSM), PhD (Oslo)
347.	I.H. Mosha	F	Associate Professor	BA, MA (UDSM), PhD (Nijmegen)
348.	H.P. Saronga	F	Senior Lecturer	BA, MA (UDSM), PhD (Heidelberg)

349.	*W.O. Akyoo	F	Assistant Lecturer	BA (UDSM), MSc (MUHAS)
350.	*F.C. Kiondo	F	Assistant Lecturer	Bed, MA (UDSM)
351.	*B.S. Rhobi	F	Tutorial Assistant	BSW (Institute of Social Work, DSM)
352.	P. C. Mahere	M	Tutorial Assistant	BA (UDSM)
Environmental and Occupational Health Sciences				
353.	I.P. Nyarubeli	M	Lecturer and Head	BSc (MUHAS), MSc (MUHAS), PhD (Bergen)
354.	E.J. Mrema	M	Senior Lecturer	BSc, MSc (UDSM), PhD (Milano)
355.	H.H. Mwanga	M	Senior Lecturer	MD (UDSM), MMED (Cape Town), FCPHM (SA) Occ Med (Cape Town), PhD (Cape Town)
356.	H.L. Mohamedi	M	Senior Lecturer	BSc EHS, MSc (UDSM), PhD (ARU)
357.	J.S. Mlimbila	F	Lecturer	BSc (SUA), MSc (Wageningen) PhD (UDSM)
358.	G.H. Sakwari	F	Lecturer	BSc EHS (UDSM), MSc. (Bergen), PhD (Bergen)
359.	S.S. Kinshihi	M	Lecturer	BSc. (SUA), MSc. EncSc (Jackson State), PhD (Jackson State)
360.	J.S. Bachwenkizi	M	Lecturer	BSc (ARDHI Unv), MSc (IHE DELFT, The Netherlands), PhD (Fudan University)

361.	Z.I. Kimera	F	Lecturer	BSc (SUA), MSc (SUA), PhD (MUHAS)
362.	D.L. Rweyemamu	M	Lecturer	BSc. EE. (UDSM), MSc. (UDSM) PhD (Lincoln)
363.	*L.P. Mwelange	M	Assistant Lecturer	BSc (MUHAS), MSc (MUHAS)
364.	*M. Shao	F	Assistant Lecturer	BSc (ARU), MSc (UDSM)
365.	* W.J. Axwesso	F	Assistant Lecturer	BSc (SUA), MSc (MUHAS)
367.	*S.S. Salehe	M	Assistant Lecturer	BSc EHS (MUHAS), MPH (UK), MSc (USA)
368.	*W.N. Mwakalasya	M	Assistant Lecturer	BSc (MUHAS), MSc (Chongqing Medical University)
369.	*S.K. Shaban	F	Assistant Lecturer	BSc.(UDSM), MSc (MUHAS)
370.	*E.J. Nhangano	F	Assistant Lecturer	BSc.(UDSM), MA (MUHAS)
371.	I.H. Mapande	M	Assistant Lecturer	BSc. (MUHAS), MSc (AIT-
372.	E.M. Protas	M	Assistant Lecturer	BSc. (MUHAS), MSc. (MUHAS)
373.	A.C. Alfred	F	Tutorial Assistant	BSc. (MUHAS)

Bioethics and Health Professionalism

374.	G. K. Pancras	M	Lecturer and Head	MBB(UDSM), MBE PhD (MUHAS)
376.	R.S. Joseph	F	Senior Lecturer	MD (UDSM), MMED (Paed) (MUHAS), MBE (Upenn), PhD (MUHAS)

377.	*J.E. Shayo	F	Assistant Lecturer	BSc.N (UDSM), MA-HPM (MUHAS), MBE (Upenn)
378.	*R. Athanas	M	Assistant Lecturer	Dip -PHIL(Nairobi), BA-THEO (JUCO), MBE (MUHAS)
380.	R.E. Rabachi	F	Assistant Lecturer	LLB (Mzumbe), Pg. Dip (Legal Practice) (LST) MBE (MUHAS)
381.	*L.A. Haule	M	Assistant Lecturer	BSc Public Health (MMU-Uganda), MBE (MUHAS)
382.	F.M. Lyimo	F	Assistant Lecturer	B Phil ED (SAUT-MWANZA) MBE (MUHAS)
383.	R.M. Mosha	M	Assistant Lecturer	BA Phil. (JUCO) MBE (MUHAS)
384.	J.E. Lukwaro	M	Assistant Lecturer	LLB (Mzumbe), LLM , (Mzumbe)
385.	*A.A. Jengo	M	Tutorial Assistant	LLB (RUCO)
Development Studies				
386.	M.M. Tungu	M	Lecturer and Head	BA, MA (UDSM), PhD (MUHAS)
387.	G.F. Msoffe	M	Professor	BA, MA (UDSM), PhD (Umea)
388.	T.M. Nyamhanga	M	Associate Professor	BSc (N), MA (UDSM), PhD (MUHAS)

389.	G.M. Ruhago	M	Associate Professor	Bsc.EHS, MA (MUHAS), PhD (Bergen)
390.	N.S. Sirili	M	Associate Professor	MD, MSc (MUHAS), PhD (Umea)
391.	A. Anacli	M	Senior Lecturer	BSc, MA (UDSM), PhD (Aarhus)
392.	G.R. Mahiti	F	Senior Lecturer	BSc, MA(SUA), PhD (MUHAS)

393.	A. Kagaigai	F	Lecturer	BA, MA (UDSM), PhD (Oslo)
394.	P. Luoga	M	Assistant Lecturer	BHSM (Mzumbe), MSc (MUHAS)
395.	*N.A. Tesha	M	Assistant Lecturer	BA, MA (UDSM)
396.	*F.A. Ngowi	M	Assistant Lecturer	BA, MA (UDSM)
397.	*T.P. Ruwaichi	M	Assistant Lecturer	BA (Ardhi University), MBA (UDSM)
398.	*L.P. Simon	F	Assistant Lecturer	MD (MUHAS), MSc (London)
399.	*E.S. Nyangi	M	Assistant Lecturer	BA (UDSM), MA (Pandit Deendayal Energy University, Gujarat, India)
400.	*R.D. Mkumbwa	F	Assistant Lecturer	BDHRPM (IRDP), MSc (MUHAS)
401.	*E.P. Mwasanga	F	Tutorial Assistant	BSc Sociology (Landmark University) Nigeria
402.	*M.P. Mpanga	M	Tutorial Assistant	BAPSPA (UDSM)
403.	*Y.T. Bukagu	M	Tutorial Assistant	BA Sociology (UDSM)
404.	*N.P. Massawe	M	Tutorial Assistant	BA Social Work (ISW)
405.	*R.N. Tibuhinda	F	Tutorial Assistant	BSc Economics, Policy and Planning (Mzumbe University)

INSTITUTE OF TRADITIONAL MEDICINE

Biological and Pre-Clinical Studies

406.	J.M. Thomas	M	Lecturer and Head	BSc (SUA), MSc (Univ Basel), PhD (UDSM)
407.	E.M. Innocent	F	Associate Research Professor	BSc, MSc (Chem.) PhD (UDSM)
408.	R.S. Nondo	M	Senior Research Fellow	BPharm (UDSM), MSc Pharmacology (France), PhD (MUHAS)

409.	P.J. Masimba	M	Senior Research	BVM, MSc (SUA), PhD (Univ Basel)
410.	*B.C. Mwita	M	Assistant Research	BSc (SUA), MSc (MUHAS)
411.	*M.J. Shayo	F	Assistant Research	BSc, MSc (SUA)
412.	*C. Mwinuka	M	Research Fellow Trainee	MD (MUHAS)
413.	*A.N. Kavuraya	F	Research Fellow Trainee	BSc Medical Laboratory Science (MUHAS)
414.	D.C. Rugabandana	M	Research Fellow Trainee	BPharm (MUHAS)

Natural Products Development and Formulation

415.	B.S. Ndiege	M	Research Fellow and Head	BSc Chem (UDSM), MSc Trad Med Dev (MUHAS), PhD
416.	F.K. Machumi	M	Senior Research Fellow	BSc. Educ (UDSM), MSc Chem (Botswana); PhD (UoNBI)
417.	D.L. Credo	M	Research Fellow	BSc (UDSM), MSc Trad Med Dev (MUHAS), PhD (SUA)
418.	M.N. Mbunde	M	Research Fellow	BSc, MSc (SUA), PhD (MUHAS)
419.	M. Qwarse	M	Research Fellow	Dipl. Educ, BSc (Ed), MSc Chem (OUT), PhD (MUHAS)
420.	M.C. Berege	M	Assistant Research Fellow	BSc Chemistry (UDOM), MSc Trad Med Dev (MUHAS)

421.	*F.B. Sanga	F	Research Fellow Trainee	BPharm (CTU, India)
422.	*D.A. Mtafya	M	Research Fellow Trainee	BSc. Chem (UDSM)
423.	N.M. Salvatory	M	Research Fellow Trainee	BPharm (MUHAS)
Medical Botany, Plant Breeding and Agronomy				
424.	S.A. Abihudi	F	Research Fellow and Head	BSc (Makerere), MSc (MUHAS), PhD (NM-AIST)
425.	J.N. Otieno	M	Associate Research Professor	BSc, MSc (SUA), PhD (UDSM)
426.	A. Mwijage	M	Research Fellow	BSc, MSc Sociology & Anthropology (UDSM), PhD (MUHAS)
427.	*S. Hilonga	M	Assistant Research Fellow	BSc Botanical Sci (UDSM), MSc Ethnobotany and
428.	*M.T. Mwakilasa	F	Assistant Research Fellow	BA Sociology (UDSM), MSc Marketing (MUDCo), MSc
429.	*B.E. Msigwa	M	Assistant Research Fellow	BSc in Botanical Sciences, MSc Climate and Sustainable
430.	D.P. Kokwijuka	F	Assistant Research Fellow	BSc. MBB (UDSM), MSc Ethnobotany and Molecular Plant
431.	*S.C. Mganga	F	Research Fellow	BSc Botanical sciences (UDSM)

DIRECTORATE OF LIBRARY SERVICES

432.	R.C. Mallya	F	Senior Librarian, Director	BEd (UDSM), MA Information Studies (UDSM), MBE (MUHAS), PhD Information
433.	A.S. Mcharazo	M	Associate Professor	Diploma (SLADS, Bagamoyo), BA (Thames Valley University), MA (Thames Valley University), PhD (University of West
434.	S.E. Msonde	M	Senior Librarian and Head of Technical Service, Research and Training Section	Dipl. In Education (Klerruu), BSc. Agric Gen (SUA), MA Information Studies (UDSM), PhD Information Tech. in Education (Hong Kong)
435.	R.T. Mushi	F	Librarian and Head, Periodicals Section	Dip. (SLADS), BA Information Science (Zululand), MSc. Information Studies (KwaZulu-Natal), PhD Information System &

436.	B.E. Sengo	M	Assistant Librarian and Head, Library ICT-Section	BSc. Informatics (SUA), MSc. Computer and IT Systems Engineering (UDSM)
437.	L.S. Kanyuma	F	Assistant Librarian	BA Information Studies (UDSM), MA Library Information System (Tumaini)
438.	V.C. Mwalyego	M	Assistant Librarian and Head Training Unit	BSc. Library Information Science (Makerere), MA Information Technology (Pretoria)
439.	D.M. Sabas	M	Assistant Librarian	BEd. Education Psychology (UDOM), MA Information Studies (UDSM)
440.	W.J. Mviombo	M	Assistant Librarian and Head of E- resources Section	BA Library Information Studies (Tumaini), PGD (UDSM) MA Information Studies (UDSM)

441.	R.A. Chamvanga	F	Assistant Librarian	BA Library and Information Studies, MA Information Studies (UDSM)
442.	N.L. Maluka	F	Assistant Librarian	Dip. Library Information Systems (SUA), BSc. Library Information Management (Mzumbe), M.A Information Studies (UDSM)
443.	B. Orgenes	M	Assistant Librarian Trainee	BA Library and Information Management (Mzumbe)
444.	S. Kassim	F	Assistant Librarian Trainee	BSc Library Information Management (Mzumbe)

* On study leave

**DIRECTORATE OF INFORMATION, COMMUNICATION AND
TECHNOLOGY**

1	M.S. Rubibi	M	B. Sc. Computer Science, MSc. IT and Management	Director of ICT
2	S. Makatta	F	Diploma in Secretarial Studies	MMO I
3	S.D. Adam	F	Standard Seven	Office Attendant
4	M.L. Gama	M	B. Sc. Electronics Sciences and Communication, M. Sc Data Communication	Principal ICTO I
5	S.M. Kinyogoli	F	B. Sc. Computer Science, M. Sc. Information Systems	Principal ICTO I
6	S.S. Amsi	M	B. Sc. Computer Science, M. Sc Health Information Management	Senior ICT O I
7	R.B. Chaula	F	B. Sc. Computer Science with Statistics, M. Sc in Data Science	Senior ICT O I
8	A.M. Katemi	M	Advanced Diploma in Information Technology	Senior ICT O I

9	H.Y. Sengo	M	B. Sc. Information System	Senior ICT O I
10	E. Jeremani	M	B. Sc. Computer Engineering	Senior ICT O I
11	J. Rumondo	M	Diploma in Telecommunication	Senior OT I
12	A.Chamwali	F	B. Sc. Computer Science	ICTO I
13	R. Mohamed	M	B. Sc Computer Science	eLearning Officer
14	L.V. Mroso	M	B. Sc. Computer Science	ICTO I
15	M.J. Shoo	M	Diploma in Computer Science	Assistant ICTO II

S/N	Name	Sex	Academic Rank	Qualifications
School of Hygiene – Muhimbili				
1	M. A. Khamis	F	Head Tutor	BSc EH (SUZA), MSC EHO (MUHAS)
2	M. A. Bakar	M	Tutor	BSc EH (SUZA), MSc Microbiology and Immunology (MUHAS)
3	*R. E. Tweve	M	Tutor	DEHS (MUHAS)
4	N. J. Nkona	M	Tutor	Bsc EH (MUHAS)
5.	A.K. Mlengule	M	Tutor	BSc EH (MUHAS)

6.	D. Bazili	M	Tutor	BSc. EH (MUHAS)
7.	A. Msakati	F	Tutor	BSc EH (SUZA)
School of Radiography				
8	S.N. Kaale	M	Senior Tutor, and Head	DDR (MUHAS), B.Tech, MSc Radiotherapy (SA), Cert. Teaching methodology (MUHAS)
9	C. E. Malika	F	Senior Tutor and Head	DDR (UDSM), Dip in HPed (CEDHA), BSc & MSc Ultrasound (Uganda), Cert. in Med. Ultrasound (Fonty's, Holland), Cert. In optimization of Diagnostic Radiography (Brussels, Belgium), Cert Mammography (Salt Lake City, USA)
10	C. E Tairo	M	Tutor	DDR (MUHAS) Cert. Teaching methodology (MUHAS)
11	**A.M. Anad	M	Tutor II	DDR (MUHAS), BMI (Uganda), Cert in Teaching Methodology (MUHAS)
12	N.A. Karugila	M	Tutor	BSc MI (ECUREI) , Cert in Teaching Methodology (CEDHA)
13	M.S. Japhary	F	Senior Tutor	MD (MUHAS)
14	E. R. Chacha	M	Tutor	BSc MRIT (India)
15	B. Othman	F	Tutor	DDR (MUHAS), BSc Rad (JKUAT)

* On study leave

INSTITUTE OF ALLIED HEALTH SCIENCES

Regional Dermatology Training Centre				
16	D. R. Mavura	M	Associate Professor and Head	MD (Cuba), MMed (KCMUCo)
17	E. J. Massenga	M	Associate Professor	MD (UDSM), MMed. Dermatovenereology (Berlin), MPhil. (Bergen)
18	H. Grossmann	M	Associate Professor	MD, MMed Dermatovenereology, Dip. in Trop. Med. Parasite, Spec. Degree Trop. Med. (Hamburg)
19	J.A. Mshana	M	Lecture	MD (Russia) MMed (Russia)
20	L.C. Kini	F	Lecturer	MD(KCMUCo), MMed (KCMUCo)
21	D.	F	Lecturer	MD(Burundi),MMed (KCMUCo)
22	R.N. Philemon	M	Associate	MD(KCMUCo), MMed (KCMUCo)
23	J.S Ngocho	M	Lecturer	MD(KCMUCo), Msc Clin research (KCMUCo), Msc Epidemiology and Biostatistics (KCMUCo)
24	A.E. Naburi	M	Lecturer	Adv. Dip. in Dermatovenereology (RDTC-KCMC), MPH (KCMUCo)
25	R. Machare	F	Lecturer	BSc. Pharmacy (India), MPH (Liverpool University - UK)
26	H.O. Msuya	M	Lecturer	MD (KCMUCo), MMed (KCMUCo)
Tanzania Training Centre for Orthopaedic Technologists				
27	D. G. Shirima		Senior Tutor and Head	BSc P&O (KCMUCO)

28	V. T. Mwaiiande	F	Tutor, Academic Officer	MIS (OSLO University) BScO (KCMUCo), DOT (UDSM)
29	E. Kasegezya	M	Senior Tutor	DOT (UDSM), BSc P&O (KCMUCO)
30	B. G. Moshi	M	Tutor	DOT (UDSM), BSc P&O (KCMUCO)
31	E. A. Mlay	F	Tutor	BSc P&O (KCMUCO)
32	E. L Malisa	F	Tutor	DOT (MUHAS), BSc P&O (KCMUCO)
33	K. Rwegoshora	M	Tutor	BSc P&O (KCMUCO)
34	S.F. Saria	M	Tutor	BSc P&O (KCMUCO)
35	A. R Kijori	F	Assistant Tutor	DOT (UDSM)
36	B. Kale	M	Tutor	BSc P&O (KCMUCO)
37	M. Majenzi	M	Tutor	BSc P&O (KCMUCO)
38	J. Msyani	M	Tutor	BSc P&O (KCMUCO)

*On study Leave

**On Leave without pay

9.2 LIST OF ADJUNCT / VISITING PROFESSORS, HONORARY, AND PART-TIME STAFF AT MUHAS

S/N	Name	Sex	Academic Rank	Qualifications
CAMPUS COLLEGE OF MEDICINE				
SCHOOL OF CLINICAL MEDICINE				
Anaesthesiology				
1.	M. Ulisubisya	M	Honorary Lecturer	MD, MMed (UDSM), FCTA (India) MBA (Mzumbe)
2.	M. Mbanga	M	Honorary Senior Lecturer	MD, MMed (UDSM)
3.	R. Boniface	M	Honorary Senior Lecturer	MD, MMed (UDSM), MSc (SA)
4.	K. Khalid	M	Honorary Lecturer	MD (Marmara), MMed (MUHAS)
5.	A.A. Ross	F	Honorary Lecturer	MD (Cuba) MMed (UDSM)
6.	A. Ulimali	M	Honorary Lecturer	MD (UDSM), MMed (MUHAS)
7.	S. Laxman	M	Honorary Lecturer	MD (UDSM) MMed (MUHAS)
8.	M. Msimbe	F	Honorary Lecturer	MD(MUCHS) MMed(MUHAS)
9.	R. Oyugi	M	Honorary Lecturer	MD, MMed (MUHAS)
Emergency Medicine				
10.	J. Mfinanaga	M	Honorary Lecturer	MD, MMed (MUHAS)
11.	I. B. Kulola	F	Honorary Lecturer	MD, MMed (MUHAS)
12.	R. Tarimo	M	Honorary Lecturer	MD, MMed (MUHAS)

13.	M. M. Biita	M	Honorary Lecturer	MD, MMed (MUHAS)
14.	C. Shari	F	Honorary Lecturer	MD, MMed (MUHAS)
15.	E. Noste	F	Honorary Lecturer	MD (UC-Davis), ABEM (USA)
16.	E. Sangey	M	Honorary Lecturer	MD, MMed (MUHAS)
17.	W. Kaihula	F	Honorary Lecturer	MD, MMed (MUHAS)
18.	P. Shao	M	Honorary Lecturer	MD, MMed (MUHAS)
19.	T. A. Reynolds	F	Adjunct Professor	MD, MSc (UCSF), PhD (Columbia), FACEP (USA)
20.	M. S. Runyon	M	Adjunct Professor	MD (Florida), MPH (UNC), FACEP (USA)
21.	B. L. Murray	F	Adjunct Assistant Professor	MD (Harvard), PEM (Boston, U.S.A)
22.	T.M Baker	M	Honorary Lecturer	MBCbB(UK), PhD Karolinska Institute
23.	M.S. Francis	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)
24.	C. N. Pius	M	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
25.	N.S Alphonse	M	Honorary Lecturer	MD, MMed (MUHAS)
26.	M.H Gimbo	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
27.	R. M. Siaely	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
28.	J.M. Leonard	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)

29.	J.M. Bahati	M	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
30.	A.G. Masuma	F	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
31.	F.A. Abdallah	F	Honorary Lecturer	MD(IMTU),MMED(MUHAS)
32.	T. Gleeson	M	Honorary Lecturer	MD(University of university of Massachusetts), Fellowship in Emergency Ultrasound(University of Massachusetts Medical School, Worcester, MA)
33.	M.K Kiremeji	M	Honorary Lecturer	MD(IMTU),MMED(MUHAS)
34.	N.S. Mtera	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
35.	Moiz Shabbir Adamji	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
36.	Patrick John Shao	M	Honorary Lecturer	MD, MMed (MUHAS)
37.	Nanyori J. Lucumay	F	Honorary Lecturer	MD, MMed (MUHAS)
38.	Geminian Festo Temba	M	Honorary Lecturer	MD, MMed (MUHAS)
39.	Huruma Anyangile Mwasipu	M	Honorary Lecturer	MD(IMTU),MMED(MUHAS)
40	Abel Gervas Ndago	M	Honorary Lecturer	MD, MMed (MUHAS)
41	Asha Juma Iyullu	F	Honorary Lecturer	MD, MMed (MUHAS)
42	Yash Harsukh Dubal	M	Honorary Lecturer	MD, MMed (MUHAS)

43	Abel Nyika	M	Honorary Lecturer	MD, MMed (MUHAS)
44	Frida Shayo	F	Honorary Lecturer	MD, MMed (MUHAS)
45	Winnie K. Mdundo	F	Honorary Lecturer	MD, MMed (MUHAS)
46	Patrick Venance Lumato	M	Honorary Lecturer	MD, MMed (MUHAS)
47	Kilalo Maeli Mjema	M	Honorary Lecturer	MD(CUHAS), MMed(MUHAS)
48	Juma Mfaume Mbugi	M	Honorary Lecturer	MD(MUHAS), MMed,(Chongqing Medical University-CHINA)
49	Irene Aloyce Kindole	F	Honorary Lecturer	MD,(SFUCHAS),MMed(MUHAS)
50	Hassan Riziki	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)
51	Frank Constantine Swai	M	Honorary Lecturer	MD(KCMC), MMed(MUHAS)
52	Ruth Alex Mwita	F	Honorary Lecturer	MD(HKMU), MMed (MUHAS)
Orthopaedic and Traumatology				
Part time				
	R. I. Mhina	M	Senior Lecturer	MD, MMed, MSc (UDSM)
Honorary				
53	K.S. Nungu	M	Honorary Lecturer	MD (Havana), MMed (Uppsalla)

54	A.B. Assey	M	Honorary Lecturer	MD, MMed (MUHAS)
55.	V.M. Lupondo	F	Honorary Lecturer	MD, MMed (MUHAS)
56.	F.S. Mrita	M	Honorary Lecturer	MD, MMed (MUHAS)
57.	J.W. Mwanga	M	Honorary Lecturer	MD MBARARA, MMED MUHAS
58.	B.I. Mcharo	M	Honorary Lecturer	MD, MMed (MUHAS)
59.	F.I. Fabian	M	Honorary Lecturer	MD, MMed (MUHAS)
60.	A.P. Macha	M	Honorary Lecturer	MD MUHAS,MMED KCMC
61	A. Hussein	M	Honorary Lecturer	MD, MMed (MUHAS)
62	M. Kassu	M	Honorary Lecturer	MD, MMed (MUHAS)
63	D.P. Ngunyale	M	Honorary Lecturer	MD, MMed (MUHAS)
64	M.M. Hussein	M	Honorary Lecturer	MD, MMed (MUHAS)
65	M.E. Ngowi	M	Honorary Lecturer	MD MUHAS,MMED KCMC
66	B. Luziba	M	Honorary Lecturer	MD, MMed (MUHAS)
67	W. Mgisha	M	Honorary Lecturer	MD, MMed (MUHAS)
68	S. Issa	M	Honorary Lecturer	MD(NAIROBI) MMed (MUHAS)
69	S.S. Lamtane	M	Honorary Lecturer	MD, MMed (MUHAS)
70	S.K. Hamisi	M	Honorary Lecturer	MD,MUHAS,PhD JAPAN
71	O.W. Kiloloma	M	Honorary Lecturer	MD, MMed,MSSC (MUHAS)

72	N.B. Rutabasibwa	M	Honorary Lecturer	MD, MMed,MSSC (MUHAS)
73	L.L. Mchome	M	Honorary Lecturer	MD, MMed,MSSC (MUHAS)
74	A.A. Kinghomella	M	Honorary Lecturer	MD KCMC, MMED(NAIROBI)MSSC MUHAS
75	Joseph Sabas,	M	Honorary Lecturer	MD,MMED(MUHAS)
76	John M. Mtei	M	Honorary Lecturer	MD,MMED MSSC.(MUHAS)
77	Frank Edward Arabi	M	Honorary Lecturer	MD,MMED(MUHAS)
78	Miraji Raya Kassu	M	Honorary Lecturer	MD,MMED(MUHAS)
79	Maxigama Yesaya Ndossi	M	Honorary Lecturer	MD(KCMC),MMED,MSSC(MUHAS)

Internal Medicine

Part time

80	W. B. P. Matuja	M	Professor	MB ChB (Makerere), MRC (Psych) (UK)
81	E. E. Maro	M	Associate Professor	MD, MMed (UDSM)

Honorary

82.	P. Ruggajo M	M	Honorary Associate Professor	MD (UDSM), MMed, MSc Nephrology (MUHAS), PhD (Bergen), Post Doc (Havard)
83.	R.K. Mutagaywa	M	Honorary Associate Professor	MD (UDSM), MMed, MSc (MUHAS)
86.	M. Rebensten	M	Honorary Associate Professor	MD (West Virginia) MSc
87.	J. Rwegasha	M	Honorary Lecturer	MD (Makerere University) MMed (KENYA)

88.	M. Manji	M	Honorary Lecturer	MD (MUHAS) MSc (MUHAS) MMed (MUHAS)
89.	J. Shoo	M	Honorary Lecturer	
90.	P. Chandrakant	M	Honorary Lecturer	MD (HKMU) MSc (MUHAS)
91.	H. Kimambo	M	Honorary Lecturer	MD (MUHAS) MSc (MUHAS) MMed (MUHAS)
92.	S. Rweyemamu	M	Honorary Lecturer	MD (IMTU) MSc (MUHAS)
93.	K.L. Okeng'o	M	Honorary Lecturer	MD (MUCHS) MSc (MUHAS) MMed (MUHAS)
94.	F. Chiwanga	M	Honorary Lecturer	MD (KCMC) MMed (MUHAS)
95.	G. Rwegere	M	Honorary Lecturer	MD, (UDSM) MMed (MUHAS)
96.	P. Pallangyo	M	Honorary Lecturer	MD (MUHAS) MSc
97.	V. Bamania	F	Honorary Lecturer	MD, (UDSM) MMed (MUHAS)
98	B. Amatya	M	Honorary Lecturer	MD (China) PhD
99	E.F. O. Osati	M	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
100	P.J. Ruggajo	M	Honorary Lecturer	PhD MMed (MUHAS)
102	F. K.Shayo	M	Honorary Lecturer	MD (MUHAS) PhD MMed (MUHAS)
103	J. Geoffrey	F	Honorary Lecturer	MD, MUCHS MSc MUHAS

				MMed MUHAS
Obstetrics and Gynaecology				
Part time				
104	S. N. A. Massawe	F	Associate Professor	MD, MMed (UDSM), Med (Manchester), PhD (Uppsala)
105	C. D. S. Kilewo	M	Associate Professor	MD (Romania), MMed (UDSM), PhD (Karolinska)
106	H. N. Mgaya	M	Professor	MB ChB (EA), MMed (UDSM)
Honorary				
107	C. Hanson	F	Honorary Associate Professor	MD, MSc, MSc SS(JLU University Giessen, Germany)
108	M. Ngarina	F	Honorary Senior Lecturer	MD, MMed (UDSM), PhD (Uppsala)
109	V. Tarimo	M	Honorary Lecturer	MD, MMed (MUHAS)
110	L. Mnabwiru	F	Honorary Lecturer	MD, MMed (MUHAS)
111	H. Mrina	F	Honorary Lecturer	MD, MMed (MUHAS)
112	S. Rashid	F	Honorary Lecturer	MD, MMed (MUHAS)
113	P. Majinge	M	Honorary Lecturer	MD, MMed (MUHAS)
114	M. Shaki	F	Honorary Lecturer	MD, MMed (MUHAS)
115	D. Mvunta	M	Honorary Lecturer	MD, MMed (MUHAS)
116	F. Amiji	F	Honorary Lecturer	MD, MMed (MUHAS)
117	G. Juong	M	Honorary Lecturer	MD, MMed (MUHAS)
118	E. Sawe	F	Honorary	MD, MMed (MUHAS)

			Lecturer	
119	A. Magohe	M	Honorary Lecturer	MD, MMed (MUHAS)
120	Brenda Sequeira D' Mello.	F	Honorary Lecturer	MD,MMED (UDSM),
Ophthalmology				
Part time				
121	M. Mafwiri	F	Associate Professor	MD, MMed (UDSM), MSc (LSTM)
Honorary				
122.	H. Ngogo	M	Honorary Lecturer	BSc (KCMUCo) MSc (MUHAS)
123.	F.P. A. Undender	M	Honorary Lecturer	MD (Universite de Kisangani) MMed (Tumaini University Makumira)
124.	Y. Mtogo	F	Honorary Lecturer	MD, MMed (MUHAS)
125.	A. J. Sanyiwa	F	Honorary Lecturer	MD, MMed (UDSM), MPH (MUHAS), Dip. GH (Finland)
Othorhinolaryngology				
126.	A. Nkya	M	Honorary Lecturer	MD, MMed (MUHAS)
127	E.T. Liyombo	M	Honorary Lecturer	MD, MMed (MUHAS)
128	W.A. Massawe	M	Honorary Lecturer	MD, MMed (MUHAS)
129	S. Issa	M	Honorary Lecturer	MD, MMed (MUHAS)
130	A. Abdulshakoor	M	Honorary Lecturer	MD, MMed (MUHAS)
131.	P.E. Kipiki	M	Honorary	MD, MMed (MUHAS)

			Lecturer	
132.	E.M. Mushi	M	Honorary Lecturer	MD, MMed, MSc (MUHAS)
133.	U.A Said	M	Honorary Lecturer	MD (HKMU), MMed (MUHAS)
134	Vinay Swarnalatha Ngaraj	M	Honorary Professor	BSc in Speech and Hearing Sciences, MSc in Speech and Hearing Sciences(Mysore, India),MPhil Auditory Perception (University of Cambridge), PhD – Speech and Hearing Sciences(University of Mysore, India)
135	Gladys Chepkemoi	F	Honorary Lecturer	Bachelor Degree in Special Needs Education and Counselling (Inclusive), Master of Science in Speech Language Pathology(KENYA)
Paediatrics and Child Health				
136.	C. Duggan	M	Honorary Lecturer	BA (Dartmouth), MD (John Hopkins), MPH (Harvard)
137.	C. R. J. C. Newton	M	Honorary Lecturer	MB ChB, MD (Cape Town), MRCP, FRCPCH (London)
138.	S. Lindemulder	F	Honorary Lecturer	BS (Clavi-USA), MClín Res (Oregon), MD (NU, USA)
139.	M. N. Noorani	F	Honorary Lecturer	M.B ChB (Nairobi), MMed (MUHAS)
140.	G. F. Mallya	M	Honorary Lecturer	MD (KCM College), MMed (MUHAS)
141.	E. Mgelea	M	Honorary Lecturer	MD, MMed (MUHAS)
142.	Z. A. Helga	F	Honorary Lecturer	MD (Germany), MMED (Doctor's Chamber Lower Saxony), MSc. International Health (Germany).
143.	E. S. Majaliwa	F	Honorary Senior Lecturer	MD (MAKERERE), MMED (UDSM), Fellowship in Paed. Endocrinology (European Society of Paediatric Endocrinology)

144.	M. F. Mkony	F	Honorary Lecturer	MD, MMED (MUHAS), Cert. Neonatology (College of Medicine of SA) Mphil (UCT)
145.	S. J. Swanson	M	Honorary Professor	BS (Child Psychology), MD (HARVARD)
146.	Haika K. Mariki	F	Honorary Lecturer	MD, MMED
147.	N. G. Majani	F	Honorary Lecturer	MD (UDSM). MMED (WBUCHS), FCP (ISRAEL)
148.	T. J. Masenge	F	Honorary Lecturer	MD (UDSM), MMED (MUHAS) GastroHep & Nutrition (Stellenbonch, SA)
149.	M. Ali	M	Honorary Lecturer	MD, MPhil, BHSc Epidemiology (Boston)
150.	A. T. Mtoro	M	Honorary Lecturer	MD, MMED
151.	N. P. Mkopi	M	Honorary Lecturer	MD, MMED (MUHAS), PG Dipl. Paed. Critical Care (UCT)
152.	R. D. Moshiro	M	Honorary Senior Lecturer	MD, MMED, (MUHAS) PhD (Stavenger, Norway)
153	Y. A. Aljaidi	M	Honorary Lecturer	MD, MMED
154	R. K. Damji	M	Honorary Lecturer	MD (IMTU), MMED (KCMCo), Fellowship in Paed. Endocrinology (European Society of Paediatric Endocrinology)
155	A. A. Shoo	F	Honorary Lecturer	MD, MMED (MUHAS)
156	F. M. Mussa	F	Honorary Lecturer	MD, MMED (MUHAS)
157	E. K. Godfrey	M	Honorary Lecturer	MD, MMED (MUHAS)
158	Kandi Catherine Muze	F		MD, MMED (UDSM)

159	Evance K. Godfrey	M	Honorary Senior Lecturer	MD, MMED (MUHAS)
160	Naizihijwa G. Majani	F	Honorary Senior Lecturer	MD(MUHAS)MMED(CUHAS),MSC(Telaviv University)
161	Rehema Enock Lyimo	F	Honorary Lecturer	MD(KCMC),MMed(MUHAS), 2022
162	Dotto Aron Luziga	M	Honorary Lecturer	MD(MUHAS),MMED(Alexandria University – Egypt)
163	Aleya Z. Remtula	F	Honorary Lecturer	MD(HKU),MMED(MUHAS),MPhil(Cape Town)
164	Anna F. Magembe,	F	Honorary Lecturer	MD(KCMC),MMED,MSSC(MUHAS)
165	Livin Peter Mumburi	M	Honorary Lecturer	MD,MMED(KCMC)
167	Nana Jacqueline Nakiddu	F	Honorary Lecturer	MBChB,MMED, Fellowship in Paediatric Haematology and Oncology(Makerere)
168	Honest John Kipasika	M	Honorary Lecturer	MD(MUHAS),MSc(Nairobi)
169	Rahim Karim Damji	M	Honorary Lecturer	MD(IMTU),MMED(KCMCO)
170	Theopista Jacob Masenge	F	Honorary Lecturer	MD,MMED(MUHAS)
171	Fatima Mehdi Mussa	F	Honorary Lecturer	MD,MMED(MUHAS)
172	Judith Cosmas Lamosai	F	Honorary Lecturer	MD,MMED(MUHAS), MA in Education and Development in Early Childhood, (University of Haifa)
173	Wende Clarence	F	Honorary Lecturer	BSc in Applied Statistics(Mzumbe University), MSc in Biostatistics, (Hasselt

	Safari			University), PhD in Statistics, (University of a Coruna)
Psychiatry and Clinical Psychology				
174	P. Kaduri	F	Honorary Associate Professor	MD, (UDSM) MMED (MUHAS , MScCH (University of Toronto)
175	J. Mbwambo	F	Honorary Associate Professor	MD(UDSM)Dip Psychiatry (Manchester UK)
176	J.R. Egger	M	Adjunct Professor	Bsc(CHARLESTON),MA(University of Washington) PhD(University of London)
177	J.N. Baumgartner	M	Adjunct Professor	BA(Virginia) Msc(North Carolina) PhD(Wisconsin Madison)
178	A. Heinz	M	Adjunct Professor	MD, (Ruhr Universität Bochum)PhD (Universität Potsdam)
179	L. Kajula	F	Honorary Lecturer	MPhil(University of Bergen), PhD(University of Maastricht)
180	N.S Bahr	F	Adjunct Lecturer	Bsc (FernUniversität Hagen), Msc (Psychologische Hochschule Berlin)
181	F. Masao M	M	Honorary Lecturer	MD (UDSM) MMED (MUHAS)
182	S. Kuganda M	M	Honorary Lecturer	MD (UDSM) MMED(MUHAS)
183	T. Rutayuga M	M	Honorary Lecturer	MD (UDSM) MMED(MUHAS)
184	F. Ngakongwa	F	Honorary Lecturer	MD(UDSM)Mmed(Stellenbosch University) FCPsych(College of Medicine South Africa)
185	H.N. Siril F	F	Honorary Lecturer	MD(MBARARA University),MPH(Harvard University MA-USA),PHD(MUHAS)
186	L. Mgopa F	F	Honorary Senior Lecturer	MD, MMED (MUHAS)
187	F. Benedict M	M	Honorary Lecturer	MD, MMED (MUHAS)
1 88	N. Kitomari	M	Honorary	MD, (UDOM)MMED (MUHAS)

	M		Lecturer	
189	S. Mkony M	M	Honorary Lecturer	MD (MUHAS), MMED(UDOM)
190	I. Haruna M	M	Honorary Lecturer	MD, MMED (MUHAS
191	J. R. Mosha	F	Honorary Lecturer	MD, MMED (MUHAS
192	R.J. Mtei F	F	Honorary Lecturer	Bsc(Jordan University), MSc (MUHAS)
193	D. Kisamo F	F	Honorary Lecturer	BA(UDSM), MSc(MUHAS)
194	D.S. Muntara M	M	Adjunct Teaching Assistant	BSc(Jomo Kenyatta)
195	M.A. Salema M	M	Adjunct Teaching Assistant	BSc(Jomo Kenyatta)
196	A. Siraji F	F	Honorary Lecturer	Bsc(JOMO KENYATTA), Msc(MANIPAL INDIA
197	I.C Rugemalila	M	Honorary Lecturer	MD, MMED (MUHAS),PgDip(CUCMS),Grad.Cert(VCU)
198	G.P Simbee	F	Honorary Lecturer	MD, MMED (MUHAS),MSc(IBADAN)
199	L. Ngongi I	F	Honorary Lecturer	MD(UDSM), MMED(MUHAS)
200	P. Lawala S	M	Honorary Lecturer	MD(UDSM), MMED(MUHAS)
201	I.Mwombeki R	M	Honorary Lecturer	MD, MMED (MUHAS),MPH(Hebrew, University, Israel),Substance abuse fellowship(VCU,USA)
202	Joy Noel Baumgartne	M	Honorary Associate Professor	BA, University of Virginia, MA University of Wisconsin, PhD in Maternal and Child Health Anthropology (minor), University of North Carolina at Chapel Hill, NC, U.S.A
203.	Marion	F	Honorary	BSc. In Occupational therapy, Jomokenyata

	Abner Salema		Lecturer	University.
204.	Dawason Sylvester Muntara	M	Honorary Lecturer	BSc. In Occupational therapy, Jomokenyata University
205.	Gema Peter Simbee	F	Honorary Lecturer	MD,MMED(MUHAS),MSc. Child and Adolescent Mental Health, Centre for Child and Adolescent Mental Health (University of Ibadan, Nigeria)
206.	Innocent Rwiza Mwombeki	M	Honorary Lecturer	MD,MMED(MUHAS),MPH(Hebrew University of Health and Allied Sciences)
207.	Isack Christopher Rugemalila	M	Honorary Lecturer	MD(MUHAS),MMed(UDOM)
208.	Leonida Isdory Ngongi		Honorary Lecturer	MD,MMED(MUHAS)
209.				
209	S. Lidenge	M	Honorary Senior Lecturer	MD, MMed (MUHAS), Ph.D. (USA)
210.	N. Dharsee	F	Honorary Senior Lecturer	MD, MMed (MUHAS), MSc (London)
211.	J. Mwaiselage	M	Honorary Lecturer	MD (UDSM), PhD (Bergen)
212.	S. Muya	F	Honorary Lecturer	MD(UDSM), MMed (WITS), FC Rad- Onc (SA)
213.	E. Lugina	M	Honorary Lecturer	MD, MPH, MMed (MUHAS)
214.	J. Ndumbalo	M	Honorary Lecturer	MD (UDSM), MMed (WITS), MBA (UDSM)
215.	J. Dachi	M	Honorary Lecturer	BSc Physics, Math, Edc (UDSM), BSc (hon) Medical Physics (WITS), MSc Medical

				Physics (Italy)
216.	H. Myanza	M	Honorary Lecturer	DDR(UDSM), BSc (University of Johannesburg), MSc (Shiffeld Hallam University)
217.	G. Soko	M	Honorary Lecturer	BSc, MSc (MUHAS), PhD (Jiangxi University-China)
218.	M. Mngoya	M	Honorary Lecturer	DDR (UDSM), BSc (MUHAS), MSc (Shiffeld Hallam University), PgD Ed (UDSM)
219.	S. Yusufu	M	Honorary Lecturer	BSc with Ed (UDSM), BSc (hon) Medical Physics (WITS), MSc Physics (UDSM)
220.	N. Mvungi	M	Honorary Lecturer	MD, MMed (MUHAS)
221	B. Sangiwa	M	Honorary Lecturer	MBBS (CMU-CHINA), FCNP (SA), MMed (SA)
222	A.S. Mrema	F	Honorary Lecturer	MD (UDSM), MMed (MUHAS)
223	R. Mruma	M	Honorary Lecturer	DDR (UDSM), BSc (MUHAS), MSc (MUHAS)
224	M.A. Mseti	M	Honorary Lecturer	MD, MMed (MUHAS)
225	S.K. Nyagabona	F	Honorary Lecturer	MD (HKMU), MMed (MUHAS)
226	T. Maftah	F	Honorary Lecturer	MD (UDSM), FCNP (SA)
227	C. Kahesa	M	Honorary Lecturer	MD (IMTU), MSc (Makerere), PhD (Copenhagen)
228	Mamsau T. Ngoma	F	Honorary	MD, MMed (MUHAS)
229	Sikudhan Muya	F	Honorary Lecturer	MD(UDS)MMed (South Africa)
230	Emmanuel Lugina Lugina	M	Honorary Lecturer	MD, MMED,MPH,PhD MUHASHAS) 2018
231	Jumaa D. Kisukari	M	Honorary Lecturer	BSc,UDSM,MSc Italy

232	Rehema Mashaka Ramadhan	F	Honorary Lecturer	BSc Ed(Muslim University of Morogoro),MSc Physics(UDSM),MSc. Advanced Studies in Medical Physics at University of Trieste)
233.	Mary Baltasary Haule	F	Honorary Lecturer	BSc. Nursing(AKU), Msc Supportive and Palliative Care(UK),Diploma of Palliative Care(Makerere University)
234	Mpanda Mngoya		Honorary Lecturer	BSc RTT(MUHAS).Msc. Radiotherapy Planning(Sheffield Hallam University – UK)
Surgery				
Part time				
235.	C. M. A. Yongolo	M	Associate Professor	MD, MMed (UDSM), MSc (Tumaini)
236.	M. M. Aboud	M	Associate Professor	MD, MMed (UDSM), MMed Res. (Brussels), MSc (Tumaini)
237.	C. A. Mkony	M	Professor	MD, MMed, (UDSM)
238	F. W. Mbanga	M	Senior Lecturer	MD, MMed (UDSM)
239	J. Rwanyuma	M	Honorary Lecturer	MD, MMed, Fellowship in Plastic Surgery
240.	G. Mchele	M	Honorary Lecturer	MD, MMed, MSc
241.	K. Kitembo	M	Honorary Lecturer	MD, MMed, MSc
242.	Y. Ringo	M	Honorary Lecturer	MD, MMed, MSc
243.	G. Mtaturu	M	Honorary Lecturer	MD, MMed, MSc
244.	N. Kimu	M	Honorary Lecturer	MD, MMed, MSc

245.	V. Sensa	M	Honorary Lecturer	MD, MMed
246	S. Kaali	M	Honorary Lecturer	MD, MMed, MSc
247	M. Sultan	M	Honorary Lecturer	MD, MMed
248	A. Swallow	M	Honorary Lecturer	MD, MMed
249	E. Mkongo	M	Honorary Lecturer	MD, MMed, MSc
250	Joachim Angelo	M	Honorary Lecturer	MD CUHAS, MUHAS
251	Herry Godfrey Kibona	M	Honorary Lecturer	MD, MMED MUHAS
252.	Abdulrahman A. Amin	M	Honorary Lecturer	MD, MMED MUHAS
253.	Isaack Mlatie Maro	M	Honorary Lecturer	MD, MMED MUHAS
254.	Athuman Mitande Mbalamula	M	Honorary Lecturer	MD, MMED MUHAS
255.	Victor Patrick Sensa	M	Honorary Lecturer	MD, MMED MUHAS
256.	Dorice Adrian Mgayane	F	Honorary Lecturer	BSc Phys, KCMC, MSC JKUAT, Fellow Neuro Rehabilitation, Fortis Memorial Research Institute
257.	Mohammed S.A.S.	M	Honorary Lecturer	MD, MMED, MUHAS
258.	Ibrahim S.Mkoma	M	Honorary Lecturer	MD, MMED, MUHAS
259.	Juergen H. Dolderer	M	Honorary Professor	MD, University Frankfurt, Master of Health Business Administration, University Nuernberg, PhD – Plastic Surgery, University Medical Center Bayreuth.

260.	Charles O. Komba	M	Honorary Lecturer	MD,MMED(MUHAS),Fellowship in Thoracic Surgery, Alexandria University
261.	Paul J. Shayo	M	Honorary Lecturer	BSc in Physiotherapy, KCMUCo,
262.	Ashura S. Kazema	F	Honorary Lecturer	BSc, MSc in Physiotherapy, KCMUCo. Currently is working at Muhimbili National Hospital as Physiotherapy Officer
263.	John B. Ngendahayo	M	Honorary Lecturer	, General Surgery, MUHAS, MD(HKMU), MMed, MSc, MUHAS
264	Adelaida E. Mghase	M	Honorary Lecturer	MBBS (IMTU), MMed, Fellowship in Plastic Surgery 2011
265	Brian C. Mawalla	M	Honorary Lecturer	MD(KCMC), MMed (CUHAS),PhD, Huazhong University of Science and Technology
266.	Edwin M. Mrema	M	Honorary Lecturer	MD, MMed, Nizhny Nougorod State Medical Academy, MSc, MUHAS,
267.	Cameron Eric Gaskill	M	Honorary Lecturer	BS in Biology Physiology,MD, MPH in Global Health University of Washington, Research Fellowship in Global Surgery

SCHOOL OF DIAGNOSTIC MEDICINE

Haematology and Blood Transfusion

268.	G. Moshi	F	Honorary Lecturer	MD (DARES SALAAM)
269.	J. Makame	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
270.	S. Nyagabona	F	Honorary Lecturer	MD (HKMU) MMed (MUHAS)
273.	H. I. Khamis	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)

274.	S. Rwezaula	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
275.	N. Mahenge	F	Honorary Lecturer	BSc (UDSM) MSc (University of Maastricht, Netherlands)
276.	S. W. Malangahe	F	Honorary Lecturer	MD, MSc (MUHAS)
277	E. Vuhahula	F	Honorary Senior Lecturer	DDS (UDSM), Cert.Pathology Tech, PhD (Hiroshima), FCPATH (ECSA)
278	C. Ngimba	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
279	E. A. Mtambo Vuhahula	F	Honorary Lecturer	Doctor of Dental Surgery (UDSM) PhD (Hiroshima University)
Microbiology & Immunology				
Part time				
280	M.I. Matee	M	Professor	DDS, MSc, PhD (UDSM)
Honorary				
281.	P. Mbelele	M	Honorary Lecturer	MD (MUHAS) PhD (Nelson Mandela Institution) MMed (MUHAS)
282.	E. Nicodemus	M	Honorary Lecturer	MD (Hubert Kairuki Memorial University) MMed (MUHAS)
283.	S. Rugarabamu	M	Honorary Lecturer	MD (MUHAS) MSc (MUHAS)
284.	G. Judicate	M	Honorary Lecturer	MD (MUHAS) PhD (Kumamoto University, Japan)
285.	F.M. Msafiri	M	Honorary Lecturer	MD (MUHAS) PhD
286.	G. Barabona,	M	Honorary Lecturer	MD (MUHAS) PhD (Kumamoto UniversityJapan)
287.	B. Malima	M	Honorary Lecturer	MD, MMed (MUHAS)

288.	M. R. Mahiti	M	Honorary Lecturer	MD (MUHAS) PhD (Kumamoto University Japan)
289	A. Jusabani	M	Adjunct Professor	
290	F. Minja	M	Adjunct Professor	MD, Neuroradiology Fellow
291	A. Kessy	F	Honorary Lecturer	MD (KCMC) MMed (Norman Bethune College of Medicine Jilin)
292	F. Lwakatare	F	Honorary Lecturer	MD (UDSM) MMed, (Makerere University)
293	U. Kwikima	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS). MSC SS (MUHAS)
294	M. Kamuzora	F	Honorary Lecturer	MD (XI'AN JIATONG University) MMed (MUHAS)
295	A. Kalinga	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS).
296	E. Mbuguje	M	Honorary Lecturer	MD (MUHAS) MMed (MUHAS). MSC SS (MUHAS)
297	H. Machibya	F	Honorary Lecturer	MD (KCMC) MMed
298	M. S. Omary	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
299	S.B.Nsato	F	Honorary Lecturer	MD (MUHAS) MMed (MUHAS)
300	M. M. Jumbe	F	Honorary Lecturer	MD (MUHAS) MSc (MUHAS) MMED (Central south University Hunan China)
301	Judy Wawira Gichoya	F	Honorary Lecturer	MD (University Eldoret) MSc (Indiana University)
302	L. R. Abdallah	F	Honorary Lecturer	MD (MUHAS) MSc (MUHAS)

				MMed (MUHAS)
303	S. Mehta	M	Honorary Lecturer	MBBS (Grant Medical College, Mumbai India)
304	X. Marko	F	Honorary Lecturer	MD (Wayne State School of Medicine, Detroit, Michigan)
SCHOOL OF BIOMEDICAL SCIENCES				
Biochemistry				
Part time				
305	T. Mselle	M	Lecturer	MD (UDSM), MSc (Surrey), PhD (Dartmouth)
Honorary				
306	R. H. Sijmons	M	Honorary Lecturer	MD (university Groningen) PhD (University Groningen)
307	S. M. William	M	Honorary Lecturer	PhD (Washington University)
308	E. E. Efiong	F	Honorary Lecturer	BSc (Institute of Epidemiology, Helmontz Zentrum Munich, Germany) MSc (Calabar, Nigeria) PhD (University of Calabar, Nigeria)
Anatomy and Histology				
	NIL			
Biomedical Engineering				
309	V. Rwehumbiza	M	Honorary Lecturer	BSc (UDSM) MSc (Jacobs University, Germany) PhD (Jacobs University, Germany)
Clinical Pharmacology				
310	C. E. Leonard	M	Honorary Lecturer	BSc (Duquesne University) M.S.C in Clinical Epidemiology,
311	E. M Gedi.	M	Honorary Lecturer	BSc MUHAS MSc (at the University of Nairobi, Kenya)
312	E. E. Ngomuo	M	Honorary Lecturer	BSc MUHAS MSc

313	G. N. Musiba	M	Honorary Lecturer	BSc (St. John's University of Tanzania) MSc (MUHAS)
314	D. C. Buma	M	Honorary Lecturer	BSc (UDSM) MSc (MUHAS) PhD (MUHAS)
315	H. B. Ilomo	F	Honorary Lecturer	MPharm (MUHAS)
316	B. Leonard	M	Honorary Lecturer	BSc, MPharm (MUHAS)
317	J. M. Kaaya	F	Honorary Lecturer	BSc, MPharm (MUHAS)
318	M. A. Njelekela,	F	Honorary Lecturer	MD MUHAS PhD at Kyoto University, Japan 2003. MSc MUHAS
319	A. A. Ebrahim	F	Honorary Lecturer	MD (MUHAS) MSc (University of Edinburg, 2020, United Kingdom)

SCHOOL OF PHARMACY				
Part time Lecturers				
320	G. A. D. Kugashe	F	Associate Professor, Part time	BPharm (UDSM) PhD (Galway, Ireland) MSc. PSCM (Mzumbe University)
321	O.D. Ngassapa	F	Associate Professor	BPharm (UDSM), PhD (Chicago, USA)
Honorary Lecturers				
Clinical Pharmacy and Pharmacology				
322	D.C. Buma	M	Honorary Lecturer	BPharm (UDSM), MPharm (MUHAS), PhD (MUHAS)

323	H. B. Ilomo	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
324	L. Charles	M	Honorary Lecturer	PharmD (UPenn), MSCE
325	E. Masunga	M	Honorary Lecturer	BPharm (MUHAS), MPharm (Univ of NBO)
326	G. N. Musiba	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
327	L. Buganda	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
328	J. M. Kaaya	F	Honorary Lecturer	BPharm (SJUT), MPharm (MUHAS)
329	E. E. Ngomuo	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
Pharmaceutical Microbiology				
330	A.B. Mtenga	M	Honorary Lecturer	BPharm (Chenai), MSc Med Micr (London), PhD (GNU S. Korea)
Pharmacognosy				
331	H.M. Malebo	M	Honorary Lecturer	BSc in Chemistry & Biology, MSc. Natural Products Chemistry (UDSM), PhD in Medicinal Phytochemistry, (Kenyatta University)
332	A.A. Moyo	M	Honorary Lecturer	BSc in Chemistry and Biology (UDSM), MSc. Trad. Med. Dev (MUHAS), PhD (Shivaji University, India)
333	K. Manga	M	Honorary Lecturer	BPharm, MPharm (MUHAS)
Pharmaceutics and Pharmacy Practice				
334	Mary Kisima	F	Honorary Lecturer	Bpharm (St John's) MSc Pharmaceutical Management (MUHAS)

SCHOOL OF DENTISTRY

Part-time Lecturers

335	G. J. Mandari	M	Senior Lecturer	DDS (UDSM), MDent (UDSM)
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336	P. T. N. Sarita	M	Lecturer	DDS (UDSM), PhD (Nijmegen)
337	F. M. Shubi	M	Senior Lecturer	MD (Stomat), MSc, PhD (USSR)
338	Prof. Febronia	F	Professor	DDS (UDSM), MSc (UDSM), PhD (Nijmegen)
339	E.N. SIMON	M	Senior Lecturer	DDS (UDSM), Cert. in Radiology (Amsterdam), PhD (Nijmegen)
340	J. R. Masalu	F	Senior Lecturer	DDS (UDSM), MPH (Leeds), PhD (Bergen)
341	E. G. S. Mumghamba	M	Senior Lecturer	DDS (UDSM), MDent (UDSM), PhD (Turku)

Honorary Lecturers				
342	D. Kilasara	M	Restorative Dentistry	DDS, MDent (MUHAS)
343	K. S. Sohal	M	Oral and Maxillofacial Surgery	DDS (UDSM), MDent (MUHAS)
344	Arnold A. Mtenga	M	Oral and Maxillofacial Surgery	DDS (UDSM), MDent (MUHAS)
345	Germana Lyimo	F	Restorative Dentistry	DDS, (MUHAS) MDent (University of Cape Town)
346	Safaa Chunga	F	Orthodontics, Paedodontics and Community Dentistry	DDS (UDSM), MDent (MUHAS)
347	Luciana Albert	F	Restorative Dentistry	DDS (UDSM), MDent (MUHAS)
348	Dr. Gregory Mandari	M	Orthodontics, Paedodontics and Community Dentistry	DDS, MDent (MUHAS)
349	Doreen Masamu	F	Orthodontics, Paedodontics and Community Dentistry	DDS, MSc in stomatology (Shandong University, China)
350	Dr. Michael Masumbuko	M	Orthodontics, Paedodontics and Community Dentistry	DDS, (MUHAS), MSc in stomatology (Shandong University, China)
351	Dr. Ibrahim Kasambala	M	Restorative Dentistry	Master of Dentistry (MDent) in Restorative Dentistry MUHAS, 2022 Doctor of Dental Surgerv (DDS)

352	Dr Zenais F. Kawishe	F	Restorative Dentistry	Master of Dentistry (MDent) in Restorative Dentistry at MUHAS, 2022 Tanzania Bachelor degree in Dental Surgery (DDS) at MUHAS, 2017 Tanzania
353	Dr. Farizana R. Msagati	F	Restorative Dentistry	Master of Dentistry in Restorative Dentistry (MDENT) at MUHAS, 2022. Bachelor degree in Dental
354	Dr. Amimu Hamis Kilomoni	F	Restorative Dentistry	MDent in Restorative Dentistry, MUHAS, 2023. Master's Degree in Dentistry, EGE University, 2011

SCHOOL OF NURSING				
Clinical Nursing				
355	C.R Chapuchapu	F	Honorary Lecturer	BSc. N (St. Johns), MSc (MUHAS)
356	M.A. Mhoka	M	Honorary Lecturer	Dip (Bugando), BSc (St. Johns), MSc (MUHAS)
357	S.A. Mburuja	F	Honorary Lecturer	Dip, BSc (Kairuki), MSc(MUHAS)
358	J. J Mlingi	F	Honorary Lecturer	Dip (KCMC), BSc (Kairuki), MSc(MUHAS)
359	W.C. Mwilongo	F	Honorary Lecturer	BSc. N (St. Johns), MSc (MUHAS)
360	P.M Shirima	M	Honorary Lecturer	BSc., MSc. (MUHAS)
361	J.C Nsongo	M	Honorary Lecturer	BSc (UDOM), MSc (MUHAS)
362	S.M Mossy	F	Honorary Lecturer	Dip (KCMC), BSc (Aghakan), MSc(MUHAS)
363	T.L Mcharo	F	Honorary Lecturer	BSc. N (St. Johns), MSc (MUHAS)

SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES				
Part-time Lecturers				
364	A. V. F. Ngowi	F	Senior Lecturer	BSc (UDSM), MSc (OHS) (UK), PhD (Tampere Finland)
365	M. A. Mwangu	M	Senior Lecturer	BA (Ed.), MA, PhD (UDSM)
366	D. B. Gasarasi	F	Senior Lecturer	Dipl.Ed, BSc (UDSM), M SPH, ScD (Tulane)
367	S.D. Mamuya	M	Associate Professor	BSc (Eng) (UDSM), Dipl. (San. Eng) (Delf), Mphil (Bergen), PhD (Bergen)
368	R.N. Mpembeni	F	Associate Professor	BSc (UDSM), MSc (London), PhD (MUHAS)
369	D.P. Urassa	M	Professor	MD (UDSM), MTH (Queensland), MPH (Rome), PhD (Uppsala)
370	A.T. Kessy	F	Associate	MD, MMed (UDSM)

			Professor	
371	P. G. M. Mujinja	M	Professor	BA (UDSM), MPH, CIH, MA
372	D. S. Tarimo	M	Associate Professor	MD, MSc TDC (UDSM), PhD
373	D. O. Simba	M	Associate Professor	MD, MMed (UDSM), PhD (Karolinska)
374	G. Kwesigabo	M	Associate Professor	MD (UDSM), MSc (London), MEd (Manchester), PhD (Umea)

Department of Behavioral Sciences				
Adjunct/Honorary Lecturers				
375	E. H. Shayo	F	Honorary Lecturer	BA, MA (UDSM) PhD (Bergen)
376	P. E Mangesho		Honorary Lecturer	BA, (Hons), (UDSM) MA, (UDSM), PhD, (University of Cape town),
Department of Community Health				
Adjunct/Honorary Lecturers/Teaching Associate				
377	L. B. Mlunde	F	Senior Honorary Lecturer	MD (MUHAS), MSc, PhD (Tokyo)
378	H .J. Rusobya	M	Teaching Associate	BSc (SUA), MPH, (MUHAS)
379	A. E. Mkumbo	F	Teaching Associate	BSc (SUA), MSc. (NM AIST)
380	H. P.Ndumwa	F	Teaching Associate	MD, (MUHAS), Masters of Philosophy (UiB)
381	N. Nhumba	M	Teaching Associate	MD, MSc PME (MUHAS)
Department of Development Studies				
Adjunct/Honorary Lecturers				
382	M. Mayige	F	Honorary Lecturer	MB ChB (Makerere), MPH (MUHAS), PhD, (Newcastle)

383	F. N. Ngalesoni	F	Honorary Lecturer	MD (UDSM), MSc (Yorkshire UK,) PhD, (Bergen)
384	G.W. Lyatuu	M	Honorary Lecturer	MD (MUHAS), MPH (Dartmouth), PHD, (Karolinska),
385	B.M. Binto	M	Honorary Lecturer	Dip. Clin. Med (Mtwara), BBA(TU-Iringa), PGD ED (CFR), LLB (TUDARCo), MFI (AIA), MBA (UDSM), MSC PMMEH (MUHAS).
386	P. J. Binyaruka	M	Honorary Lecturer	BA, MA (UDSM), PhD (Bergen)
387	A. Jonathan	F	Honorary Lecturer	MD(KCMC), MSc (MUHAS), MBA (Mzumbe)
388	D. M Sando	M	Honorary Lecturer	MD (UDSM), MSc (Jimma), MSc, PhD (Harvard)
389	E. F. Mkonyi	F	Honorary Lecturer	BA, MA, (UDSM), MSc, PhD(Minnesota)
Department of Environmental and Occupational Health				
Adjunct/Honorary Lecturers				
390	R.Y Esmail	F	Honorary Lecturer	BSc (OUT), BSc (MUHAS), MSc (MUHAS)
391	O. Kyetuza	M	Honorary Lecturer	BA, (UDSM), M.Eng (Beijing), PhD, (Nigeria)
392	D. A. Ngajiro	F	Honorary Lecturer	MD (MUHAS), MMED, PhD (Cape Town).
393	R. Elibariki	F	Honorary Lecturer	BSc (SUA), MSc (India)
Department of Epidemiology and Biostatistics				
Adjunct/Honorary Lecturers				
394	D. R. Bishanga	M	Honorary Lecturer	MD (UDSM), MSc (UDSM), PhD (Gronigen)
395	B. A. Kamala	M	Senior Honorary Lecturer	MD (MUHAS), MPH (Karolinska), PhD (Stavanger)

396	F. B. Haraka	M	Honorary Lecturer	MD (MUHAS), MSc (Nottingham), PhD (Basel)
397	W.M Maokola	M	Honorary Lecturer	MD (UDSM), MSc (Liverpool STM) PhD (KCMUCo),
398	G. S. Philipo	M	Honorary Lecturer	MD (MUHAS), MPH (China), Fellow in Global Surgery (UCSF), MGSC (Vancouver)
399	P.M. Karoli	M	Honorary Lecturer	MD, MPH, MSc
400	S. M. Jaffer	M	Honorary Lecturer	MD, MSc
401	S. S. Somji	F	Honorary Lecturer	BSc, MPH (Cardiff).
Department of Parasitology and Medical Entomology				
Adjunct/Honorary Lecturers				
402	S. M.Kinung'hi	M	Honorary Lecturer	BVM (SUA), MSc (Addis Ababa), PhD (Copenhagen)
403	A. Bhattarai	M	Honorary Lecturer	MSc (Basel), HCMTC (Swiss Tropical Institute), MCTM (Thailand), MBBS/MD
404	V. Silvestri	F	Honorary Lecturer	MD (La Sapienza), MSc (MUHAS), PhD (La Sapienza)
405	N. A. J Ritha	F	Honorary Lecturer	Diploma (Denmark), BSc (UDSM), MSc (Liverpool), PhD (Tumaini university)

INSTITUTE OF TRADITIONAL MEDICINE				
Adjunct/ Honorary/ Visiting Staff				
Department of Biological and Pre-Clinical Studies				
406	M. J. Moshi	M	Part-time Associate Research Professor	B. Pharm (UDSM), PhD (Glasgow)
Department of Medical Botany, Plant Breeding and Agronomy				
407	E. J. Kayombo	M	Part-time Senior Research Fellow	Dipl. Ed, BEd, MA (UDSM), PhD (Vienna)
408	H. J. Ojwang	M	Honorary Professor	BEd (Arts) (UoNBI), MSc (Univ Aston), PhD (UoNBI)

INSTITUTE OF ALLIED HEALTH SCIENCES				
S/N	Name	Sex	Academic Rank	Qualifications
School of Hygiene – Muhimbili				
1	J. R. Kijumbe	M	Part Time Tutor	DEHS (MUHAS), LLB Open University
School of Radiography				
2	S. Mkoloma	M	Part Time Tutor	DDR (MUHAS), BTech, MTech (SA)
3	B. Abdul	M	Part Time Tutor	DDR, BScRTT (MUHAS), MSc Rad (Shiffield)
4	S. S. Amsi	M	Part Time Tutor	BSc IT, MSc Computer Science
5	F.A. Lwakatare	F	Part Time Tutor	MD (MUHAS), MMed Radiology (MUHAS)
6	M. I. Shaban	M	Part Time Tutor	DDR (MUHAS), BSc MI (ECUREI)
7	M. M. Jumbe	F	Part Time Tutor	MMed Rad (China), MSc Women's Imaging (MUHAS)

9.3 LISTS OF PROFESSOR EMERITI AND RESEARCH CHAIR STAFF

1.	K. Pallangyo	M	Professor Emeritus	MD, MMed (UDSM), Cert. Clin. Micro/Immuno. (Nagasaki)
2.	K.P. Manji	M	Professor Emeritus	MBBS (India), MMed (UDSM), MPH (Harvard), FRCP (London), FRCPC (London)
3.	E. F. Lyamuya	M	Professor Emeritus	MD, MMed (UDSM), PhD (Karolinska)
4.	J.Z.J, Killewo	M	Professor Emeritus	MB ChB (EA), DPH (UDSM) MSc (London), PhD (Umea)
5.	M.T. Leshabari	M	Professor and Research Chair	BSc, MA (UDSM), Dr. Sc (John Hopkins)

CHAPTER TEN: ACADEMIC PRIZES

10.1 CAMPUS COLLEGE OF MEDICINE

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	MUHAS Prize	MUHAS	Best final year MMed student in Anaesthesiology	100,000
2.	MUHAS Prize	MUHAS	Best final year MMed students in Anatomical Pathology	100,000
3.	MUHAS Prize	MUHAS	Best final year MMed students in Emergency Medicine	100,000
4.	MUHAS Prize	MUHAS	Best final year MMed student in Haematology and Blood Transfusion	100,000
5.	MUHAS Prize	MUHAS	Best final year MMed student in Internal Medicine	100,000
6.	MUHAS Prize	MUHAS	Best final year MMed student in Microbiology and Immunology	100,000
7.	MUHAS Prize	MUHAS	Best final year MMed student in Obstetrics and Gynaecology	100,000
8.	MUHAS Prize	MUHAS	Best final year MMed student in Ophthalmology	100,000
9.	MUHAS Prize	MUHAS	Best final year MMed student in Orthopaedics and Traumatology	100,000
10.	MUHAS Prize	MUHAS	Best final year MMed student in Otorhinolaryngology	100,000

11.	MUHAS Prize	MUHAS	Best final year MMed Student in Paediatrics and Child Health	100,000
12.	MUHAS Prize	MUHAS	Best final year MMed student in Psychiatry	100,000
13.	MUHAS Prize	MUHAS	Best final year MMed student in Surgery	100,000
14.	MUHAS Prize	MUHAS	Best final year MMed student in Radiology	100,000
15.	MUHAS Prize	MUHAS	Best final year MMed student in Urology	100,000
16.	MUHAS Prize	MUHAS	Best final year student in MMed Clinical Oncology	100,000
17.	Prof. Victor Mwafongo Prize	Prof. Victor Mwafongo	Best final year student in MMed Emergency Medicine	USD 100
18.	Dr. Alurn Andrew Mziray Memorial Prize	Prof. Michael Runyon	Final year MMed Emergency Medicine student with highest standard of clinical practice	USD 100
19.	African Federation of Emergency Medicine Prize	Africam Federation of Emergency Medicine	Best final year student in MMed Emergency Medicine	USD 200
20.	Dr. Josephine Rweikiza Memorial Prize	Dr Samuel Likindikoki	Best final year MMed Psychiatry in Research	100,000
21.	Dr Upendo George Memorial Award	Emergency Medicine Department	Best final year student in Paediatric Emergency Medicine	USD 100
MSc Programmes				
21.	MUHAS Prize	MUHAS	Best final Year MSc Student in Anatomy	100,000
22.	MUHAS Prize	MUHAS	Best final Year MSc Student in Biochemistry	100,000
23.	MUHAS Prize	MUHAS	Best final Year MSc Student in Clinical Pharmacology	100,000
24.	MUHAS Prize	MUHAS	Best final Year MSc Student in Clinical Psychology	100,000

25.	Prof. John Hall Prize	Prof. John Hall	Best final Year MSc Clinical Psychology in Research	100,000
26.	MUHAS Prize	MUHAS	Best final Year MSc Student in Microbiology and Immunology	100,000
27.	MUHAS Prize	MUHAS	Best final Year MSc Physiology	100,000
MScSS Programmes				
28.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Cardiology	100,000
29.	MUHAS Prize	MUHAS	Best final year MScSS Student in Medical Gastroenterology and Hepatology	100,000
30.	MUHAS Prize	MUHAS	Best final year MScSS Student in Surgical Gastroenterology and Hepatology	100,000
31.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Neurology	100,000
32.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Neurosurgery	100,000
33.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Nephrology	100,000
34.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Respiratory Medicine	100,000
35.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Paediatric Haematology and Oncology	100,000
36.	MUHAS Prize	MUHAS	Best final Year MSc Student in Cardiovascular perfusion	100,000
37.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Clinical Neonatology	100,000

38.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Paediatric Surgery	100,000
39.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Neuroradiology	100,000
40.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Women Imaging	100,000
41.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Haematology and Blood Transfusion	100,000
42.	MUHAS Prize	MUHAS	Best final Year MScSS Student in in Interventional Radiology	100,000
43.	MUHAS Prize	MUHAS	Best final Year MSc Student in Clinical Psychology	100,000
44.	MUHAS Prize	MUHAS	Best final Year MScSS Student in Rhinology	100,000
45.	Prof. William Matuja Prize	Prof. William Matuja	Best final Year MScSS Student in Neurology with at least cumulative GPA of 4.0	USD 100
46.	Prof. Margaret Norah Hogan Prize Best final year MSc Clinical Psychology in Research	Dr. Samuel Likindikoki	Best final Year MSc Clinical Psychology in Research	100,000
47.	Prof. Lawrence M. Museru Prize	Prof. Lawrence M. Museru	Best final year student in MMed Orthopaedics and Traumatology	1,000,000
48.	Prof. Projectine Muganyizi Prize	Prof. Projectine Muganyizi	Best final year student in MMed Obstetrics and Gynaecology Dissertation with a CGPA of at least 4.0	100,000

49			Best final year student in MMed Paediatrics Dissertation	100,000
	Prof. Karim Manji Prize	Prof. Karim Manji		
50			Best final year MMed student in Ophthalmology with highest standard of clinical practice	100,000
	Prof. Milka Mafwiri and family Prize: Best final year MMed student in ophthalmology with highest standard of clinical practice	Prof. Milka Madaha Mafwiri		
51			Best Overall student in the MSc. Superspeciality Pulmonary Program	100,000
	Prof. F. Mugusi Memorial Prize	Prof. F. Mugusi Family		
52			Best MMed student with the highest marks in research project	100,000
	Prof. F. Mugusi Memorial Prize	Prof. F. Mugusi Family		
53			Best MSc. Clinical Pharmacology student with the highest overall grade in Research Dissertation	100,000
	Dr. S. Mugusi	Dr. Sabina Mugusi		

10.2 SCHOOL OF DENTISTRY

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best final year M.Dent student in Paediatric Dentistry	100,000.00
2.	University Prize	MUHAS	Best final year M.Dent students in Restorative Dentistry	100,000.00
3.	University Prize	MUHAS	Best final year M.Dent student in Oral Public Health	100,000.00
4.	University Prize	MUHAS	Best final year M.Dent student in Oral and	100,000.00
5.	University Prize	MUHAS	Best final year M.Dent student in Oral and	100,000.00
6.	Stoelinger Prize	Dr. E. N. Simon	Best final year M.Dent student in Oral and	200,000.00
7.	Stoelinger Prize	Dr. E. N. Simon	2 nd Best final year M.Dent student in Oral and Maxillofacial Surgery	100,000.00
8.	Anderson Award	Dr.I.Kida	Best Mdent student in Restorative Dentistry for special group	100,000
9.	Prof. Hu Min Orthodontic prize	Dr. F.Machibya	Mdent Orthodontic best student in orthodontics	250,000

10.3 SCHOOL OF PHARMACY

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best final year MSc student in Pharmaceutical Management	100,000.00
2.	University Prize	MUHAS	Best final year MPharm student in Hospital & Clinical Pharmacy	100,000.00
3.	University Prize	MUHAS	Best final year MPharm Student in Industrial Pharmacy	100,000.00
4.	University Prize	MUHAS	Best Final Year Student: MSc Pharmacovigilance and Pharmacoepidemiology	100,000.00
5.	University Prize	MUHAS	Best final year MPharm student in Medicinal Chemistry	100,000.00
6.	University Prize	MUHAS	Best final year MPharm student in Pharmaceutical Microbiology	100,000.00
7.	University Prize	MUHAS	Best final year MPharm student in Pharmacognosy	100,000.00
8.	University Prize	MUHAS	Best final year MPharm student in Quality Control & Quality Assurance	100,000.00
9.	Felix Wiemes Prize on Quality Assurance	Deutsches Medikamenten-Hilfswerk Action Medeor e.V.	Best final year MPharm student in Quality Assurance & Quality Control	300,000.00

10.4 SCHOOL OF NURSING

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best Final Year Student in MSc. Emergency and Critical Care Nursing	100,000
2.	University Prize	MUHAS	Best Final Year Student in MSc. Mental Health Nursing and Psychotherapy	100,000
3	University Prize	MUHAS	Best Final Year Student in MSc. Nursing Cardiovascular	100,000
4	University Prize	MUHAS	Best Final Year Student in MSc. Nephrology	100,000
5	University Prize	MUHAS	Best Final Year Student in MSc. Oncology and Palliative Care Nursing	
6	University Prize	MUHAS	Best Final Year Student in MSc. Midwifery and Women Health	
7	Dr. Alice Davidson-Outwater Graduate Award	Dr Anne Outwater	Best student in Nursing Research (Master)	150,000
8	Sr. Daniel Prize	Prof. Irine Kida	Graduate with the highest marks and disciplined in antenatal care practice	100,000
9	Dr Beatrice Mwilike Award	Dr Beatrice Mwilike	The postgraduate student with the highest score in Advanced Antenatal Care Practice with not less than 3.8 GPA	100,000

10.5 SCHOOL OF PUBLIC HEALTH AND SOCIAL SCIENCES

S/N	PRIZE	AWARDING	DESCRIPTION	AMOUNT (TZS)
1.	University Prize	MUHAS	Best Final year student - Across all Master programmes in the SPHSS	100,000
2.	University Prize	MUHAS	Best Final Year Student in MSc Tropical Disease Control	100,000
3.	University Prize	MUHAS	Best final year student in Project Management Monitoring and Evaluation in Health	100,000
4.	University Prize	MUHAS	Best Final Year Student in MSc Applied	100,000
5.	University Prize	MUHAS	Best Final Year Student in MSc Epidemiology and Laboratory Management	100,000
6.	University Prize	MUHAS	Best Final year Student in MPH Implementation Science	100,000
7.	University Prize	MUHAS	Best Final Year Student in MSc. Health Economics Policy	100,000
8.	University Prize	MUHAS	Best Final Year Student in MSc Environmental and Occupational Health	100,000
9.	University Prize	MUHAS	Best Final Year Student in MA Health Policy & Management	100,000
10.	University Prize	MUHAS	Best Final Year Student in Master of Bioethics	100,000
11.	University Prize	MUHAS	Best Final Year Student in MSc. Behavioral	100,000
12.	University Prize	MUHAS	Best Final Year Student in MSc. Parasitology	100,000
13.	University Prize	MUHAS	Best Final Year Student in MMed Community Health	100,000
14.	Dean's Prize	Dean, SPHSS	Best Final year student in across all Master programmes in the SPHSS	100,000
15.	University Prize	MUHAS	Best Final Year Student in MSc Nutritional Epidemiology	100,000
16.	Prof. Bruno Sunguya Prize in Nutritional Epidemiology	Prof. Bruno Sunguya	Best first year student in MSc Nutritional Epidemiology with not less than 3.8 GPA	200,000
17.	Prof. Bruno Sunguya Prize in Nutritional Epidemiology	Prof. Bruno Sunguya	First year student with the highest score in nutrition and major Global Issues with not less	200,000
18.	Prof. Bruno Sunguya prize in Nutritional Epidemiology	Prof. Bruno Sunguya	Student with the highest score in Nutritional Epidemiology Research methods with not less than 3.8 GPA in MSc Nutritional Epidemiology	200,000
19.	Prof. Bruno Sunguya Prize of published research work in Nutritional Epidemiology	Prof. Bruno Sunguya	Student who will publish or having a manuscript accepted before the graduation week in MSc Nutritional Epidemiology	200,000

10.6 INSTITUTE OF TRADITIONAL MEDICINE

S/N	PRIZE	AWARDING AUTHORITY	DESCRIPTION	AMOUNT TZS
1.	University Prize	MUHAS	Best Final Year Student	100,000/=
2	NIMR Prize	National Institute of Medical Research	Best final year student with highest score in dissertation	150,000/=