KILIMANJARO CHRISTIAN MEDICAL UNIVERSITY COLLEGE
(A constituent college of Tumaini University Makumira)

PROSPECTUS

2018

KILIMANJARO CHRISTIAN MEDICAL UNIVERSITY COLLEGE (KCMUCo)
(A constituent college of Tumaini University Makumira)
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This prospectus is intended to provide information to any party interested in the Kilimanjaro Christian Medical University College (KCMU College). It does not constitute a contract of any kind between the University College and the interested party. It was compiled on the basis of available information at the time of its preparation and is therefore, subject to change at any time without notice or obligation from time to time before and after the candidate’s admission.

In case of ambiguity in the interpretation of the information given in this prospectus, the interpretation of the Academic Board of KCMU College after consultation with the Tumaini University Senate shall be final.
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1.0 INTRODUCTION

1.1 WELCOME ADDRESS FROM THE PROVOST

Dear Students,

Kilimanjaro Christian Medical University College trains health professionals of all cadres ranging from Diplomas, Ordinary Degrees, Post Graduate Degrees and Doctor of Philosophy. Besides Post doctoral training opportunities are availed apart from continuing Education programmes.

Being a Christ-Centered Institution, the College community aspires to nurture education in an environment of love, mercy compassion and faithfulness. Students are given opportunity to learn interactively without discrimination and enabled to create an environment conducive for successful completion of the awards registered for.

As part and parcel of the KCMU-College Community, you have an intrinsic role of contributing the best you can, in creating a comfortable home to dwell by harmoniously studying and cooperating with other students and staff within the framework stipulated by rules, regulations and Students By-Laws. Your courses of study may become tedious and therefore you are advised to study diligently in order to gain adequate knowledge, skills and attitude which will enable you to contribute abundantly towards social-economic development of the nation through Comprehensive Health Care Delivery in curative, preventive, promotive and rehabilitative services to the communities which you will serve.
We are in the process of evolving into a full-fledged University. Students are the major ingredient in creating Universities. You are therefore warmly welcome to KCMU-College in order to build a future Institution with virtues of Excellency.

Prof. Ephata E. Kaaya, MD; M.MED, MSc.
PROVOST
KILIMANJARO CHRISTIAN MEDICAL UNIVERSITY COLLEGE
1.2 PRINCIPAL OFFICERS OF TUMAINI UNIVERSITY

MAKUMIRA

Chancellor
Rt. Rev. Bishop Dr. Frederic O. Shoo

Chairperson
Prof Esther Mwaikambo,

Vice Chancellor
Prof Joseph Parsalaw,

1.3 KCMUCo GOVERNING BOARD

The KCMU-College Governing Board is the supreme policy making organ in the governance of the College. The Board members are:

1. **Rt. Rev. Bishop Dr Fredric O. Shoo** - Chairman,
2. **Mr. Brighton Kilewa** - The Secretary General - ELCT
3. **Mr. Eliakimu O. Lekoringo-Bursar-TUMA**
4. **Prof. Fred Mhalu**- MUHAS representative
5. Representative from HESLB
6. **Mr. Abdalla Rajabu** MoEST
7. **Dr Otilia F. Gowele** MoHCDGEC
8. **Dr Gileard Masenga** EDR – KCMC
9. **Prof. Sia Msuya**- Chairperson CASA KCMUCo
10. **President.** KCMUCo- TUMaSO
11. **Prof. Ephata. E. Kaaya** Provost KCMUCo (ex-officio non-voting)
12. **Prof. Alfred K. Mteta.** DPAA (ex-officio non-voting member)
13. **Prof. Declare Mushi** -DPA (ex-officio non-voting member)
14. **Mr. Imani Israel** – Bursar (ex-officio non-voting member)
15. **Adv. Aniceth Boyi** Legal Officer (ex-officio non-voting member)
1.4 PRINCIPAL OFFICERS OF KCMUCo

**Provost**
Prof. Ephata. E. Kaaya, MD (UDSM), Mmed (UDSM), MSc (Berlin)

**Deputy Provost for Academics Affairs**
Prof. Kien Mteta MD, M.Med.(UDSM) MSc. Urology (TU)

**Deputy Provost Administration**
Prof. Declare Mushi, BBA(TU), MBA (MU)

**Director of Postgraduates Studies:** Prof. Grace Kinabo, BA (UDSM), MA (UDSM), PhD (Heidelberg)

**Director of Research & Consultancies**
Prof Elton Kisanga, B Pharm (UDSM), MSc, PhD (Bergen),

**Director Institute of Public Health**
Prof. Sia Msuya MD (UDSM), Mphil, PhD (Oslo)

**Dean, Faculty of Medicine**
Prof Venance Maro MD (UDSM), M.Med, (TU ), DTMPH (Berlin)

**Associate DFM** Dr Rogers Temu, MD (MUHAS), Mmed (TU)

**Dean, Faculty of Nursing**
Ms. Rogathe Machange, Diploma (KCMC) BSc (TU), MSc (Duke)

**Associate DFN** Mr Paul Kidayi (Diploma Nursing), Diploma Nursing Edu.(MUHAS), BSc Nursing (TU), MSc Epi & Bio (TUMA)

**Dean, Faculty of Rehabilitation Medicine**
Mr. H. Shangali, Adv. Dip. .P/O, (German), CPO-MOM, PDB, MSc P/O (UK)
Dean of Students
Rev. Msanya, B. Divinity, Master of Theology (TUMA), Associate

DoS – Ms Christina Mtuya, BA (UDSM), MPH (TUMA)

Ag. Bursar
Ms Shamsa Ibrahim, MBA (MZUMBE) (CPA) (T),

Legal Officer
1.5 KCMUCo ORGANOGRAM

CHANCELLOR

VICE CHANCELLOR

LEGAL OFFICER

INTERNAL AUDITOR

PROVOST

DEPARTMENT PROVOST

ACADEMIC AFFAIRS

EXAMINATIONS OFFICE

ADMISSIONS OFFICE

DEANS

DIRECTORS

PLANNING

FINANCE

ADMINISTRATION

DFM

DFR

DFN

DPS

DRC

DIPH

PROCUREMENT

COUNCIL

SENATE

COLLEGE GOVERNING BOARD

KEY:

DFM Dean Faculty of Medicine

DFRM Dean Faculty of Rehabilitation Medicine

DFN Dean Faculty of Nursing

DPS Director Postgraduate Studies

DRC Director Research and Consultancies

DIPH Director Institute of Public Health

DoS Dean of Students
Kilimanjaro Christian Medical University College is situated 4 kilometres north of Moshi Municipality on the slopes of the snowcapped Mount Kilimanjaro, Tanzania.

1.6.1 History

In the early 1960’s the government of the then Tanganyika called upon the Christian Churches in the country to establish a referral and teaching hospital for the Northern Zone. Under the leadership of the Lutheran Church, Anglican and Moravian Churches in Tanganyika established the Good Samaritan Foundation (GSF) which planned and raised money from both local and overseas partners to build and equip the Kilimanjaro Christian Medical Centre (KCMC) for service, teaching and research. The KCMC was opened in March 1971 after completion of the hospital buildings and was immediately taken over by the Tanzania Government. It was, however, handed back to the GSF in August 1992. The changes in Government policy to liberalize the economy and provision of social services rekindled the desire for higher education within the circles of the Evangelical Lutheran Church in Tanzania (ELCT). In 1993 the Executive Council of the ELCT decided to establish a Lutheran university, “Tumaini University,” comprising, among others, The Kilimanjaro Christian Medical College.

The Medical College became operational on 1st October 1997 under the name of “Kilimanjaro Christian Medical College KCM College” starting with the Faculty of Medicine and soon afterwards expanded to incorporate more faculties, institutes and directorates as shown hereunder.

i. Faculty of Medicine
ii. Faculty of Nursing
iii. Faculty of Rehabilitation Medicine
iv. Directorate of Postgraduate Studies
v. Directorate of Research and Consultancies
vi. Institute of Public Health
The College adopted the new name of Kilimanjaro Christian Medical University College (KCMU College) in 2010 after a grant of Charter pursuant with the provisions of the Universities Act no 7 of 2005 and Universities (Chartering, Registration and Accreditation Procedures) Regulations of 2006, G.N No. 39 of 21st April 2006, the latter repealed and replaced by the Universities (General) Regulations, Government Notice No.226 published on 19th July 2013.

1.6.2 Vision Statement

The vision of the Kilimanjaro Christian Medical University College is to be a centre of excellence in teaching, research and development of health professionals who influence society through dignified health care delivery to promote the love and compassion of Christ.

1.6.3 Mission Statement

The mission of the College is teaching, research and healing in order to proclaim Christ, in the sense that:

- We are called to serve by teaching so that people can see the light;
- Through healing services, the people of Tanzania can be set free from bondage of disease and spiritual sickness;
- By creating knowledge through research, the people of Tanzania can be masters of their physical environment and overcome poverty.

1.7 PROGRAMMES CURRENTLY BEING OFFERED

A DIPLOMA PROGRAMMES

1. Occupational Therapy (Dipl O-T, under the Faculty of Rehabilitation Medicine):
2. Health Laboratory Sciences (Dipl HLSc, under the Faculty of Medicine):
3. HIV / AIDS (Dipl.HIV AIDS care, under the Faculty of Nursing)

B DEGREE PROGRAMMES

1. Bachelor of Science in Prosthetics and Orthotics (BSc. Prosth / Orth)
2. Bachelor of Science in Physiotherapy (BSc Physio)
3. Bachelor of Science in Nursing (BSc.N)
4. Bachelor of Science in Health Laboratory Sciences (BSc HLSc)
5. Bachelor of Science in Optometry (Bsc Opt)
6. Bachelor of Pharmacy (B-Pharm )
7. Doctor of Medicine (MD)

C POSTGRADUATE PROGRAMMES

Master of Public Health (MPH)

Master of Science (MSc)

1. MSc in Clinical Research
2. MSc in Epidemiology and Applied Biostatistics
3. MSc in Medical Microbiology, Immunology with Molecular Biology
4. MSc in Medical Parasitology and Entomology
5. MSc in Urology
6. MSc in Midwifery
7. MSc in Anatomy and Neuro Science
Master of Medicine (MMed)

1. MMed in Dermato-Venereology
2. MMed in Diagnostic Radiology and Medical Imaging
3. MMed in General Surgery
4. MMed in Internal Medicine
5. MMed in Obstetrics and Gynaecology
6. MMed in Ophthalmology
7. MMed in Orthopaedic Surgery
8. MMed in Paediatrics and Child Health
9. MMed in Pathology
10. MMed in Urology
11. Mmed Otorynolaryngology (ENT)

Doctor of Philosophy (PhD)

1. PhD in Public Health
2. PhD in Biomedical Sciences
3. PhD in Clinical Medicine
2.0 ADMISSION PROCEDURES

2.1 GENERAL INFORMATION

Inquiries about admission into the Medical College for courses under the college should be addressed to:

The Admissions Officer
Kilimanjaro Christian Medical University College,
P.O. Box 2240, Moshi, Tanzania Tel: +255 (027) 2753616
Fax: +255 (027) 2751351
E-mail: admission@kcmuco.ac.tz
Website: www.kcmuco.ac.tz

2.2 ADMISSION AND REGISTRATION REGULATIONS

2.2.1 A candidate is admitted to KCMU-College on the understanding that in accepting the admission he/she commits himself/herself to adhere to its statutes, regulations, charter rules and by-laws. KCMU-College is an institution of higher learning and expects student behaviour on and off campus to be moral, ethical and legal. The college reserves the right to withdraw admission for conduct that is contrary to the objectives of the college.

Undergraduate admission process: All applications should be made through Tanzania Commission for of Universities (TCU) at this website www.tcu.tz.ac

Postgraduate admission process: Application forms can be obtained from KCMUCo website(www.kcmuco.ac.tz). Completed application forms and all necessary supporting documents should be submitted to the admissions office before the end of June of the year for which admission is being sought.
Applications with relevant attachments, as shown below, should be addressed to the address above.

a. A copy of financial receipt in respect of application fees paid.

b. Completed application forms with copies of certified certificates

c. Completed medical examination forms

2.2.3 The academic year begins in the month of October each year (unless otherwise stated). This is preceded by the orientation week for first year students.

2.2.4 Registration

a. All students (including on-going students) must register with the Admissions Office at the first two weeks of every semester or on return from vacation.

b. Students will only be registered upon payment of prescribed fees whose amount shall be determined from time to time.

c. Fees are payable in full at the beginning of the academic year or in two equal instalments at the beginning of each semester.

d. Fresh students must register themselves within two weeks from the first day of the orientation week.

e. Continuing students must complete all registration formalities within two weeks of the beginning of the semester.

f. No student shall be allowed to register or attend classes or sit for examinations at the college unless the required documents and fees had been submitted. Any student attempting to attend classes or access any other College facility without payment is subject to expulsion

g. Late registration will attract a penalty of 100,000/- TSh or 100/- USD.
h. No student arriving two (2) weeks after the academic semester has started will be allowed to register.

2.2.5 No students shall be allowed to postpone/freeze studies after the academic year has begun except under special circumstances. Permission to postpone studies shall be considered after producing satisfactory evidence of the reasons for postponement. Special circumstances shall include ill health and serious social problems.

2.2.6 No student shall be allowed to postpone studies during the two weeks preceding final examination but may be considered for postponement of examination.

2.2.7 For students who have been selected and registered postponement may be allowed for a period of one year only. In such cases however, placement in the following years is not guaranteed and may depend on availability of vacancies. When postponement has been allowed, the student needs to write to the college to confirm interest to join the relevant programme the following year. This confirmation should be done at least six (6) months prior to the beginning of the respective academic year. Beyond this time, the student will be required to reapply a new.

2.2.8 Students may be allowed to be away from studies for a maximum of two years, in case of undergraduate studies and one year in case of postgraduate studies. If they are to be allowed, they will be re-admitted to the same year of studies where they left off.

2.2.9 Student identification card
   a. Students shall be issued identification cards, which they should wear at all times within the campus.
b. The identity card is not transferable and any fraudulent use may result in loss of student privileges or suspension.

c. Loss of the identity card should be reported to the office of Dean of Students where a new one can be obtained for TShs. 10,000/= (ten thousand only)

2.2.10 Academic integrity

a. The academic community of Tumaini University believes that one of the goals of a Christian Institution of higher education is to strengthen academic integrity and responsibility among its members. To this end, the University emphasizes the importance of sound judgment and personal sense of responsibility in each student. All members of the academic community are expected to respect the highest standards of academic integrity.

b. Academic dishonesty is a serious offence at Tumaini University Makumira because it undermines the bonds of trust and personal responsibility between and among students and faculty, weakens the credibility of the academic enterprise, and defrauds those who believe in the value of integrity of the degree or diploma.

c. A student who commits an act of academic dishonesty shall face disciplinary action.

2.2 ADMISSION REQUIREMENTS

General: - All courses are taught in English. Therefore it is imperative that students are proficient in reading, writing and speaking English. It is upon the candidate to satisfy oneself that he/she meets this important requirement and provides evidence thereof (e.g. TOEFL Test of English as Foreign Language) with a score of 65 and above or equivalent) registering for any course at this college.
Holdders with foreign certificates

All applicants holding foreign qualifications must have their qualifications validated and equated by the respective regulatory bodies before submitting their applications for admission as follows

I. The National Examination Council of Tanzania in respect of certificates secondary education and teaching education; and
II. The National Council for Technical Education in respect to NTA level 6 qualification

2.3 TRANSFER FROM ONE PROGRAMME TO ANOTHER

Students who are recommended to repeat the first year of study may, subject to the approval of the College Academic Board and the Senate be allowed to transfer to a programme of their choice provided they meet the entry requirements of the programme.

2.4 TRANSFER STUDENTS FROM ANOTHER UNIVERSITY

Students transferring from another University, which has a similar curriculum, will be considered for exemption by the Academic Board from taking corresponding courses and as per Tanzania Commission for Universities (TCU) guidelines of transferring students. Transfer will be accepted if the student will have more than 50% of the remaining training time in our University
A. DIPLOMA PROGRAMMES

2.5. DIPLOMA IN HEALTH LABORATORY SCIENCES

2.5.1. Direct Entry:

a. Ordinary Level Secondary Education Examination (CSEE) with minimum passes of “C” credits in Chemistry, Biology; and “D” passes in, Physics, Mathematics and English Language.

2.5.1.2 Equivalent Entry:


b. A certificate in Medical Laboratory Assistant trained through knowledge based Curriculum and successful passed bridging program (NTA level 5 semester 1 module
c. Technician Certificate in Medical Laboratory Sciences or equivalent with a score of b and above and working experience as Assistant Technologist for at least two year.

2.5.2 DIPLOMA IN HIV AND AIDS CARE

a. Ordinary Level Secondary Education Certificate with three credits or five passes in biology, chemistry and physics/mathematics.

b. A Diploma/Advance Diploma in nursing, clinical medicine, social work, counselling, and teaching from an approved and recognized institution by TCU or NACTE.

c. A professional development profile or comprehensive professional and personal curriculum vitae.

d. Employed in the field of HIV & AIDS with a minimum of one year experience.
2.5.3 DIPLOMA IN OCCUPATIONAL THERAPY

2.5.3.1 Direct Entrants

a. Ordinary Level Secondary Education Examination (CSEE) from recognized institutions with credit passes (minimum grade of C) in Biology and two credit passes (minimum grade of C) in any of the following subjects, Chemistry, Physics, Physical Science, Economics, Mathematics or Geography or

b. Advanced level Secondary School Education certificate (A level) as an added advantage and must have obtained at least **ONE** principle pass in any of the following subjects, biology, chemistry, Physics, Mathematics, Economics and Geography.

2.5.3.2 Equivalent Entry

a. Ordinary Level Secondary Education Certificate (O-level) with at least two passes (minimum grade of D) in any of the following subjects; Biology, Physics, Chemistry, Physical Science, Geography, Economics and Mathematics.

b. A certificate in Allied Health Science professions such as in Physiotherapy, Orthopedic technologist, wheelchair technologist, special needs teachers, speech therapist or Nutritionist, Community Health may be considered for the program.

c. At least three years working experience
**B. DEGREE PROGRAMMES**

**2.5.4 BSc HEALTH LABORATORY SCIENCES**

2.5.4.1 Direct Entry

a. Ordinary Level Secondary Education Certificate with three credits or five passes in biology, chemistry and physics/mathematics.

b. Advanced level Secondary School Education certificate with at three principal passes in Physics, Biology and chemistry with minimum entry of **6 points where one must have at least C grade in Chemistry and at least D grade in Biology and E grade in Physics**

2.5.4.2 Equivalent Entry

a. Ordinary Level Secondary Education Certificate with at least Five (5) passes including two (2) credit passes in Biology and Chemistry and a D grade physics PLUS appropriate Diploma with an average of “B+” or GPA of 3.5

b. Relevant Advanced level Secondary Education School Certificate is an added advantage.

**2.5.5 BSc NURSING**

2.5.5.1 Direct Entry qualifications

a. Ordinary Level Secondary Education Certificate with three credits or five passes in biology, chemistry and physics/mathematics. AND

b. Advanced level Secondary School Education certificate with three principals with “C” in Chemistry “D” in Biology and “E” in Physics/Mathematics/Nutrition and a minimum point aggregate of 6. For those with CBN must have a credit in Physics & Mathematics in O-Level.
2.5.5.2 Equivalent Entry qualifications


b. A Diploma in Nursing certificate with with an average of “B+.” or GPA of 3.5 from an approved and recognized institution by TCU or NACTE in anatomy, physiology, pathology, physiotherapy / therapeutic skills, and clinical practice during the period of diploma study OR

c. BSc (Lower second) majoring in Physics/Mathematics, Chemistry, Biology/Zoology.

d. Relevant Advanced level Secondary School Education certificate is an added advantage.

e. The applicant must have at least 3 years work experience.

2.5.6 BSc PHYSIOTHERAPY

2.5.6.1 Direct Entry

a. Ordinary Level Secondary Education Certificate with three credits or five passes in biology, chemistry and physics/mathematics. AND

2.5.6.2 Equivalent Entry


b. A Diploma in Physiotherapy certificate with with an average of “B+.” or GPA of 3.5 from an approved and recognized institution by TCU or NACTE in anatomy, physiology, pathology, physiotherapy / therapeutic skills, and clinical practice during the period of diploma study OR

c. BSc (Lower second) majoring in Physics/Mathematics, Chemistry, Biology/Zoology.

d. Relevant Advanced level Secondary School Education certificate is an added advantage.

e. At least two years of working experience in a respective field

2.5.7 BSc PROSTHETICS/ORTHOTICS

2.5.7.1 Direct Entry:

a. Ordinary Level Secondary Education Certificate with three credits or Five (5) passes in Biology, Chemistry and Physics/Mathematics AND

2.5.7.2 Equivalent Entry


b. A Diploma in Orthopaedic Technology Certificate from an approved and recognized institution by TCU or NACTE with an overall average of grade B+ pass or above in mathematics, mechanics, biomechanics, pathology, prosthetics and orthotics during the period of diploma study or a GPA of 3.5 OR

c. BSc (Lower second) majoring in Physics/Mathematics, Chemistry, Biology/Zoology.

d. Relevant Advanced level Secondary School Education certificate is an added advantage.

e. At least two years of working experience in a respective field

2.5.8. BSC OPTOMETRY

2.5.8.1 Direct Entry

a. Ordinary Level Secondary Education Certificate with three credits or five passes in biology, chemistry and physics/mathematics AND

2.5.8.2 Equivalent Qualification


b. Diploma in Optometry from approved and recognized Institutions and average of B+ grade in Diagnosis and management of ocular diseases, Visual Science, Physiological Optics and Visual Perception, Dispensing theory and Material Knowledge, Ophthalmic Dispensing Theory, Clinical Optometry and Ophthalmic dispensing Practical or a GPA of 3.5 OR

c. BSc (Lower second) majoring in Physics/Mathematics, Chemistry, Biology/Zoology.

d. Relevant Advanced level Secondary School Education certificate is an added advantage.

e. At least two years of working experience in a respective field

2.5.9 DOCTOR OF MEDICINE (MD)

2.5.9.1 Direct Entry:

a. Ordinary Level Secondary Education Certificate with three credits or five passes in biology, chemistry and physics/mathematics

b. Advanced level Secondary School Education certificate with three principals with a “C” in Chemistry and Biology and at least “D” in Physics and a minimum point aggregate of 8 points.
2.5.9.2 Equivalent Qualifications


b. A Diploma in Clinical Medicine passed at B+-level or above or a GPA of 3.5 from an approved and recognized institution by TCU or NACTE or holders of first degree or its equivalents majoring in Biology, Zoology or Chemistry from an approved and recognized institution by TCU or NACTE OR.

c. BSc (Lower second) majoring in Physics/Mathematics, Chemistry, Biology/Zoology.

d. At least two years continuous working experience intern experience inclusive.

e. Relevant Advanced level Secondary School Education certificate is an added advantage.

C. MASTER PROGRAMMES

2.5.10 MASTER OF PUBLIC HEALTH

2.5.10.1 Minimum Entry requirements

a. An MD or DDS Degree from a recognised University with two year of field experience, including internship. (A “B” grade and above in Research or Community/Public health related subjects is required)

b. A first degree with at least a lower second class (GPA > 3.0 or B+ for unclassified degree) in health related fields from an approved and recognized institution by TCU or NACTE and at least 1 years work experience in a health related, health delivery or health intervention work.
2.5.11 MSc CLINICAL RESEARCH

2.2.10.1 Minimum Entry Requirements

a. Doctor of Medicine (MD) degree or equivalent or
b. Bachelor of Science (BSc GPA >3.0 or a minimum of B+ grade in unclassified degrees) in Biology, Zoology, Microbiology, Environmental Health or other biomedical sciences or
c. An equivalent degree in the health related sciences (BSc GPA >3.0 or a minimum of B grade in unclassified degrees).

2.5.12 MSc EPIDEMIOLOGY AND APPLIED BIOSTATISTICS

2.5.12.1 Minimum Entry Requirements

a. A Bachelor degree in medicine, dentist, statistics, demography or biological sciences with a Minimum GPA > 3.0 for classified degrees or a minimum of B+ grade for unclassified degrees
b. Applicant with bachelor in biological sciences, MUST in addition have studied basic or advanced mathematics in high school and have passed with a credit.
c. Applicant with a bachelor degree in statistics or demography MUST in addition have studied biology subject during ordinary or advanced level of secondary school and passed with credit
d. Applicant with a bachelor degree in Medicine and dentist MUST in addition have studied Epidemiology & Biostatistics subjects and passed with a B credit
e. All applicants should have at least one year of work experience after completion of their undergraduate training.
f. All certificates must be from an approved and recognized institution by TCU or NACTE

2.5.13 MSc MEDICAL MICROBIOLOGY, IMMUNOLOGY WITH MOLECULAR BIOLOGY

2.5.13.1 Minimum Entry Requirements

a. Bachelor of Science in Biological Sciences such as, Medicine, Veterinary medicine, Microbiology, Biology, Zoology, Biochemistry, Molecular biology and Biotechnology, with GPA of 3.0 or more for classified degrees or a minimum of B+ grade for unclassified degrees; or equivalent qualifications.

b. All certificates must be from an approved and recognized institution by TCU or NACTE

2.5.14 MSc MEDICAL PARASITOLOGY AND ENTOMOLOGY

2.5.14.1 Minimum Entry Requirements

a. Doctor of Medicine (MD) or equivalent or

b. Bachelor of Science (BSc) in Biology, Zoology, Microbiology, Environmental Health or Animal Science with a GPA > 2.7 or a minimum of B+ grade for unclassified degrees)

c. All certificates must be from an approved and recognized institution by TCU or NACTE

2.5.15 MSc IN UROLOGY

2.5.15.1 Minimum Entry Requirements

d. An MD Degree from a recognised University with a minimum pass of B grade

a. An M.Med degree in General Surgery or equivalent
b. Confidential report from the employer on your performance in the field after internship

2.5.16 MSc MIDWIFERY

2.5.16.1 Minimum entry Requirements

a. Bachelor’s degree in nursing with a GPA of 2.7 or above for classified degree or a minimum of B+ Grade for unclassified degree
b. The candidate must be a qualified nurse midwife and registered with Tanzania Nurses and Midwives Council (TNMC)
c. Have a valid midwifery license to practice
d. Have a minimum of two years working experience in nursing and/or midwifery

2.5.17 MSc ANATOMY AND NEURO SCIENCE

2.5.17.1 Minimum entry Requirements

e. Doctor of Medicine (MD) or equivalent with a minimum pass of B grade
a. Bachelor of Science (BSc) in Biology, Zoology or Veterinary Medicine with a GPA> 2.7 or a minimum of B+ grade for unclassified degrees)

2.5.18 MASTER OF MEDICINE PROGRAMMES

2.5.18.1 Minimum Entry Requirements

a. An MD Degree from a recognised University and a score of B on the subject of specialization
b. At least two years post-degree experience (which includes one year internship)
c. Certificate of internship in an approved hospital
d. Confidential report from the employer on your performance
e. Medical fitness as specied by the specific programme

2.5.19 DOCTOR OF PHILOSOPHY (PhD)

2.5.19.1 Minimum Entry Requirements
a. Hold a relevant Master degree (after has attained the first degree), either MMed, MSc, MPH or a relevant Master degree of equivalent from another approved University, with a minimum GPA of 3.0 or minimum pass of B+ grade
b. Applicants with a minimum pass of B may be considered if they have a strong research background with track record of publications
c. A preliminary PhD research proposal of maximally 15 pages must be submitted

3.0 BURSARIES AND FEES

3.1 INTRODUCTION

3.1.1 Payment of fees and other financial obligations are a contract between the University College and the students. It is the sole responsibility of the student to solicit for the fees and deposits and pay in a timely fashion.

3.1.2 With exception of finalists, excess fees paid by sponsor/guardian/parent shall be carried forward to the next academic year.

3.1.3 Fees paid will not be refunded if a student withdraws or leaves the College without permission.
3.1.4 The College accounts are for College activities only and personal funds should not be routed through the accounts.

3.1.5 Double sponsorship is not allowed. In such an event the fees of one of the sponsors will be returned to the sponsor.

3.1.6 Fee and other payments should be made directly to the College Bank account and a pay-in-slip shall be presented and receipted for registration purposes.

The College accounts are as follows:

Local Account: (TShs)
Kilimanjaro Christian University Medical College
Account no: 017101001339 NBC Moshi Branch

Forex Account (Dollar account)
Account no: 017105000676
NBC Moshi Branch
SWIFT CODE. NLCBTZTX
P. O. Box 3030, MOSHI
3.2 FEE STRUCTURE

3.2.1 The tables below present estimates of typical costs for different programmes at the University College.

3.2.2 Actual costs will vary depending upon the specific year and needs of the student.

3.2.3 Foreign students shall be required to pay for resident permit, and must check the prevailing amount as may be determined by the Government from time to time.

3.2.4 The University College reserves the right to change any fees, deposits, and other charges or any other provisions of this section at any time and without prior notification to the student or their sponsor and any such changes shall have immediate effect.
### 3.2.5 DIRECT UNIVERSITY COSTS - ALL STUDENTS

#### 3.2.5.1. DIRECT UNIVERSITY COSTS: DIPLOMA IN HEALTH LABORATORY SCIENCES

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<th>Year 3</th>
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* Medical Expenses Capitation: Applies to non insured students

*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly*
### 3.2.5.2. DIRECT UNIVERSITY COSTS FOR DIPLOMA IN OCCUPATIONAL THERAPY & HIV/COUNSELLING

#### DIPLOMA IN OCCUPATIONAL THERAPY & HIV/COUNSELLING (Tshilings)

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*Medical Expenses Capitation:*  
Applies to non insured students
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### DIRECT UNIVERSITY COSTS FOR BSc NURSING

**BACHELOR OF SCIENCE IN NURSING PROGRAMME (TShilings)**

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*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly

*Medical Expenses Capitation: Applies to non insured students*
# BACHELOR OF SCIENCE IN NURSING (USD)

## DIRECT COLLEGE COSTS

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<th>Item Description</th>
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<th>Year 3</th>
<th>Year 4</th>
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</thead>
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## STIPEND TO BE PAID TO STUDENT

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<th>Year 3</th>
<th>Year 4</th>
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<td>Year 2</td>
<td>Year 3</td>
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<tr>
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*Medical Expenses Capitation: Applies to non insured students

### 3.2.5.5. DIRECT UNIVERSITY COSTS FOR BSc HEALTH LABORATORY SCIENCES

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<td>Year 2</td>
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*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly

*Medical Expenses Capitation: Applies to non insured students

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**BACHELOR OF SCIENCE IN HEALTH LABORATORY (USD)**

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<td>Item Description</td>
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<td>Year 2</td>
<td>Year 3</td>
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<tr>
<td>Graduation</td>
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<tr>
<td>TCU QA</td>
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<td>Teaching/Lab Material</td>
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**STIPEND TO BE PAID TO STUDENT**

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*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly

*Medical Expenses Capitation: Applies to non insured students
## 3.2.5.6. DIRECT UNIVERSITY COSTS FOR BSc PHYSIOTHERAPY

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<tr>
<td>ID card</td>
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<tr>
<td>*Medical capitation</td>
</tr>
<tr>
<td>Tuition</td>
</tr>
<tr>
<td>ICT facilitation</td>
</tr>
<tr>
<td>Field work supervision</td>
</tr>
<tr>
<td>Examination</td>
</tr>
<tr>
<td>Research</td>
</tr>
<tr>
<td>Graduation</td>
</tr>
<tr>
<td>Students union</td>
</tr>
<tr>
<td>TCU QA</td>
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<tr>
<td>Caution Money</td>
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<td><strong>TOTAL PAYABLE TO COLLEGE</strong></td>
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### STIPEND TO BE PAID TO STUDENT

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<th><strong>Year 2</strong></th>
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* Medical Expenses Capitation: Applies to non insured students

** Resident Permit: Liable to change depending on Tanzanian Government Policy/Regulation
### DIRECT UNIVERSITY COSTS FOR BSC PROSTHETICS/ORTHOTICS

**BACHELOR OF SCIENCE IN PROSTHETIC & ORTHOTICS (Tshillings)**

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**STIPEND TO BE PAID TO STUDENT**

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*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly
* Medical Expenses Capitation: Applies to non insured students
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<th>Year 3</th>
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* Medical Expenses Capitation: Applies to non insured students
**Resident Permit: Liable to change depending on Tanzanian Government Policy/Regulation
### BACHELOR OF SCIENCE IN OPTOMETRY (Tshilings)

#### DIRECT COLLEGE COSTS

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<th>Year 3</th>
<th>Year 4</th>
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#### STIPEND TO BE PAID TO STUDENT

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#### TOTAL COLLEGE/STUDENT COSTS

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*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly

*Medical Expenses Capitation: Applies to non insured students*
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- *Medical Expenses Capitation: Applies to non insured students*
- **Resident Permit: Liable to change depending on Tanzanian Government Policy/Regulation**
### 3.2.5.9 DIRECT UNIVERSITY COSTS FOR DOCTOR OF MEDICINE (MD)

**DOCTOR OF MEDICINE DEGREE PROGRAM (TShilings)**

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*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly
* Medical Expenses Capitation: Applies to non insured students
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- Medical Expenses Capitation: Applies to non insured students
- **Resident Permit: Liable to change depending on Tanzanian Government Policy/Regulation**
### 3.2.5.10 DIRECT UNIVERSITY COSTS FOR – MPH & MASTER OF SCIENCE PROGRAMMES

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### Notes:
- The table above outlines the direct university costs for MPH and Master of Science programmes for Year 1 and Year 2.
- Costs are categorized into various fees and charges, including application fee, registration fee, identity card, caution money, medical capitation, student union fee, quality assurance, tuition fees, exam fees, and ICT facilitation.
- The costs are differentiated between local and international students for each year.

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*For Tanzanians-Health Insurance Card Holders will pay TZS 49,600/- yearly*

**KEYS**
- **EB** = Epidemiology & Applied Biostatistics
- **URO** = Urology
- **CL** = Clinical Research
- **PA** = Parasitology/Entomology
- **MMIM** = Microbiology Immunology & Molecular Biology
- **MW** = Midwifery-
- **AN** = Anatomy
### 3.2.5.11 DIRECT UNIVERSITY COSTS FOR - MASTER OF MEDICINE (MMED)

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### 3.2.5.12 DIRECT UNIVERSITY COSTS FOR DOCTOR OF PHILOSOPHY (PHD)

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* Dissertation production is given during first year for MPH, second year for MSc and MMED and in year 3 for PhD. Where as Fieldwork allowance is given to MPH in the first year, Second year for MSc and MMED

**This depends on the nature of a research work. It usually ranges between TZS15,000,000 for public health related research to over 50,000,000 for lab based research work. The actual cost is determined during the development of a research proposal

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4.0 CHAPTER FOUR:-

EXAMINATION REGULATIONS

Examinations regulations are controlled by the Deputy Provost for Academic affairs. College examinations are supervised by invigilators drawn from the academic staff appointed by the respective faculties.

4.1. Definitions:

4.1.1. For the purposes of these Regulations unless the context requires otherwise:

4.1.1.1. A course is that part of a subject described by a coherent syllabus and taught over a specified period. A course is designated as one or more units of study. A credit of study will depend on the requirements of the particular course concerned. A course is designated as one or more units of study.

4.1.1.2. An academic year shall normally be composed of semester which may depend on specific requirements of the course.

4.1.1.3. College Academic Board is the supreme academic organ at the Constituent College level.

4.1.1.4. Continuous Assessment is any form of evaluation made during the course of the academic year such as tests, graded practicals, projects and assignments.

4.1.1.5. Special Examinations are those which after approval by the College Academic Board and the Senate, are administered to candidates who fail to sit for regular examinations for reason acceptable to the Academic Board and the Senate.

4.1.1.6. Supplementary examinations are those examinations which, subject to approval by the College Academic Board and the Senate, are administered to candidates who fail to obtain a pass in the specified number of units during the academic year.
4.1.1.7. University Examinations- are all those examinations, assessments or evaluations that are considered in determining whether or not a student shall proceed to the following year of study in the Constituent College or qualifies to graduate.

4.1.1.8. Regular University Examinations- are those scheduled examinations at the end of each academic year or as determined by the Senate.

A credit of study will depend on the requirements of the particular course concerned.

4.1.2 Subject to Constituent College Regulations, all matters concerning University Examination shall be supervised by the Deputy Provost Academic Affairs under the general direction of Provost.

4.1.3 The College Academic Board shall have authority in all matters affecting examinations, including the setting, conduct, marking and declaration of results at Constituent College level.

4.1.4 The University Senate shall have overall authority in all matters affecting examinations at the University level and the Senate decision in examination matters shall be final.

4.1.5 Exemptions:

a) The College Academic Committee in consultation with the Senate, may grant the Faculty exemption from any of the requirements of these regulations.

b) The College Academic Committee in consultation with the Senate may grant any student(s) exemption from any of the requirements of these regulations.
4.2 GENERAL EXAMINATION GUIDELINES

4.2.1 Guidelines for University examinations shall be presented through the Faculty Committee and College Academic Committee for approval by Senate.

4.2.2 Final examinations are controlled by the Deputy Provost for Academic Affairs, and are scheduled during the last two weeks of each semester.

4.2.3 Unless the College Academic Committee in consultation with the Senate directs otherwise all courses shall be examined within the year in which they are taken.

4.2.4 A student shall not be allowed to sit for a University Examination in a course if he/she has missed 20% or more of the scheduled semester class periods for each course and has not completed all course requirements.

4.2.5 The Deputy Provost for Academic Affairs shall publish a list of candidates registered for examinations, at least, two weeks before the beginning of the examinations and shall issue each eligible candidate with an examination number. The list shall be made available to Heads of Department accordingly.

4.2.6 Senior Invigilators must ensure that they have registration lists for candidates registered for each paper in the room in which the examination is being taken.

4.2.7 Final examinations account for 50% (or more than 50% in some courses) of the final course grade.

4.2.8 Coursework grades will be presented to the student by the Faculty Dean or by the respective course coordinator before the end of semester examinations.

4.2.9 A student who finds that the declared grades do not match with the scores on his/her assignment/test examination workbook should report to the respective course coordinator within the
allowed period specified by the coordinator. The course instructor shall then submit the student grades to the Faculty Dean.

4.2.10 The Deputy Provost for Academic Affairs shall bar any student from being admitted to any examination in any subject or course where the Deputy Provost for Academic Affairs is not satisfied that the student has satisfactorily completed, by attendance or otherwise, the requirements of the subject or course.

4.2.11 Where a student who has been barred from examination sits for a paper, his or her paper shall be null and void.

4.2.12 Where the prospectus’ guideline and curriculum collide, the prospectus shall prevail.

4.2.13 A candidate who fails to present himself for examinations will be deemed to have failed (‘E’ grade) that part of the examinations.

4.2.14 Academic integrity

a. The academic community of Tumaini University believes that one of the goals of a Christian Institution of higher education is to strengthen academic integrity and responsibility among its members.

b. To this end, the University emphasizes the importance of sound judgement and personal sense of responsibility in each student.

c. All members of the academic community are expected to respect the highest standards of academic integrity.
4.2.14 Academic dishonesty

a. Academic dishonesty is a serious offence at Tumaini University because it undermines the bonds of trust and personal responsibility between and among students and faculty, weakens the credibility of the academic enterprise and defrauds those who believe in the value of integrity of the degree or diploma.

b. A student or staff member who commits an act of academic dishonesty shall face disciplinary action.

c. Academic dishonesty can take several forms such as:
   i. Cheating - Intentionally using or attempting to use unauthorised materials, information, or study aids in any academic exercise (tests, exercises, examination, etc.)
   ii. Fabrication - Intentional and unauthorised falsification
   iii. or invention of any information or citation in an academic exercise
   iv. Facilitating Academic Dishonesty – Intentionally or knowingly helping or attempting to help another student commit a breach of academic integrity.
   v. Plagiarism – representing the words or ideas of another as one’s own in any academic exercise.

d. A student who commits an act of academic dishonesty shall face disciplinary action ranging from failure to receive credit on an academic exercise to dismissal from the College.

e. Students who have been discontinued from the programme on the grounds of inadequate academic performance may reapply to the programme only if:
   i. At least one academic year has passed since their dismissal, and
   ii. They can provide evidence of extra-mural studies to improve their academic standing.
4.2.15 Eligibility for examination

a. Students will be eligible to sit for an examination if they have fulfilled the following conditions:
   i. Students must have attended at least 80% of the scheduled semester class periods for each course and have completed all course requirements
   ii. Students must not have missed more than 10 consecutive days of class
   iii. No candidate shall be allowed to sit for a paper for which he/she has not registered.
   iv. To be eligible to sit for a University Examination, a student must have attempted the required number of Continuous Assessment Tests (CATs) on the course being examined.
   v. Students who do not complete assigned work by the end of the semester shall not be allowed to sit for semester examinations.

NB: Under extenuating circumstances, the DPAA in consultation with the Dean of Students, the respective Faculty Dean and Course Instructor, may waive the attendance requirements.

4.3 REGULATIONS FOR CONDUCT OF EXAMINATIONS

4.3.1 Modes of Examinations

Examinations in the Faculty will be conducted in a combination of any of the following modes, depending on the specific requirements of the course, year of study and in accordance with the Examination schedule

a. Written Examination
b. Viva Voce (Oral) Examination
c. Practical Examination
d. Clinical Examination
4.3.2 Continuous Assessment

a. Candidates should make sure that they have been issued with Examination Numbers before Examinations begin.

b. The minimum number of Continuous Assessments per subject, per semester or per year shall depend on specific requirements of the course concerned.

c. Continuous Assessments should be spread evenly throughout the teaching period for the subject content, and the last one at least two weeks before the beginning of the end of year examinations.

d. Continuous assessment shall include all in-course assessments and those assessment tests conducted at the end of each course.

e. Departments shall maintain a record of marks of Continuous assessments, sample assignments and question papers.

f. The records shall be made available to the external examiners.

g. Students are required to register when appearing for tests/examinations, when submitting assignment workbooks, as well as when receiving marked assignment workbooks.
4.3.3 Invigilation and conduct of Examinations

a. Invigilators who are normally academic members of staff shall be appointed and briefed by the Head of Department who is the Chief Internal Examiner.

b. The internal Examiner for any particular examination paper shall normally be one of the invigilators.

c. Names of invigilators for various examination timetables shall be sent to the Deputy Provost for Academics one month before the start of the examinations.

d. At least two invigilators shall be allocated to each examination room and at least one must be in the examination room throughout examination time.

e. The Deputy Provost for Academic Affairs shall appoint one of the Senior Invigilators to co-ordinate invigilation in each examination room where several examinations are taking place.

f. Instructions to candidates and invigilators shall be published at the end of each semester by the Deputy Provost for Academic Affairs, setting out details of procedures to be followed in the conduct of examinations.

g. The Chief Invigilator shall collect all examination papers and related materials from the Examination’s Office, at least half an hour before the start of all respective examinations.

h. The Chief Invigilator shall ensure that all examinations start and end on time.

i. The Invigilators, under the direction of the Chief Invigilator shall be responsible for the security and laying out of the examination papers and for such other
duties as may be specified in the instructions to invigilators.

j. Invigilators shall remain in the examination room throughout the examination.

k. In case where the Invigilator is unable to be present at the start of the examination, he/she shall inform the Head of Department who shall then nominate a replacement from the Department concerned.

l. Internal Examiners shall certify the total number of scripts received from the record of candidates who have taken the examination.

m. There shall be an examination report sheet in which the students shall sign upon submission of the script and the invigilators comments about the conduction of the examination.

4.3.4 Irregularities in conduction of Examinations

Inappropriate conduct by a student concerning examinations impairs academic integrity, and will subject the offending student to suspension. Such examination irregularities can include, but are not limited to:

a. No unauthorised material (for example purses, electronic equipment such as cell-phones and pagers) shall be allowed into examination premises.

b. Reading other candidate’s answer scripts.

c. Attempting to copy or making reference to the unauthorized materials in the examination room.

d. Communicating with other students, either verbally or through other means, during the examination without permission from the invigilator.
e. Permitting another candidate to copy from someone’s paper.

f. Impersonation or endeavouring to obtain assistance from any other candidate directly or indirectly or endeavouring to give assistance to any other student.

g. Removing examination answer books/sheet from examination room.

h. Starting to attempt the examination before being authorised to do so.

i. Continuing the examination after being ordered to stop.

j. Borrowing of materials such as calculators, rulers, correcting fluid and pens among students during examinations.

k. Destroying or attempting to destroy evidence relating to any suspected irregularity.

l. Failing to comply with any other examination rules, regulations, or directions given by an invigilator.

m. Plagiarism and Reproducing the works of another person or persons in course work assignments without acknowledgement and with intent to deceive.

n. Absconding examinations.

4.3.5 Procedure for dealing with irregularities

a. Prior to the beginning of each examination, invigilators shall draw to the attention of candidates the seriousness of irregularities in examinations.

b. If an invigilator suspects a student of examination irregularities
   the following steps shall be taken:
   i) The student shall be approached immediately.
ii) Any unauthorized material in the possession of the students, as well as his/her answer book and examination question paper shall be confiscated.

iii) Ensure that the incidence is witnessed by another person to verify the matter.

iv) The invigilator shall report in writing to the Deputy Provost for Academic Affairs within 24 hours;

v) The Deputy Provost for Academic Affairs shall require the student to submit a written statement concerning the incidence within 24 hours after receiving the invigilator’s report.

vi) The Deputy Provost for Academic Affairs shall set up an investigation committee which should complete the investigation within two weeks.

vii) The investigation committee shall submit the report to the Deputy Provost for Academic Affairs, who shall in turn table the matter before the Academic Board.

viii) The Academic Board shall take appropriate action, and if need be make appropriate recommendations to Senate.

ix) While the matter is under investigation, the candidate may attempt other papers.

x) An internal examiner, who in the course of marking examination scripts or research or assignment papers suspects that an academic irregularity has taken place, shall report in writing the matter to the Deputy Provost for Academic Affairs, through the respective Faculty Dean.

xi) The Deputy Provost for Academic Affairs will follow the procedures vii) to ix) above.
xii) If it is established that the student committed an examination irregularity, he or she shall be expelled from the University forthwith.

4.4 SETTING AND MODERATION OF EXAMINATIONS

4.4.1 An Internal Examiner is normally an academic member of staff at the level of a Lecturer or above who has taught the course being examined.

4.4.2 Supplementary and Special Examination papers shall be set simultaneously with the Regular University Examination papers.

4.4.3 Examination papers shall be internally moderated by the Faculty/Departmental Moderation Committee and the moderated exam should bare the signature of all those involved, also External Examiners shall be involved after the examination.

4.4.4 The moderated and sealed examination paper shall be sent to the Deputy Provost for Academics and/or the Examination Officer for safe keeping before the start of the examinations.

4.4.5 Strict precautions shall be taken to ensure that there are no examination leakages.

4.5 SPECIAL EXAMINATIONS

4.5.1 A special examination is one which is taken at a time other than the regular examination period as the result of extenuating circumstances.

4.5.2 A student may, in extenuating circumstance, be allowed to postpone sitting for an examination, provided he or she reports
the matter in writing, before the examination to the Deputy Provost for Academic Affairs through the Dean of Students and the Dean of Faculty.

4.5.3 Such a report shall be accompanied by authentic supporting documents.

4.5.4 With the exception of emergency cases such requests must be submitted to the office of the DPAA at least 48 hours before a given examination is due to start.

4.5.5 A student shall be deemed to be eligible for special examinations after receiving a letter of authorization to take special examinations from the Deputy Provost for Academic Affairs.

4.5.6 Special examinations shall be conducted at such time, coincident with supplementary examinations.

4.5.7 When a student is allowed to sit for a special examination, he/she shall be considered to be attempting the examination for the first time, and shall be accorded all of the rights provided for in the examination regulations.

4.5.8 Special examinations shall not be availed to students who have absented themselves from regular examinations without written permission.

4.6 SUPPLEMENTARY EXAMINATIONS

4.6.1 A supplementary examination is one which is taken by a student after he/she fails a paper in a regular or in a special examination.

4.6.2 A student shall be allowed to sit for a supplementary examination only if he/she has failed in less than 50% of the prescribed examination papers.

4.6.3 The supplementary examination must be taken only in the failed paper(s)
4.6.4 Supplementary examinations shall be conducted at a convenient time determined by the Academic Board within the concerned academic year.

4.6.5 The pass mark for supplementary examination is a “B” irrespective of the score.

4.6.6 A supplementary examination paper fee of Tsh. 50,000 must be paid for each supplementary examination paper provided to a student.

4.6.7 The fee must be paid in advance to the finance department to cover the University’s expenses of providing a supplementary examination.

4.7 POSTPONEMENT OF STUDIES

4.7.1 A student may, in extenuating circumstances postpone studies

4.7.2 The student shall report the matter in writing, to the Deputy Provost for Academic Affairs through the Dean of Students and the Dean of Faculty.

4.7.3 Such a report shall be accompanied by authentic supporting documents.

4.7.4 A student may be allowed to postpone studies for a reason which in the opinion of the Academic Board is strong enough to prevent one from pursuing studies effectively.

4.7.5 No student shall postpone studies without written permission from the Deputy Provost for Academic Affairs.

4.7.6 Such postponement shall be for a semester or an academic year as the case may be.

4.7.7 The maximum period for a student to postpone studies shall be one year in the case of programmes of normal longevity of up
to 4 years and 2 years for programmes of more than 4 years duration.

4.7.8 The period of postponement shall not be counted towards the students’ registration

4.7.9 A student may also be allowed to postpone studies for failure to pay student fees, deposits and charges

4.7.10 On grounds of ill health provided the postponement has been recommended by a competent medical practitioner and approved by the University.

4.7.11 Re-admission for a student who postponed studies on the ground of ill health is subject to a recommendation by a competent medical practitioner and approval by the University.

4.7.12 Where practical, such a student shall be allowed to continue with his or her studies from the point at which he or she was when taken ill.

4.8 LEAKAGE OF EXAMINATION

4.8.1 Definition

Any act which results in a candidate or candidates having access to, or knowledge of examination questions or of any unauthorized materials related to the examinations, before the scheduled date and time of the examination shall amount to leakage of examinations.

4.8.2 Procedure for dealing with leakage of Examinations

a. Any person suspecting leakage of a test or examination shall immediately report to the Deputy Provost for Academic Affairs.

b. Where there are strong indications that an examination leakage has taken place, the Deputy Provost for Academic
Affairs, in consultation with the Provost shall cancel/withdraw the examination and order a fresh examination to be set and administered.

c. The Deputy Provost for Academic Affairs shall set up by a committee to investigate the circumstances surrounding the suspected leakage.

d. Then investigating committee shall submit its findings to the Deputy Provost for Academic Affairs, who shall in turn table them before the Academic Board and if necessary the Senate.

e. The Academic Board shall then take appropriate action, and if need be make appropriate recommendation to the Senate.

f. Where it is established that an examination leakage has taken place appropriate disciplinary action shall be taken against those found responsible for the leakage.

4.9 INSTRUCTIONS TO STUDENTS AND INVIGILATORS

4.9.1 Candidates shall acquaint themselves with the instruction on the front page of the answer books/examination papers.

4.9.2 Candidates shall ensure that they write their examination numbers, titles and the paper number on the answer books, including the continuation sheets.

4.9.3 Examination Numbers will be issued each year and verified by the Deputy Provost for Academic Affairs. The numbers will be different from student Registration Numbers.

4.9.4 Examination Numbers will be serialised in the following format:- e.g. TUMA/KCMUCo/MD/2013/250
4.9.5 At all times during the examination, the examination numbers should be conspicuously placed on the desks.

4.9.6 Candidates without examination numbers authorising them to sit for the examination will not be allowed to sit for the examinations.

4.9.7 No student shall be permitted to enter the examination room after the lapse of 30 minutes from the commencement of the examination. However, if a candidate arrives before the first half hour has passed; the Invigilator may use his discretion in extending the time limit for the candidate provided no candidate has already left the room.

4.9.8 No student will be allowed to leave the examination room during the first or last 30 minutes, except in cases of absolute emergency. Between these times, students may leave the room and be escorted to known common toilets. Students shall however sign out on leaving the examination room, and sign in when they re-enter the examination room.

4.9.9 Misreading the examination timetable will not be regarded as ‘sufficient cause’ for missing an examination.

4.9.10 No books, bags, notes, rough papers and any other paraphernalia should be taken by the candidates into the examination room. Candidates are not allowed to bring their own log tables and calculators in the examination room unless there is an express provision otherwise in case of a particular paper. Any unauthorized materials should be handed over to the Senior Invigilator before the examination starts.

4.9.11 Invigilators shall have power to confiscate any unauthorised materials or aid brought into the examination room.

4.9.12 Invigilators shall have power to expel from the examination room any student who creates a disturbance in the examination room.
4.9.13 At the end of the examination, and on the instructions from the senior invigilator, candidates shall be required to stop writing and assemble their scripts. The students shall hand in his/her scripts to the invigilator and sign to that effect.

4.9.14 If, for any reason, such as sudden illness or other sufficient cause, a candidate is unable to attend an examination he should report the circumstances to the Deputy Provost for Academic Affairs at the earliest possible moment before the start of the scheduled examination.

4.9.15 These instructions shall remain in force unless amended by the Senate upon recommendations of the College Academic Board and the Senate sub-Committee for Academic and Curriculum Affairs (SCACA)

4.10 APPOINTMENT OF EXTERNAL EXAMINERS

4.10.1 An External Examiner is normally a re-known academician in a University at the level of a Senior Lecturer or above possessing at least a Masters Degree in the field of his qualification.

4.10.2 Senate shall appoint External Examiners on the recommendation of the College Academic Board, upon presentation of Curriculum Vitae by the External Examiner.

4.10.3 External Examiners shall be approved by the College Academic Board in consultation with Senate.

4.10.4 If the current External Examiners are being invited for the last time, departments and Faculties shall start searching for new External Examiners to ensure their appointment within the first month of the following academic year.
4.10.5 External Examiners shall not have taught the subject to the students to be examined either as full time or part-time staff members of the University during the last four years.

4.10.6 External Examiners can be appointed for three years consecutively followed by a recess of three years and possible re-appointment.

4.11 FUNCTIONS OF EXTERNAL EXAMINERS

4.11.1 To Examine the Quality of Examination Papers
4.11.2 To read and grade Research Papers/Dissertations/Theses
4.11.3 Attend Examiners Board Meeting
4.11.4 Review the course content and curriculum
4.11.5 Present a report on the examination to the Deputy Provost for Academics Affairs for presentation to the Faculty Boards.
4.11.6 To visit the Library/ Laboratory and give their advice regarding the Library Holdings/Laboratory Equipment in respect of the concerned programme.
4.11.7 To grade Oral Defence (viva voce)

4.12 MARKING AND MODERATION OF EXAMINATIONS

4.12.1 External Examiners shall review any script to ensure consistency in marking, internal examiners shall be required to have a proper marking scheme.

4.12.2 The Head of Department, as the chief Internal Examiner, shall ensure standardisation of marking between internal Examiners.
4.12.3 After marking all the scripts, Internal Examiners shall enter Continuous assessment and the end of the year examination marks on the individual course mark sheets.

4.12.4 All Internal Examiners are required to submit results, scripts, projects and assessment materials and records to the head of departments at least 24 hours before viva voce examinations are conducted.

4.12.5 Staff members failing to meet the set examination deadlines without good cause, shall be subjected to disciplinary action according to prevailing regulations.

4.12.6 The Head of Department shall give the scripts together with copies of the question papers, final marking schemes and mark-sheets to the External Examiner on arrival. Records of continuous assessments and projects shall be kept by the Head of department and be made available to the External Examiners.

4.12.7 The External Examiner shall normally be expected to review extreme cases.

4.13 PROCESSING OF EXAMINATION RESULTS

4.13.1 Processing by Departments

a. A meeting of the Department Board of Examiners shall consider the result and make recommendations to the Faculty Board of Examiners.

b. The External Examiners will be expected to attend the Departmental Board of Examiners’ meeting.

c. The External Examiner shall provide a general overview of performance.

d. The final mark in any subject shall be derived from continuous assessments and the end of year examinations.
e. Unless otherwise approved by Senate, each course shall be graded out of a maximum of 100 marks.

f. Continuous assessments as approved by the Senate shall vary depending on the nature of the course.

g. The pass mark as approved by the Senate shall vary depending on the nature of the course in question.

h. Unless otherwise specified by Senate, the Examination grading system shall be as follows.

4.14 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 final decision of Senate on the examination concerned. Examination results in electronic form shall be stored indefinitely in the Students Academic Record Information System.

**GRADING SCORES UNDERGRADUATE PROGRAMS**

<table>
<thead>
<tr>
<th>Percentage range</th>
<th>70-100%</th>
<th>60-69%</th>
<th>50-59%</th>
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<tr>
<td>Letter grade</td>
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<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
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### GRADING SCORES POSTGRADUATE PROGRAMS

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<tbody>
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<td>B+</td>
<td>B</td>
<td>C</td>
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<td>E</td>
</tr>
<tr>
<td>Points</td>
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<td>3</td>
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<td>1</td>
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<tr>
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### Grade Point Range

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<th>Postgraduate – UQF levels 9 and 10</th>
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<tr>
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<td>3.5-4.3</td>
<td>4.0 – 4.4</td>
<td>Second class UPPER</td>
</tr>
<tr>
<td>2.7-3.4</td>
<td>3.0 – 3.9</td>
<td>Second class LOWER</td>
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<td>2.0 – 2.6</td>
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### FIVE-POINT GRADING SYSTEM

### DIPLOMA GRADING SCORES

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<th>Percentage range</th>
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<th>70-74%</th>
<th>65-70%</th>
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**DIPLOMA THE FIVE-POINT GRADING SYSTEM**

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<th>Grade Point Range</th>
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<td>3.0-3.4</td>
<td>Second class LOWER</td>
</tr>
<tr>
<td>2.0 – 2.9</td>
<td>PASS</td>
</tr>
</tbody>
</table>

NB: Unless otherwise stated, the final decisions are made at the end of the audit year

i. The Semester Grade score shall be rounded up/down to one decimal place.

j. The Final Grade score shall be truncated to one decimal place.

k. After the Departmental Board of examiners meeting, all the relevant examination mark sheets shall be accurately completed, checked and signed by the Internal Examiner, the Head of Department, the Dean (where applicable) and the External Examiner(s).

l. All documents tabled during Departmental Boards of Examiners Meeting shall be reclaimed from members of the Board at the end of the Meeting.

m. Internal Examiners and External Examiners shall not divulge marks to students.

n. All examination results are confidential until the Faculty Boards of Examiners consider them.
4.13.2 Processing by the Faculty Board of Examiners

a. A meeting of Faculty Board of Examiners shall be convened to consider the results and recommendations from the departmental Boards of Examiners and to make recommendations to College Academic Board which shall send its recommendation to the Senate

b. The External Examiners will be expected to attend the Faculty Board of Examiners.

c. All documents tabled during the Faculty Board of examiners meeting shall be reclaimed from members of the Board at the end of the meeting.

d. Members of the Faculty Board of Examiners shall not divulge marks or any of the Board’s deliberations to any student and unauthorised persons.

e. The Faculty Board of Examiners shall forward the provisional results and recommendations to the College Academic Board for final decision and to Senate for approval.

4.13.3 Processing by the College Academic Board

a. All examination results shall be presented to College Academic Board after the Faculty Boards of examiners meeting.

b. All examination results are not official until approved by the College Academic Board/or Senate.

c. College Academic Board may accept, reject, vary or modify results and or recommendations from the Faculty Board of Examiners.

d. No department or Faculty has the authority to alter examination marks/results once these have been approved by the Academic Board and the Senate
e. The results for pass candidates shall be released in transcript form indicating percentage marks as well as letter grading in accordance to the grading system shown above in section 11.0

f. Lost transcripts will be replaced at a fee of TShs 20,000/-.  

4.13.4 Processing by the Senate

a. All the Constituent College Academic Board Reports on examinations shall be submitted to the Senate.

b. The Senate shall direct or recommend to the College Academic Board on the general conduct of examinations in the Colleges.

c. The Senate shall lay down general policies on involvement of external examiners and conduct of examinations in the Constituent Colleges.

d. The regulations/procedures in moderation of examinations in the Colleges shall be approved by the Senate

4.14 RELEASE OF EXAMINATION RESULTS

Final results of all students in every final examination shall be subject to review by the Faculty Board of Examiners, and University Senate/College Academic Committee. Disclosure of the examination results shall be made by the College Academic Board not later than four weeks after the end of the examinations. The results shall be published, showing only the student examination number (for identification) and the letter grade obtained in the examination.

4.15 STUDENT DISPOSAL

4.15.1 Undergraduate Programmes

a. Final student disposal shall be undertaken at the end of either semester of the academic year.
b. Professional conduct, logbook, field work attachment report, practical, and dissertation assessment will also determine whether a student will proceed to the subsequent year of study or graduate.

c. A student passing in all prescribed semester courses shall proceed to the subsequent year of study or graduate.

d. A student who fails in < 50% of the prescribed courses shall be allowed to sit for supplementary examinations in the failed courses within one-week after release of results in either semester (this does not apply for the clinical years).

e. Student who fails in 50% of the prescribed courses in either semester shall repeat a year in the failed courses from studies in either semester.

f. Student who fails in >50% of the prescribed courses in either semester shall be discontinued from studies in either semester.

g. Additional examination regulations should be observed as stipulated on the specific program curriculum.

h. The maximum grade that shall be awarded where a supplementary examination has been passed shall be “B”. The same applies for a repeated course.

i. A candidate who fails Supplementary Examinations shall repeat the failed courses during the next academic year and sit for the examinations when they are scheduled. Repeating the courses shall include repeating the coursework.

j. Only student who failed the supplementary examination in none-core subject will be allowed to carry forward the failed course
k. A candidate who fails after repeating the year of study will be discontinued from studies.

l. A candidate with a GPA of less than 2.0 after the Supplementary Examinations shall be discontinued.

l. Students may also be discontinued from studies due to the following reasons:

   i) Failure to attend regular scheduled examinations or tests unless caused by unavoidable extenuating circumstance

   ii) Committing examination/academic irregularities

   iii) Committing disciplinary offences as described in the “Tumaini University Makumira Students’ by-laws

   iv) Absconding from studies;

   v) Failure to attended at least 80% of the scheduled semester class period for each course

   vi) Missing more than 10 consecutive days of class

   vii) Failure to pay student fees, deposits and charges

   viii) Ill-health if recommended by a recognised medical practitioner

**SPECIFIC EXAMINATION REGULATIONS FOR POSTGRADUATE STUDIES**

**4.15.2 Master of Public Health (MPH) Programme**

a. Continuous Assessment Tests (CATs) will be at the end of each module. Each module shall be passed independently.

b. To pass a module a candidate has to attain a “B” grade or higher
c. A pass mark of 50% is required for each module.

d. No student will be allowed to sit for a modular examination if he/she did not attend more than 80% of the contact hours in that module.

e. Students will be allowed to supplement a failed module only once.

f. A student will supplement a module if she/he scored less than 50%

g. Student will be allowed to do a maximum of three supplementary examinations in failed modules in the whole course, irrespective of either he/she has cleared supplementary

h. A student will be discontinued if
   i. She/has failed supplementary examination.
   ii. Has failed repeated module/course or dissertation.
   iii. Has failed more than 3 modules during the program, irrespective of passing supplementary.
   iv. Other college examination regulations apply.
   v. All module assessment work must be submitted by the specific dates or a penalty of 5% per day will be deducted from unexcused overdue work, or if the penalty period of five days is exceeded the candidate will be deemed to have failed that assignment.
   vi. There will be a Dissertation assessment and it must be passed independently of course work
4.15.3 Master of Science (MSc) Programmes

a. In order for a candidate to be allowed to sit for the final module examination he/she must have attended at least 80% of the allocated class hours of the respective module.

b. A class attendance of $\geq 80\%$ hours but for genuine reasons the student could not sit for a scheduled examination, the student will be allowed to sit for a special (individual) examination anytime during the year of study.

c. Each module will be examined after its completion through a written and/or practical examination, the module assessment test (MAT).

d. There may be continuous assessment test CAT and the average score for CATs for each module will constitute 40% of the total modular score.

e. The written examinations shall constitute 60% of the total marks obtained from the end of module assessment test (MAT).

f. Pass mark for all the modules, graded individually, shall be 50% and students must pass all the modules.

g. A student who fails less than one third of the total coursework credits shall be allowed to supplement.

h. If a student fails a module, he/she shall be allowed to sit for a supplementary examination any time before the end of the academic year. If a student fails a supplementary examination he/she shall be discontinued from the programme.

i. A student who fails several modules totalling to $\geq$ one third of the total coursework credits shall be discontinued from the programme.

j. The decision on supplementary examination, discontinuation or repetition of a year shall be made by the
statutory College Committees anytime during the academic year.

k. If a student repeating a year fails more than one module he/she will be discontinued immediately.

l. There will be a Dissertation assessment and it must be passed independently of course work.

4.15.4 Master of Medicine (MMed) Programmes

a. Assessment for the Master of Medicine Programmes shall consist of course work, logbook, quarterly reports, written examinations, oral examination, clinical examinations and dissertation including viva voce.

1. The Foundation courses modules 1-5, and Common Basic Sciences Modules 6-10 in semester 1 & 2 will be assessed - by a Module Assessment Test (MAT). The MAT 1-10 will consist of 2.30 hour paper of 100 marks. MAT for clinical examination will consist of one hour paper of 100 marks which has 1 Long Essay Question – LEQ (1 x 15 = 15 minutes and 1 x 30 = 30 marks), 2 Short Essay Questions – SEQ (2 x 10 min. = 20 minutes and 2 x 10 = 20 marks) and 25 Multiple Choice (25 minutes and 25 x 2 = 50 marks).

2. At the end of the semesters 2, 3, 4, 5 and 7, each resident will be assessed by a End of Semester Assessment Test (ESAT) (1, 2, 3, 4 and 6; see above schedule), consisting of the following three elements:
   a. A written 2 hours paper, consisting of 6 SEQ and 3 LEQ's (30%)
   b. A clinical examination, consisting of one long case and 3 short cases (30%)
   c. Assessment of the performance as recorded in the Logbook over the past semester. Both qualitative and quantitative
elements will be assessed using a format provided by the College (40%). see ANNEX 1.

3. At the end of semester 6, **ESAT 5** is different and consists of the following three elements:
   a. A clinical examination, consisting of one long case and 3 short cases (20%)
   b. Assessment of the performance as recorded in the Logbook and progress reports over the past semester (10%)
   c. Assessment of the professional competency and attitude over the past semester (10%)
   d. Completed, defended and accepted dissertation (70%)

4. At the end of semester 6 the dissertation will be assessed according to the system as outlined in Section 4 of this book. All residents will be required to present and defend the dissertation during a viva voce (Oral) examination.

5. At the end of semester 8 (end of 4th year of training) residents have to appear for a Final University Examination, consisting of one 3 hours written paper (consisting of 10 SEQ's and 4 LEQ's, all of them structured and problem posing), a clinical examination (one long case and 6 short cases) and an oral examination of 30 minutes. The written examination shall carry 40% of the marks, the clinical/practical 50% and the oral examination 10%. Residents must pass both the written and the clinical components.

6. ii. A candidate who passes the examination with a B grade or higher will be declared to have passed the examination.

In semester 1 all MMED 1 will do foundation courses (MAT 1-5) and Basic Science (MAT 6-10) then ESAT 1 and ESAT 2 specific for the specialty concerned, will be assessed within 10 days after last day of the **Module by a Module Assessment Test (MAT)**.
NOTES ON ASSESSMENT AND DISPOSAL OF STUDENTS

1) Each MAT, each ESAT, the dissertation and the Final University Examination at the end of semester 8 have to be passed separately.

2) Assessments in some departments, like Departments of Radiology and Pathology may be different from those in other departments: e.g. film reading and slide reading as clinical cases.

3) Residents who have failed up to three (3) of the 5 Foundation courses (modules 1-5) at the end of semester 1 will be allowed to supplement each at the beginning of semester 2 (or earlier). Those failing 4 or more of the foundation courses and basic science will be allowed to repeat the failed courses when next offered. Those failing more than 50% of the foundation courses and 50% basic science will be discontinued.

4) Residents who have failed up to three (3) of the Foundation Courses (MAT 1-5) and up to three (3) of the Basic Sciences MATs (modules 6-10) at the end of semester 1 will be allowed to supplement each at the beginning of semester 2 (or earlier).

5) Residents who have failed at the end of semester 2 up to 2 of the MATs 11 and 12 and ESAT 1, will be required to sit for supplementary MAT(s) at the end of semester 2 or ESAT before start of the next academic year. Grades obtained for MATs and ESATs obtained in the first and second semester of a year can be accumulated to determine the fate of the candidate.

6) Progress from Year to Year
   a. Candidates are required to have attained a minimum GPA of 2.4 before proceeding to the following year of study.
   b. A candidate who scores a GPA of 2.4 or higher, but fails in 4 or less courses (Module 1-10) at end of semester shall be required to supplement in the failed modules.
   c. The clinical components for each of the ESATs must be passed independently.
   d. A student who fail 50% of the supplementary examination shall repeat a year, and those fail 40% or less shall repeat the failed courses when next offered.
e. 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.

f. A candidate who scores a GPA of 2.4 or higher, but fails 50% or more of Module 1-10 shall be discontinued from studies.

g. A candidate who fails all courses shall be discontinued from the studies irrespective of the GPA.

h. A resident who fails 50% of the MATs and 50% of the ESAT in a given year of studies (regardless of passing supplementary MATs) will be discontinued on academic grounds.

i. In case a candidate fails the supplementary MAT (s) or ESAT, she/he will be required to repeat the failed courses when next offered. A repeating candidate who fail one examination may be considered for a third suplimentary examination and if she/he fail shall be discontinued on academic ground. A repeating candidate failing again two or more supplementary examination will be discontinued on academic grounds.

j. A student who passes a supplementary examination at any level shall be awarded a “B” grade.

k. No candidate shall be allowed to repeat any year of study on academic grounds, except with special permission or approval of the College Academic Board and Senate.

l. Apart from formal academic assessments, professional assessment based upon log book and quarterly progress reports also determines whether a resident passes to the next year of training. A candidate who score ‘C’ grade or less in professional assessment/attitude shall be required to repeat a year despite passing all MATs and ESATs.

m. A resident committing a professional misconduct may also be discontinued.

n. Residents shall before admission to semester 7 (of year 4) have submitted a dissertation. The dissertation will be assessed by external and internal examiners. The candidate has to appear for oral defence (viva voce) and the dissertation be passed with grade B or above (B, B+ or A).
o. The written dissertation assessed by the external examiner will carry 60% of the dissertation marks. The viva voce panel (which should not include the supervisor) will compose the remaining 40% of the dissertation marks.

p. If a resident fails dissertation which require minor revision, she/she shall be allowed to proceed to semester 7 (of year 4) while supplementing the failed dissertation. The resident will be required to defend his/her dissertation with other residents during university examination session. If a student fail again he/she be discontinued from studies on academic grounds.

q. A resident who fail dissertation with major revision (i.e. required to go to the field to recollect data or to start a new research topic shall not be allowed to proceed to semester year 4. If a student fail again he/she shall repeat a year with a new dissertation topic and will be assigned a new supervisors. Should he/she demonstrate poor progress she/he be discontinued from studies on academic grounds.

At the end of semester 8, residents will be assessed through the final university examination.

For details of dissertation assessment: see Section on Dissertation assessment for MPH, MSc and MMed.

r. Marks obtained during the MATs of the Basic Sciences Modules 1-12 and the ESATs 1-6 at the end of semesters 2-7, shall be included in the grade for the Final University Examination (end of year 4). The course work (all 10 MATs and 6 ESATs from Semester 1 to 7) and the dissertation will contribute together 60% to the final grade (12 MATs = 275, 6 ESATs = 600 and dissertation = 125, total = 1000) and the Final University Examination at the end of semester 8 will contribute 40% to the final grade.

s. A candidate who fails the Final University Examination at the end of year 4, shall be allowed to appear for a supplementary examination at a point in time as the Academic Board may
determine provided the candidate’s period of MMed programme registration does not exceed 5 years.

t. All MMed residents have to submit the compulsory “annual programme evaluation by residents” in the month of June

**Disposal of students:**

a. Residents are required to pass all the MATS and ESATs in order to be allowed to proceed to the subsequent year of training.

b. A resident who fails up to 3 MATs in semester 1 will be allowed to sit for a supplementary exam in each of the failed modules.

c. A resident who fails up to 3 (>3) MATs in semester 1 will be required to repeat the year in order to retake the modules when next offered.

d. If a resident fails a supplementary MAT or ESAT in semester 3 will be required the year of study.

e. A repeating candidate who fails MAT or ESAT will be discontinued on academic grounds.

f. If a candidate fails 2 ESATs in a given year regardless of having passed supplementary shall be discontinued.

g. A candidate who fails the Final University Examination at the end of year 4, shall be allowed to appear for a supplementary examination provided the candidate’s period of MMed programme registration does not exceed 5 years.

To be awarded a Master degree of the respective programme of Tumaini University Makumira, the candidate must have completed and passed the course work, dissertation and Final Examinations within the stipulated time.
4.16 DISSERTATION ASSESSMENT FOR MPH, MSc AND MMed

All dissertations shall be assessed first based on the written document, followed by viva voce assessment (oral defence).

Examiners will be:

1. One External Examiner who is an expert in the field of the research topic from outside KCMU College/KCMC. In the absence of an external examiner, there will be 4 internal examiners and one of them (not the supervisor) will take the role of the external examiner, independently from the other internal examiners.

2. The supervisor of the dissertation and 2-3 academic staff members of KCMU College.

3. The supervisor(s) will not give marks for the written document nor during the oral defence

a) Assessment of the written document (the dissertation)

1. The dissertation must be accepted and approved by the supervisor(s).

2. The dissertation will be made available to the appointed External Examiner

3. The External Examiner shall be required to submit a written report to the DPS within a period of 3 weeks from the date of receiving the dissertation.

4. The appointed internal examiners will at the same time receive the written document in order to prepare themselves for the viva voce.
b) **Viva voce assessment (oral defence)**

All candidates shall appear for a viva voce examination (oral defense)

**Final grade**

1. The results of the assessment by the External Examiner will be reported to the panel of examiners after the viva voce and shall carry 60% of the final grade.

2. The common grade reached by the assessment panel during the viva voce (without the supervisor) shall carry the remaining 40% of the final grade.

**4.17 APPEAL BY STUDENTS FOR FAILURE IN EXAMINATION**

4.17.1 Only appeals for Unfair Marking, wrongful computation of marks or grades shall be entertained. The appeal must be lodged within **7 calendar days** (weekend inclusive) from the date of releasing the results.

4.17.2 The Investigation Committee of the College Academic Board shall make the necessary investigation and report to the College Academic Committee.

4.17.3 The College Academic Committee shall deliberate and decide on the matter. The report will be submitted to the SCACA/Senate for final verdict.

**4.17.3.1 Appeal Fees**

4.17.3.1.1 All appeals shall be accompanied by non-refundable appeal fee of twenty thousand shillings (TZS 20,000/=) for undergraduate and thirty thousand shillings (30,000/=) for postgraduate in respect of Tanzanian students or or twenty-
five dollars (USD 25.00) by Money Order in respect of foreign students.

4.18 CLASSIFICATION OF DEGREES

4.18.1 Candidates must pass the courses before they are awarded the degrees.

4.18.2 Classification of awards will vary depending on the nature of the course concerned.

4.18.3 Grade Point Average:
Courses shall be weighted by multiplying the points associated with the final grade of a given course by the number of credit hours assigned to that course. A student’s overall performance is calculated by dividing the total number of credit points of all courses taken by the total number of course credit hours taken:

Grade Point Average (GPA) = \( \frac{\text{Weighted Total Points for all Courses Taken}}{\text{Total Number of Course Credit Hours Taken}} \)

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4.19 POLICY GOVERNING LOSS OF CERTIFICATE

In case of loss or total or partial destruction of the original certificate or a copy thereof, the University College (Office of the DPAA or such other office as the DPAA may authorize in writing) may issue a copy or another certificate on condition that:

4.19.1 The applicant produces a sworn affidavit and Police Report.

4.19.2 The certificate so issued shall be marked COPY across it and shall be issued only once.

4.19.3 The replacement certificate will not be issued until the 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;

4.19.4 The applicant must produce evidence that the loss has been adequately publicly announced (cuttings from two widely circulated News Papers) with a view to its recovery in an officially recognized form or manner in the applicant’s home country or where the loss is believed to have taken place;

4.19.5 A fee of TShs 20,000.00 in respect of Tanzania student or USD 30.00 in Money Order in respect of foreign students, or such other fee as may be prescribed from time to time by the University, shall be charged for the copy of certificate issued.

4.20 RE-ADMISSION AFTER DISCONTINUATION

4.20.1 Students who have been discontinued from a programme on grounds other than examination/academic irregularities, disciplinary offences or absconding from tests or
examinations, may be readmitted at least one year after discontinuation having fulfilled the following requirements:

a) A student previously dismissed for failing scheduled examinations is subject to the student providing evidence of extra-mural studies to improve his/her academic standing.

b) A student previously discontinued for failing to pay fees, deposit and other charges has paid all the dues. Where practical, such a student shall continue with his/her studies from the point at which he/she was before discontinuation.

5.0 SYNOPSIS OF THE CURRICULAR

5.1 UNDERGRADUATE PROGRAMMES

5.1.1 DIPLOMA IN HEALTH LABORATORY SCIENCES

Programme Description
The establishment of a Diploma programme in Health Laboratory Sciences at KCMU College is intended to raise the number of well trained Laboratory Technologists that are in great demand to fill in various positions at the different levels of public health care and research system.

The graduates are expected to be competent enough for starting and running private laboratory services to complement the efforts of the government to provide quality laboratory services all over the country. As a side benefit, the programme will produce graduates who are potential applicants to enrol for BSc in Health Laboratory Science Programmes that are currently being conducted at the KCMU College and MUHAS.
a) Programme learning outcomes

Upon successful completion of the Diploma programme in Health Laboratory Sciences, the student should be able to:

1) Perform routine clinical laboratory procedures within acceptable quality control parameters.
2) Demonstrate technical skills, social behavior, and professional awareness.
3) Apply problem solving techniques to identify and correct procedural errors, identify instrument malfunctions and seek proper supervisory assistance, and verify the accuracy of laboratory results obtained.
4) Operate and maintain laboratory equipment, utilizing appropriate quality control and safety procedures.
5) Participate in activities which will provide current knowledge and upgrading of skills in laboratory medicine.

5.1.1.1 DIPLOMA IN HEALTH LABORATORY SCIENCES
PROGRAMME MATRIX

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<tr>
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<th>Tutorial</th>
<th>Assignment</th>
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**TOTAL HOURS AND CREDITS IN SEMESTER 1** 600 60

### YEAR 1, SEMESTER 2

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**TOTAL HOURS AND CREDITS IN SEMESTER 5**

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**TOTAL HOURS AND CREDITS IN SEMESTER 6**   600   60

**TOTAL HOURS AND CREDITS FOR YEAR 1, 2, & 3.**   3600   360

### 5.1.2 DIPLOMA IN HIV AND AIDS CARE

**a) Programme description**

This is a part time Diploma course consisting of six modules plus one elective. The course runs over a period of 18 months and is designed to meet the needs of qualified health care professionals and others engaged in HIV & AIDS care and management. The
development of this programme is a response to the HIV & AIDS pandemic in Tanzania aimed at providing a comprehensive response through home and community based care to people living with HIV & AIDS. The Diploma programme is designed for qualified health care professionals and other cadres working in local communities, to build and develop capacity for local management in meeting the challenges of HIV & AIDS.

b) Programme Learning Outcomes

By the end of the course, the students will be able to:

1. Assess the principles and practice of holistic palliative care for adults and children with HIV & AIDS.

2. Analyze, utilize and adapt strategies for developing and effective continuum of care in their own work place.

3. Apply counseling and clinical skills for caring for adults and children with HIV & AIDS, which take into account the associated, sensitive gender and cultural issues.

4. Conduct needs assessments and write project proposals with relevant and effective interventions that respond to specific identified needs of people with HIV & AIDS.

5. Demonstrate appropriate attitudes and skills for self and others to effectively monitor evaluate and direct home and community based care programmes that are integrated into the health services and document and disseminate best practices for replication.

6. Develop capacity building through training of other multidisciplinary members in home and community based care.
### YEAR 1, SEMESTER 1

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**TOTAL HOURS AND CREDITS IN SEMESTER 1** 280 28

### YEAR 1, SEMESTER 2

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**TOTAL HOURS AND CREDITS IN SEMESTER 2** 445 44.5

**TOTAL HOURS AND CREDITS IN SEMESTER 1, 2** 725 72.5
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**TOTAL HOURS AND CREDITS IN SEMESTER 4** 160 2418224

**TOTAL HOURS AND CREDITS IN SEMESTER 3, 4** 545 54.554.5

**TOTAL HOURS AND CREDITS IN YEAR 1 & 2** 1270 12.7
5.1.3 DIPLOMA IN OCCUPATIONAL THERAPY

a) Programme description

Occupational therapy is a client-centred health profession concerned with promoting health and well being through occupation. The primary goal of occupational therapy is to enable people to participate in the activities of daily living. Occupational therapists achieve this outcome by working with people and communities to enhance their ability to engage in the occupations they want to, need to, or are expected to do, or by modifying the occupation or the environment to better support their occupational engagement (WFOT 2012).

This is a three years diploma course which consists of theoretical and practical training. It aims at qualifying Occupational Therapists who will be competent in addressing social, psychological and physiological effects of disability by providing the intervention based on sound theoretical principles and models of the profession. A candidate who has successfully completed and passed the final year of study will be awarded a Diploma in Occupational Therapy of Tumaini University Makumira

b) Programme learning outcomes

By the end of the programme the students will be able to

1. Identify and assess different disabilities and their functional needs
2. Plan and carry out treatment interventions for different disabilities
3. Carry out basic research on related to rehabilitation
4. Apply occupational therapy professional standards and ethics
5. To conduct health education activities at community level
### 5.1.3.1 CURRICULUM MATRIX DIPLOMA IN OCCUPATIONAL THERAPY

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5.1.4 BSc HEALTH LABORATORY SCIENCES

a) Programme description

Medical laboratory scientists help improve lives by providing essential clinical information to health care providers. They are responsible for assuring reliable results that contribute to the prevention, diagnosis, prognosis, and treatment of physiological and pathological conditions. Laboratory tests are extremely valuable and contribute up to 70 percent of medical decisions made by health care provider. The course will last for three years (six academic semesters). The course will also develop practical, analytical and transferable skills applicable to a wide range of employment opportunities such as pharmaceutical research, pathology and diagnosis as well as clinical trials. Upon successful completion of the programme, the award of Bachelors Degree in Health Laboratory Sciences of the Tumaini University Makumira will be given to the student.

b) Programme learning outcomes

Upon graduation from the program, students will be able to demonstrate:

1. competency to perform a full range of testing in the contemporary medical laboratory encompassing pre-analytical, analytical, and post-analytical components of laboratory services, including hematology, chemistry, microbiology, urinalysis, body fluids, molecular diagnostics, phlebotomy, and immunohematology
2. Proficiency to problem-solve, troubleshoot, and interpret results.
3. professional conduct, respecting the feelings and needs of others, protecting the confidence of patient information, and not allowing personal concerns and biases to interfere with the welfare of patients
4. administrative skills consistent with philosophies of quality assurance, continuous quality improvement, laboratory education, fiscal resource management, and appropriate composure under stressful conditions
5. application of safety and governmental regulations and standards as applied to medical laboratory practice
6. effective communication skill to ensure accurate and appropriate information transfer

### 5.1.4.1 BSc HEALTH LABORATORY SCIENCES: PROGRAMME MATRIX

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132
5.1.5 BSc NURSING

a) Programme description

This is a three year (In-service) and or four year (Pre-service) undergraduate programme leading to the award of Bachelor of Science in Nursing (BSc. N) degree of Tumaini University Makumira. The programme aims at educating nurses and midwives who have already undergone a basic training programme in Nursing Midwifery and Psychiatry it is designed to educate and produce nurses who will be able to address contemporary and future need of Tanzanians.

b) Programme Learning outcomes

At the end of the programme students will be able to

1. Engage in professional nursing practice by utilizing a recognized nursing philosophy.
2. Deliver nursing care services to clients in all settings.
3. Provide leadership and managerial skills for improvement of health and nursing care within her/his scope of practice.
4. Utilize evidence based nursing information to provide quality and effective care
5. Conduct nursing research and disseminate findings to enhance education, practice and management in nursing.
6. Demonstrate professional knowledge, skills and competence in health promotion, risk prevention and reduction, and the management and care of clients.
7. Implement and evaluate educational and health programmes for a variety of clients in different settings.
5.1.5.1BSc NURSING: IN-SERVICE PROGRAMME MATRIX

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### 5.1.7 BSc IN PHYSIOTHERAPY

**a) Programme Description**

This course runs under the Faculty of Rehabilitation Medicine for four (4) years for direct entrants and three (3) years for the equivalent entrants. Graduates from this programme are expected to have high Physiotherapy professional competence in clinical practice so as to raise the standards of health care services.

**b) Programme learning outcomes**

By the end of the programme students will be able to

1. Plan and undertake a short term research project from proposal to its completion showing awareness and understanding of ethical issues.
2. Relate how signs and symptoms of diseases or disorders affect human movement and body function.

3. Apply physiotherapy methods in the assessment of clients who are suffering from various illnesses.

4. Identify patients who require referral to other disciplines.

5. Apply skills of working effectively as members of multi and inter-disciplinary health care teams in health care settings.

6. Treat diseases and disorders that affect movement and body function by using physiotherapy methods.

7. Conduct preventive, promotive and rehabilitative care accordingly.

8. Plan and undertake a short term research project from proposal to its completion showing awareness and understanding of ethical issues.
5.1.7.1 BSc IN PHYSIOTHERAPY : PROGRAMME MATRIX

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*Behavioural science includes: psychology, sociology, ethics and communication skills*
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#### Total hours and credits for year 1, 2, 3 & 4.

- **4800**
- **480**

### 5.1.8 BSc PROSTHETICS & ORTHOTICS

#### a) Programme Description

This course which runs under the Faculty of Rehabilitation Medicine is a 4 year programme (for direct entrants) and 3 years for entrants under the equivalent qualifications. Graduates of the course are expected to have professional competence in clinical practice in Prosthetics and Orthotics Science by offering a broad range of subjects that include Physical and Clinical assessment and examination of...
patients with neuro-muscular-skeletal deficiencies. This also includes prescription and design of component, fabrication, delivery and follow up of orthopaedic appliances.

b) Programme learning outcomes

By the end of the programme students will be able to

1. Manage the needs of the physically disabled population within and outside Tanzania.
2. Design, develop and fabricate Orthopaedic appliances suitable for different types of disabilities.
3. carry out research on the available resources with the aim of improving the quality, service delivery and Community Based Rehabilitation.
4. Carry out training and education activities in technical Orthopaedics.
5. To produce individuals who are able to show understanding of the professional ethics and be able to appreciate the individual social, cultural, psychological and economic factors which may influence the process of rehabilitation.
6. Managing, coordinating and supervising the activities of the technical staff, i.e. Orthopaedic Technologists, Orthopaedic Technicians, Bench Workers and other auxiliary Technicians.
**5.1.8.1 BSc PROSTHETICS & ORTHOTICS: PROGRAMME MATRIX**

**YEAR 1 SEMESTER I**

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5.1.9 BSc in OPTOMETRY

Programme Description

This is a four-year programme which aimed at training optometrists who promote eye health and vision care as a human right through eye care service provision and through advocacy, education. Optometry is a healthcare profession that is autonomous, educated, and regulated (licensed/registered), and optometrists are the primary healthcare practitioners of the eye and visual system who provide comprehensive eye and vision care, which includes refraction and dispensing,
detection/diagnosis and management of disease in the eye, and the rehabilitation of conditions of the visual system

Programme Learning Outcomes

At the end of the program graduate (optomestrist) should be able

1. Assess the visual function of the eye to client/patient
2. Assess ocular health to the public/community
3. Prescribe and fit contact lenses to clients/patients
4. to provide comprehensive eye care
5. Plan and implement eye care programs in clinical/community settings
6. Conduct research on eye care

5.1.9.1. OPTOMETRY: CURRICULUM

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**5.1.10 DOCTOR OF MEDICINE (MD)**

**a) Programme description**

This program is five years long. The aim of the MD programme is to train medical professionals who combine clinical competence, medical knowledge, and proficiency in inter-personal and communication skills, ability to respond to the psychosocial aspects in healthcare and to keep abreast of new developments in the medical field. Upon successful completion of the five years of training, a degree of Doctor of Medicine of the Tumaini University Makumira will be conferred. Upon completion of the five years the graduate is
expected to undertake an additional sixth year of apprenticeship in an approved institution before being allowed to practice independently.

Taking into consideration that Medicine is a caring humanitarian profession, the MD curriculum has been designed in such manner that a graduate physician would

b) Program expected learning outcomes

By the end of this programme students will be able to

1. Identify, assess, plan and manage health problems of a patient
2. Practice the ethical basis of medical practice and be able to identify social cultural, psychological and economic factors which influence the health of the individual, family and community.
3. to plan, organize, coordinate and evaluate the health needs of individuals, families and the community as well as being capable of implementing primary health care strategy for the community.
4. Communicate with individuals, families and the community. As a member of health team, the graduate should be able to establish inter professional and inter-sectoral relations in order to achieve prescribed goals.
5. Carry out self evaluation Self directed learning, updating ones knowledge and medical practice.
6. demonstrate problem solving capacity (professional reasoning), associated with clearly identifiable professional attitudes, combined with a range of psychomotor abilities (professional skills) and carry with him/her an integrated information base (professional knowledge).
7. Writing Research proposals and carry our meaningful research activities
8. Demonstrate competence in the teaching, planning and evaluation of health programmes
9. demonstrate problem solving capacity (professional reasoning), associated with clearly identifiable professional attitudes, combined with a range of psychomotor abilities (professional skills) and carry with him/her an integrated information base (professional knowledge)

5.1.10.1 DOCTOR OF MEDICINE CURRICULUM MATRIX

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# YEAR 3 SEMESTER 5 (CPST, DISEASE MANAGEMENT & JUNIOR CLINICAL ROTATIONS)

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**TOTAL HOURS AND CREDITS SEMESTER 5**

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**TOTAL HOURS AND CREDITS FOR SEMESTER 6**

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166
YEAR 5 SEMESTER 10

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TOTAL HOURS AND CREDITS FOR SEMESTER 10  600  60

TOTAL HOURS AND CREDITS (Year 1,2,3,4,5,)  600  600

5.2 POSTGRADUATE PROGRAMMES

Aim of the Postgraduate Studies

Postgraduate training at KCMU College is designed for highly qualified medical practitioners and other allied health personnel who are strongly motivated towards a career in Medical Sciences and academic medicine. Graduates in these courses are expected to augment the national need for high level manpower requirements which will in turn improve the roles expected of referral and consultant hospitals in teaching, service and research.

5.2.1 MASTER OF PUBLIC HEALTH (MPH) PROGRAMME

a) Programme description

This course covers the whole breadth of public health, With emphasis on middle- and low-income countries. This is a one year programme for full time and two years for part-time students. The programme is
composed of 14 modules with a total of 180 credits. It consists of coursework and dissertation with a strong component of research skills.

A candidate who fulfils the above conditions shall be awarded the degree of Master of Public Health (MPH) of Tumaini University Makumira, KCMU College.

b) Programme Learning outcomes

At the end of this programme, graduate will be able to

1. Demonstrate the multidisciplinary approach address various health problems. Identify and apply appropriate statistical methods to analyze and describe a public health problem and health status of populations
2. Identify, explain, and utilize the basic concepts, methods, and tools of public health data collection, use, and analysis and why evidence-based approaches are an essential part of public health practice
3. Demonstrate the ability to apply principles of leadership, policy development, program management in the planning, implementation and evaluation of health programs for individuals and populations.
5. Critical evaluate published material, interpret and apply this information in the context of public health practice.
6. Develop and implement research projects relevant to public health
### SEMESTER 1: Foundation courses

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<th>Module</th>
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<th>Independent study</th>
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**Total hours and credits for semester 1**

| Total | 400 | 40 |

### SEMESTER 2: Public Health and Diseases

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**Total hours and credits for semester 2**

| Total | 420 | 42 |

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### 5.2.2 MSc CLINICAL RESEARCH

#### a) Programme description

This is a 2 years programme covering the general field of clinical research, including clinical trials particularly in poverty related diseases: malaria, HIV-AIDS and tuberculosis. It consists of coursework and dissertation with a strong component of laboratory hands on skills. A candidate who fulfils the above conditions shall be awarded the degree of Master of Science in Clinical Research (MSc Clin Res) of Tumaini University Makumira.

#### b) Programme learning outcomes

At the end of this course students will be able to

1. conduct independent or collaborative research in the interrelated disciplines of clinical research, in particular in carrying out Clinical Trials.
2. Work with clinicians and scientists to initiate and implement clinical research, as well as to disseminate their knowledge and skills with other scientists, both nationally and internationally.

3. Pursue advanced studies leading to higher education, especially PhD.

### 5.2.2.1 MSc IN CLINICAL RESEARCH: PROGRAMME MATRIX

**Semester 1: Cluster 1: Foundation Course and core modules taken by all MSc students**

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480 48
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### Year 2: Semester 1 & 2

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5.2.3 MSc MEDICAL MICROBIOLOGY, IMMUNOLOGY WITH MOLECULAR BIOLOGY (MMIM)

A. Programme description

This programme is intended to provide knowledge, attitudes and skills in understanding the interaction between the human body and the various disease aetiological agents and the application of techniques used in microbiology and immunology, in investigating the functioning of the human body in health and disease. This highly specialized degree is intended to create competencies in highly specialised medical and biomedical fields and scientific attitudes relating to both public and individual health.

a) Programme Learning Outcomes

By the end of this programme students will be able to

1. Executing standard operating procedures (SOPs) for quality control and assurance (QC&QA) in medical, research, academic and industrial laboratories.
2. Apply acquired knowledge and skills in solving community health problems.
3. Write research grant from national and international donors and work as Principal Investigators (PIs) or co-PIs
4. Pursue further professional/ career development opportunities at PhD level
### 5.2.3.1 MMIM: PROGRAMME MATRIX

#### Semester I: Cluster-1: Foundation course

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**Total hours and credits for semester 1** 340 34

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5.2.4 MSc EPIDEMIOLOGY AND APPLIED BIOSTATISTICS

a) Programme Description
This course is designed to cover the basic and advanced concepts of epidemiology and many advanced techniques in biostatistics and therefore to train personnel who are able to and competent in analysing and interpreting data. The course aims to equip graduates with knowledge in epidemiology and biostatistics and that have latest skills in analytical epidemiology and biostatistics.

b) Programme learning outcomes

At the end of the course students will be able to

1. Communicate with other epidemiologists and biostatisticians about technical issues and problems and be able to work within a health team to analyse data.

2. Apply the skills to the current major health related problems.

3. Analyze medical literature research findings in order to make appropriate decisions.

4. Design and carry out different types of epidemiological studies independently or in collaboration.

5. Advance to higher education, especially PhD and later postdoctoral studies.
### 5.2.4.1 MSc EPIDEMIOLOGY AND APPLIED BIOSTATISTICS: CURRICULUM MATRIX

**Year 1 Semester 1: Cluster 1:** Foundation Course and core modules taken by all MSc students

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**Total hours and credits for semester 1**

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**Cluster 3: Teaching, critical thinking and learning skills**

**Cluster 4: Advanced Epidemiology Modules**

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**Total Semester 2** 610 64
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**Total Semester 3**  
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## Year 2 Semester 3& 4: Dissertation

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**Total credits (Year-1 and 2)**  
2158  
215.8
5.2.5 Msc MEDICAL PARASITOLOGY AND ENTOMOLOGY

a) Programme description

The course covers the general field of Entomology and Parasitology within the context of public health. The two years program consists of course work during the first year and research work during the second year. Field and laboratory work will be fully integrated into the course work. Upon successful completion of the programme, the candidate will be awarded a degree of Master of Science (MSc.) in Medical Entomology and Clinical Parasitology of Tumaini University Makumira.

b) Program expected learning outcomes

By the end of this program, students should be able to:

1. Identify the major parasites, vectors and intermediate hosts
2. Demonstrate understanding of morphology, the biology and the life cycles of the major parasites and their vectors or intermediate hosts
3. Demonstrate understanding of the pathogenesis, pathology and clinical manifestations of the major parasitic diseases and the immune responses to these parasites
4. Appreciate methods available for chemotherapy, control and prevention of parasitic infections
5. Apply statistical methods and interpret epidemiological data of major parasitic infections
5.2.5.1 CURRICULUM MATRIX- MSc. Medical Para & Entomology

**SEMESTER 1: Foundation course**

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**Total hours and credits for semester 1** 340 34

**Year 1 Semester 1:**

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**TOTAL HOURS AND CREDITS IN SEMESTER 1** 430 43
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**TOTAL HOURS AND CREDITS IN SEMESTER 2**

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5.2.6 Msc UROLOGY

a) Programme description

This is two year super specialist programme. Graduate in MSc Urology will be expected to augment the national need for specialists in urology, which will improve the roles expected of Tanzanian Consultant Hospitals in teaching, service and research.

b) Programme learning Outcomes

By the end of this programme students will be able to

1. Work independently in a Regional or District Hospital.
2. Organise urological programmes for a Region, supervise and teach AMO’s (urology) and conduct independent field surveys.
3. Demonstrate skills, attitude and ethics associated with the profession of a urologist.

5.2.6.1 Curriculum Matrix MSc Urology: Programme

Year 1 Semester 1: Foundation courses

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**TOTAL HOURS AND CREDITS IN SEMESTER 1**

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**YEAR 1: SEMESTER 2**

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5.2.7 MSc Anatomy and Neuro Science

a) Programme Description

This programme intends to produce a cadre of Master-level clinical anatomists and neuroscientists educators cum researchers, capable of teaching all the medical and paramedical disciplines at undergraduate, graduate, or professional students, and who are capable of producing high-quality research and other scholarly work necessary for promotion and tenure.

186
b) Programme learning Outcomes

By the end of this programme students will be able to

1) Describe in detail the embryology, histology and gross organization of human body by systems and regions, and scientifically describe the common variations and congenital malformations of clinical relevancy.

2) Demonstrate advanced clinical anatomical knowledge and handling skills, relevant in surgical and basic clinical examinations.

3) Become a competent clinical anatomy teacher by learning the teaching methodologies and demonstrate teaching ability in real time.

4) Demonstrate a detailed knowledge and critical understanding of clinical anatomy and neuroscience gained through dissections and independent research.

5) Synthesize and critically evaluate published information and present it in written or oral format to both specialist and non-specialist audiences.

6) Pursue, under supervision, independent clinical anatomy related research project.

7) Demonstrate knowledge of key experimental methodologies used to answer research questions in clinical anatomy and neuroscience.

8) Conduct scientific enquiry and ethical responsibility in undertaking research on human subjects in clinical anatomy and neuroscience.

9) Apply an empirical approach to problem solving.
### 5.2.7.1 MSc ANATOMY AND NEURO SCIENCE: PROGRAMME MATRIX

**Year 1: SEMESTER 1: Foundation courses**

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Total hours and credits for semester 1 | 340 | 34 |

**Year 1 Semester 1: Programme specific modules**

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Total hours and credits for semester 1 | 180 | 18 |

**Year 1: SEMESTER 2: Basic Clinical anatomy courses**

<table>
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<tr>
<th>Codes</th>
<th>Module</th>
<th>Lectures</th>
<th>Tutorial</th>
<th>Independents</th>
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<td>HHS 501</td>
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Total hours and credits for semester 2 | 520 | 52 |
Year 2: SEMESTER 3: Advanced Clinical anatomy courses and Research development

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<th>Self-study</th>
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<th>Total credits</th>
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<td>ME 601</td>
<td>Molecular embryology and tissue culture</td>
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<td>20</td>
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<tr>
<td>RES 601</td>
<td>Proposal development</td>
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<td>80</td>
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Year 2 SEMESTER 4: Genetics, Hygiene, Basic radiology and Dissertation

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<th>Lectures</th>
<th>Tutorials</th>
<th>Self-study</th>
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<th>Total credits</th>
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5.2.8 MSc MIDWIFERY PROGRAMME

a) Programme description

The Master of sciences in midwifery is a full time two years programme that has been divided into 4 semesters which consist of coursework, clinical practice and dissertation. The programme is designed to address the urgent needs and demands in the country and the region for primary care practitioners who are
competent and skilled in Midwifery and Women’s Health. Trainees will function as primary care providers, leaders in clinical practice, researchers and nurse educators in the field of Midwifery and Women’s Health in Tanzania.

The practice of midwifery requires acquisition of knowledge, skills and attitudes that embrace compassion, respect, empathy and legal consideration in the provision of care.

b) programme learning outcomes

Upon completion of the programme, students shall be able to:

1. Assess plans, provides and evaluates evidence based midwifery care for the women and/or baby with complex needs.
2. Apply midwifery ethics, human right principle and effective decision making in health care delivery.
3. Evaluate delivery methods based on the outcomes in relation to mother and neonate health conditions.
4. Function in accordance with legislation and common law affecting midwifery practice.
5. Apply systematic approach during interventions in neonatal crisis situation.
6. Promote safe and effective midwifery care and to facilitate decision making by the woman and/or their families.
7. Carry out research related to reproductive health, midwifery and neonatal care.
5.2.8.1 MSc MIDWIFERY: CURRICULUM MATRIX

Year 1 SEMESTER 1: Foundation courses

<table>
<thead>
<tr>
<th>Codes</th>
<th>Module</th>
<th>Lectures</th>
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Total hours and credits for semester 1: 340 34

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Semester 2

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<td><strong>Scheme of study</strong></td>
<td><strong>Lecture</strong></td>
<td><strong>Tutorial</strong></td>
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<td>62 - 126 22</td>
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5.2.9 MASTER OF MEDICINE PROGRAMMES

a) Programme Description

The MMed training at KCMU College is four (4) years programme. It is designed for qualified medical practitioners who are strongly motivated towards a specialist career in Medical Sciences and Academic Medicine. Those who graduate in these courses will be expected to augment the national need for specialists in medical disciplines, which will improve the roles expected of Tanzanian Consultant Hospitals in teaching, service and research.

b) Programme Learning outcomes

Upon completion graduate of MMed will be able to
1. Implement all legal and ethical requirements pertaining to the contemporary practice of medicine
2. Manage all aspects of patient care, including adverse outcomes, as part of a multidisciplinary healthcare team
3. Demonstrate an in-depth knowledge of the principles of health service management and be capable of incorporating these into clinical practice
4. Formulate research hypotheses, design experimental studies and conduct research in a scientific and ethical manner
5. Critically evaluate the role of molecular and cellular biology in the etiology of disease [translational medicine strand]
6. Appraise the role and potential importance of molecular techniques / approaches in the diagnosis and therapy of disease [translational medicine strand]
7. Discuss the role of the doctor in the primary and secondary prevention of disease at population level
8. Critically appraise research data and write research reports
9. Evaluate the key concepts of global health and examine the major challenges affecting health systems and health outcomes globally [population health and health implementation strand]

5.2.9.1 MMED PROGRAMME MATRIX

Overview of Semesters 1-8 (years 1-4)

Semester 1

In semester one all MMed candidates whatever the specialty will be full time engaged in 5 Basic Sciences modules (modules 1-5) from beginning of the Academic Year in October until the December. From the mid December candidates will be in their respective specialty departments.

Semester 2

From March to July the candidates will be in the respective departments belonging to their specialty. In this period there will be
another three Basic Sciences modules specific for the discipline (modules 9 and 10).

**Semesters 3 and 4**

Semester 3 and 4 of year 2: main emphasis is on learning and experiencing the specialty of training, and on rotations through different sub-specialties of the specialty. Also she/he takes part in the academic activities of the department (Journal Club, case presentations, protocol meetings, post-mortem meetings, etc). Mmed 2 will begin year two with foundation courses (5 modules) on Global health, epidemiology, biostatics, research methods and research management.

A part from that, the candidate has to identify a topic for research and prepare a research proposal, to be submitted in July in semester 4.

**Semester 5 and 6**

Semesters 5 and 6 of year 3: in semester 5 data collection for the research has to take place and the data have to be analysed and reported in a dissertation, to be submitted early July in semester 6 for assessment.

A part from the research work, the resident continues to be involved in clinical work (both caring for in- and out-patients, performing procedures, operations etc as appropriate to the specialty), as well as taking part in academic activities of the department.

**Semester 7 and 8**

Semesters 7 and 8 in year 4: in this final year the resident works semiindependently under global supervision of the consultants, participating fully in all activities of the department and also teaching selected topics to undergraduates.
At the end of semester 8 he/she sits for the Final University Examination.

Rotations can be undertaken inside or outside (external rotation) KCMC/KCMU College. Each rotation has to be assessed according to a given format. Prior approval for external rotations (= outside KCMC/ KCMU College) must be obtained from the Director of Postgraduate Studies.

Duty hours

Residents should average no more than 80 hours per week in patient care activities. They should have at least one day in seven free of patient care and be on call no more than one night in three.

5.2.9.2 MMED Programme evaluation

1  The effectiveness of the programme shall be regularly evaluated by faculty and residents with respect to the quality of the curriculum and the extent to which the educational goals are met.

2  The teaching faculty shall be regularly evaluated, and shall include evaluation of clinical knowledge, teaching ability and commitment.

3  Residents shall be evaluated regularly with respect to their knowledge, skills and overall performance. All evaluations will be kept by the coordinator.
MMED EXAMINATION SCHEDULE

A. Year 1 Semester 1: Foundation course: 5 Modules = MAT 1-5
B. Year 1: Semester 1: Basic Sciences: 5 Modules = MAT 6-10
C. Year 1: Semester 2: Speciality courses = MAT 11-12
D. Year 2: Semester 3: Speciality courses = ESAT 1
E. Year 2: SEMESTER 4: Speciality courses = ESAT 2
F. Year 3: SEMESTER 5: Speciality courses = ESAT 3 & 4
G. Year 3: SEMESTER 6 Speciality course, Research & DISSERTATION = ESAT 5
H. Year 4 SEMESTER 7 & 8: Speciality courses = ESAT 6

5.2.9.3 MMED Dissertations

The dissertation options for MMed residents therefore are:

1. The present formal research project
2. Series of minimally 10 cases with different diagnoses, which were largely managed by the MMed resident
3. Series of minimally 5 cases with the same or similar diagnosis, which were largely managed by the MMed resident
4. Cochrane review-like meta-analysis of a clinical entity, leading to a new or improved management protocol
5.2.10 MMed in Dermato-Venereology

a) Programme Description
The four year training programme in dermato-venereology will provide the trainees with the educational and practical experience that will permit them to deliver highly qualified specialized care to patients with skin diseases, leprosy and sexually transmitted infections (STIs) including HIV/AIDS. In addition to an extensive knowledge of general dermato-venereology the graduate will be a highly trained expert for all dermato-epidemiological and community health aspects contributing to the prevalence of skin diseases and allied fields.

b) Programme Learning outcomes
By the end of the programme residents will be able to

The trainee will have acquired the essential practical skills including:
1. Essential principles and techniques of history taking and examination of skin, visible mucous membranes, genito-urinary tract, the eye and neighbouring structures
2. Basic investigation of venous and lymphatic systems including physical examination
3. Palpation of peripheral nerves with sensory and voluntary muscle function test
4. Genetic counselling on pattern of inheritance and recurrence risk
5. Staining procedures and cultures for microbes (e.g. fungi, bacteria)
6. Diagnostic skin procedures, such as microscopic analysis of biological specimens (e.g. fungal and ectoparasitic scrapings, Tzank preparations, dark-field illumination, oncho-snips, slit skin smears for AFBs)
5.2.10.1 MMed in Dermato-Venereology

Year 1 Semester 1 (Foundation courses)

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<th>Codes</th>
<th>Module (MAT 1-5)</th>
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<td>FCM 104</td>
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Total hours and credits for semester 1  **300 30**

Year 1: Semester 1: Basic Sciences

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Total hours and credits for semester 1  **300 30**

Year 1: Semester 2 (MAT 11-12)

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200
5.2.11 MMed IN OPHTHALMOLOGY

a. Programme Description
Masters of Medicine Ophthalmology is a four year postgraduate university programme that aims at producing fully competent specialists in ophthalmology who have understanding of the scientific basis of diseases, have command of the clinical cognitive skills and surgical know-how of the profession.

a. Programme Learning Outcomes:
By the end of this programme residents will be able to
1. Describe the principles and practice of optics and refraction.
2. Practice general medical and surgical ophthalmology.
3. Explain the scientific basis of diseases as well as the scientific basis clinical and surgical practice.
4. Practice ethical principles associated with the profession of ophthalmology.
5. Plan and implement intervention measures required for prevention of blindness and ophthalmic public health.
6. Evaluate principles and practices of low vision therapy and rehabilitative ophthalmic medicine.
7. To conduct research in the field of ophthalmology
5.2.11.1 MMED OPHTHALMOLOGY: CURRICULUM MATRIX

**Year 1: Semester 1: Foundation courses**

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Total hours and credits for semester 1: 300 30

**Year 1 Semester - Basic science**

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TOTAL HOURS AND CREDITS IN SEMESTER 1: 300 30

**Year 1: Semester 2**

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**TOTAL HOURS AND CREDITS YEAR 1,2,3 & 4**

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5.2.12 MMED IN DIAGNOSTIC RADIOLOGY & MEDICAL IMAGING

a) Programme Description

Master of Medicine (Radiology) comprises four years full-time supervised clinical training. On completion of the course, students acquire a defined body of knowledge and procedural skills which will be used to perform diagnostic and therapeutic procedures and to make appropriate clinical decisions. The course endeavours to develop students' analytical and problem-solving skills necessary to function as effective diagnostic radiologists. Candidates are expected to adapt their cognitive and observation skills to enable accurate interpretation of the various medical imaging modalities employed in modern radiology. The course aims to ensure that the qualified radiologist will continue to keep up to date with new developments in imaging, and make learning, teaching and research a part of their professional career.

b) Programme learning outcomes

By the end of this programme students will be able to

1. develop analytical and problem solving skills necessary to function as an effective diagnostic radiologist;
2. develop finely tuned cognitive and observation skill required to enable accurate interpretation of the above modalities;
3. acquire a defined body of knowledge and procedural skills which will be used to perform diagnostic and therapeutic procedures and to make appropriate clinical decisions;
4. ensure that the qualified radiologist will continue to keep up to date with new developments in imaging and make learning, teaching and research a part of their professional career;
5. collaborate effectively with other health professionals for the provision of optimal patient care, education and research;
6. prioritise and effectively execute tasks through teamwork with colleagues; and
7. recognise the need for continued learning and to model this for others.
8. Conduct research activities related to their specialty

### 5.2.12.1 MMED IN DIAGNOSTIC RADIOLOGY & MEDICAL IMAGING: CURRICULUM MATRIX

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Total hours and credits for semester 1: 340 34

#### Year 1 Semester 1: Basic science

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TOTAL HOURS AND CREDITS IN SEMESTER 1: 300 30
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**TOTAL HOURS AND CREDITS IN SEMESTER 1** 600 60

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**TOTAL HOURS AND CREDITS FOR SEMESTER 7**  
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**TOTAL HOURS AND CREDITS FOR SEMESTER 8**  
600  60

**TOTAL HOURS AND CREDITS (Year 1,2,3,4)**  
5440 544
5.2.13 MMED IN INTERNAL MEDICINE

a) Programme description
The postgraduate Mmed program in Internal medicine provides a multidisciplinary approach to clinical medicine. The Department seeks to educate its residents and to conduct research directed at improving the health of the public. Our goal in teaching residents is to provide them with the skills, knowledge and attitudes needed to understand the essential links between the social, physical and economic environment and the health of individual patients and their families. The Department directs research efforts at issues affecting the community at large and its individuals.
On completion of training the graduand with master in Internal medicine will be expected to be able to work as a specialist in that field. He/she will understand the scientific basis of diseases, the scientific basis of clinical medicine and has the skills and ethics associated with the profession.
The programme consists of 8 semesters (over 4years):

b) Programme Learning outcomes.
At the end of the programme the candidate will be able to
1. provide patient care that is effective and suitable to the promotion of health, prevention of maladies, and treatment of disease according to the available resources.
2. demonstrate sufficient knowledge in internal medicine specialities to be able to apply that knowledge to patient care and the mentor junior doctors.
3. Apply interpersonal and organizational skills to manage a clinical team.
4. Conduct research and disseminate results effectively with the aim to improve patient care practices.
5. Demonstrate behaviors that show maturity in ethical practices, professional development, respect to vulnerable groups and a responsible attitude towards work and their patients.
5.2.13.1 MMed in Internal Medicine: CURRICULUM MATRIX:

Year 1: Semester 1: Foundation courses

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Total hours and credits for semester 1: 340 34

Year 1 Semester 1: Basic science

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TOTAL HOURS AND CREDITS IN SEMESTER 1: 300 30

Year 1 SEMESTER 1 & 2

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**TOTAL CREDITS AND HOURS IN SEMESTER 3**  
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**TOTAL HOURS AND CREDITS IN SEMESTER 4**  
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**TOTAL HOURS AND CREDITS (Year 1,2,3,4)**

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215
5.2.14 MMed in PADEATRIC AND CHILD HEALTH

Programme Description

The course is designed to train a paediatrician who should be competent enough to work independently in a Regional or District Hospital. The candidates are expected to become competent specialists at international level in the practice of all aspects of paediatrics, with a specific experience regarding diseases and situations prevalent in East Africa.

Learning Outcomes

By the end of this programme students should be able to

1. Describe childhood diseases in a wider context;
2. Apply in depth the knowledge of basic sciences (including psychosocial sciences), pathophysiological principles and use of clinical acumen to reach diagnosis, treatment, complications, prognosis and prevention sufficient to manage the sick child in an appropriate environment at consultant level.
3. Communicate and teach others
4. React appropriately in acute situations and be competent to support chronically ill patients and their families.
5. Manage complicated paediatric illnesses and be able to present and discuss such conditions intelligently at departmental grand rounds and clinical meetings.
6. Manage curative and preventive paediatric services with a clear view on priorities in view of scarce resources and the ability to cooperate within the healthcare system as well as inter sectorial.
7. Work with communities
5.2.14.1 MMed in PADEATRIC AND CHILD HEALTH: CURRICULUM MATRIX

Year 1: Semester 1: Foundation courses

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Total hours and credits for semester 1 340 34

Year 1: Semester 1: Basic science

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TOTAL HOURS AND CREDITS IN SEMESTER 1 300 30

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TOTAL HOURS AND CREDITS IN SEMESTER 1 450 45

217
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**TOTAL HOURS AND CREDITS FOR SEMESTER 6** 660 66

### Year 4: SEMESTER 7

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**TOTAL HOURS AND CREDITS FOR SEMESTER 7** 600 60

### Year 4: SEMESTER 8

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**TOTAL HOURS AND CREDITS FOR SEMESTER 8** 600 60

**TOTAL HOURS AND CREDITS (Year 1,2,3,4)** 4844 484.4

219
5.2.15 MMed IN GENERAL SURGERY

a) Programme Description

The programme aim to train candidates to become competent specialists in the practice of general surgery. On completion of the training the graduand with the degree of Master in General Surgery is expected to be able to work as a specialist in the field of general surgery, with understand in the scientific basis of surgical disease, the scientific basis of clinical surgical practice and have the knowledge, skills, attitude and ethics associated with the profession.

b) Learning Outcomes

By the end of this programme graduate (specialist) will be able to

1. Integrate applied advanced sciences and knowledge with clinical reasoning in general surgery;
2. Train and supervise general surgery to health professionals at all levels;
3. Demonstrate appropriate and sound professionalism in all aspects of patients care and serve a role model to junior health professionals;
4. Utilize information and computer technology to facilitate evidence based surgical care, learning, research, and administration;
5. Demonstrate sound surgical knowledge on diseases and conditions which need surgical intervention in Tanzania, Africa and in the world;
6. Utilize and apply acquired knowledge to make critical decisions and provide evidence based care to all patients needing surgical intervention;
7. Initiate, plan, execute and disseminate clinical research findings.
8. Promote good health practices and prevent common preventable surgical conditions, and;
9. Apply managerial and leadership skills in management of surgical health service provision.

### 5.2.15.1 MMed IN GENERAL SURGERY: CURRICULUM MATRIX

#### Year 1: Semester 1: Foundation courses

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**Total hours and credits for semester 1** 340 34

#### Year 1 Semester 1: Basic science

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**TOTAL HOURS AND CREDITS IN SEMESTER 1** 300 30
Year 1: SEMESTER 2: Surgical Speciality Specific Basic Sciences Modules

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Year 2 SEMESTER 3: Surgical Rotation

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**TOTAL HOURS AND CREDITS IN SEMESTER 6**  
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223
### Year 4 SEMESTER 7

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**TOTAL HOURS AND CREDITS IN SEMESTER 6**  
600 60

### Year 4: SEMESTER 8

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**TOTAL HOURS AND CREDITS IN SEMESTER 8**  
600 60

4840 484.
5.2.16 MMed IN OBSTETRICS AND GYNAECOLOGY

PROGRAMME DESCRIPTION

The programme aim to train candidates to become competent specialists in the practice of Obstetrics and Gynaecology. At the end of training the graduand with the degree of Master on Obstetrics and Gynaecology is expected to be able to work as a specialist in that field, with an understanding of the scientific basis of diseases, the scientific clinical practice, and have the knowledge, skills, attitude and ethics associated with the profession.

PROGRAMME LEARNING OUTCOMES
### 5.2.16.1 MMed in Obstetrics and Gynaecology: Curriculum Matrix

#### Year 1: Semester 1: Foundation courses

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**Total hours and credits for semester 1**

**340**  **34**

#### Year 1 Semester 1: Basic science

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**TOTAL HOURS AND CREDITS IN SEMESTER 1**

**300**

#### Year 1: Semester 2

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**TOTAL HOURS AND CREDITS IN SEMESTER 1**

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**TOTAL HOURS AND CREDITS IN SEMESTER 2**  
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## Year 2: Semester 3: Specialty courses

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**TOTAL HOURS IN SEMESTER 3 (OBGY SPECIALITY)**  
600  60
### Year 2: SEMESTER 4

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<th>Lectures</th>
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**TOTAL HOURS AND CREDIT IN SEMESTER 4**

|              | 600 | 60 |

### Year 3: Semester 5

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**TOTAL HOURS AND CREDITS FOR SEMESTER 5**

|              | 600 | 60 |

228
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<td>Dealing with a patient facing emotional and psychological impact of pregnancy</td>
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<td>Perform all gynecological surgeries like hysterectomy, vaginal hysterectomy, and simple VVF repair</td>
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<td>General surgery emergencies like colostomy, bowel repair and laparotomy for acute abdomen.</td>
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<td>OBGY 4763</td>
<td>Urological surgical emergencies like suprapubic catheterization, urinary bladder injury repair, nephroscopy and cystoscopy.</td>
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**TOTAL HOURS AND CREDITS FOR SEMESTER 8**

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**TOTAL HOURS AND CREDITS (Year 1,2,3,4)**

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230
5.2.17 MMed IN UROLOGY

a) PROGRAMME DESCRIPTION

Urology training programme shall be organized to provide a stable well coordinated and progressive acquisition of both basic sciences and clinical experience. Taking into account that urology is a surgical subspecialty and that there are still few surgeons in the country/region a urologist in Tanzania/East and Central Africa needs to know as much general surgery as possible and in particular surgical emergencies and abdominal surgery. Therefore the MMed Urology trainee will have a specified rotation in general surgery department.

b) PROGRAMME LEARNING OUTCOMES

On successfully completion of the training the graduate in MMed Urology is expected to be able

1. to work independently as a specialist in the field (general abdominal surgery and urology) with an understanding of the scientific basis of urologic surgical disease, the scientific basis of clinical surgical and urologic practice and
2. Demonstrate skills, attitude and ethics, related to the profession.
5.2.17.1 MMed urology: CURRICULUM MATRIX

### Year 1: Semester 1: Foundation courses

<table>
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<th>Module</th>
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**Total hours and credits for semester 1**  
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34

#### Year 1 Semester 1: Basic science

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**TOTAL HOURS AND CREDITS IN SEMESTER 1**  
300  
30

#### Year 1 Semester 2: Basic science

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**TOTAL HOURS AND CREDITS IN SEMESTER 1**  
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### Year 2: Semester 3

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**TOTAL HOURS AND CREDITS FOR SEMESTER 5**

|             |                                                  |          |          |                  | 600       | 30          |

### Year 3: Semester 6

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**TOTAL HOURS AND CREDITS FOR SEMESTER 6**

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### Year 4: Semester 7

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**TOTAL HOURS AND CREDITS FOR SEMESTER 7**

|             |                                                  |          |          |                  | 600       | 60          |

### Year 4: Semester 8

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**TOTAL HOURS AND CREDITS FOR SEMESTER 8**

|             |                                                  |          |          |                  | 600       | 60          |

**TOTAL HOURS AND CREDITS (Year 1,2,3,4)**
5.2.18 MMed IN ORTHOPAEDIC SURGERY

a. PROGRAMME DESCRIPTION

This training program in orthopaedic surgery and trauma aims at producing a compassionate, knowledgeable and technically competent individual. This individual is especially broad-spectrum trained as to widely meet the varied orthopaedic needs of the communities characterised by scarcity of highly specialised orthopaedic manpower to undertake much needed orthopaedic treatment and rehabilitation services.

b. PROGRAMME LEARNING OUTCOMES

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

1. Integrate applied advanced sciences and knowledge with clinical reasoning in general surgery;
2. Demonstrate and apply principles of scientific research methods in surgical clinical research;
3. Train and supervise general surgery to health professionals at all levels
4. Demonstrate appropriate and sound professionalism in all aspects of patients care and serve a role model to junior health professionals;
5. Utilize information and computer technology to facilitate evidence based surgical care, learning, research, and administration;
6. Understand and demonstrate sound surgical knowledge on diseases and conditions which need surgical intervention in Tanzania, Africa and in the world;
7. Utilize and apply acquired knowledge to make critical decisions and provide evidence based care to all patients needing surgical intervention;
8. Initiate, plan, execute and disseminate clinical research findings.

9. Promote good health practices and prevent common preventable surgical conditions

10. Apply managerial and leadership skills in management of surgical health service provision.

5.2.18.1 MMed ORTHOPAEDIC SURGERY: CURRICULUM MATRIX

Year 1: Semester 1: Foundation courses

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Year 1 Semester 1: Basic science

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Year 1: SEMESTER 1: Surgical Speciality Specific Basic Sciences Modules

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Year 2: Semester 3: Specialty courses

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**TOTAL HOURS AND CREDIT IN SEMESTER 4**

|        | 600 | 60  |

### Year 3: SEMESTER 5

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**TOTAL HOURS AND CREDITS FOR SEMESTER 5**

|        | 600 | 60  |

### Year 3: SEMESTER 6

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<td>20</td>
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<td>30</td>
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<td>MORT 3632</td>
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<td>MORT 3633</td>
<td>Sport medicine</td>
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<td>20</td>
<td>30</td>
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</table>

**TOTAL HOURS AND CREDITS FOR SEMESTER 6**

|        | 600 | 60  |

238
### Year 4: SEMESTER 7

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<tr>
<th>Codes</th>
<th>Module</th>
<th>Lectures</th>
<th>Tutorial</th>
<th>Self study</th>
<th>Practical</th>
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<th>Total Credits</th>
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<tbody>
<tr>
<td>MORT 4734</td>
<td>Entrapment syndrome and nerve compression</td>
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<td>MORT 4738</td>
<td>External rotation in physiotherapy and orthopedic workshop</td>
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<td>MORT 4739</td>
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**TOTAL HOURS AND CREDITS FOR SEMESTER 7** 600 60

### Year 4: SEMESTER 8

<table>
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<th>Lectures</th>
<th>Tutorial</th>
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<th>Total Credits</th>
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<td>MORT 4841</td>
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<td>MORT4842</td>
<td>Advanced principal of orthopedic surgery</td>
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<td>40</td>
<td>40</td>
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<tr>
<td>MORT4844</td>
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**TOTAL HOURS AND CREDITS FOR SEMESTER 8** 600 60

**TOTAL HOURS AND CREDITS (Year 1,2,3,4)** 4690 469
5.2.19 MMed IN OTORYNOLARYNGOLOGY (ENT)

PROGRAMME DESCRIPTION

Masters of Medicine Ophthalmology is a four year postgraduate university programme that aims at producing fully competent specialists in ophthalmology who have understanding of the scientific basis of diseases, have command of the clinical cognitive skills and surgical know-how of the profession.

PROGRAMME LEARNING OUTCOMES

By the end of the programme students will be able to
1. Discuss the scientific basis of diseases as well as the scientific basis clinical and surgical practice.
2. Practice general medical and surgical in ophthalmology.
3. Demonstrate a command of the principles and practice of optics and refraction.
4. Demonstrate skills, attitude and ethics associated with the profession of ophthalmology.
5. Apply relevance intervention required for prevention of blindness and ophthalmic public health.
6. Apply the principles and practices of low vision therapy and rehabilitative ophthalmic medicine.
# MMedOTORYNOLARINGOLOGY: CURRICULUM MATRIX

## Year 1: Semester 1: Foundation courses

<table>
<thead>
<tr>
<th>Codes</th>
<th>Module</th>
<th>Lectures</th>
<th>Tutorial</th>
<th>Independent study</th>
<th>Practical</th>
<th>Total hours</th>
<th>Total Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCM 101</td>
<td>Introduction to Global Health</td>
<td>20</td>
<td>-</td>
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<td>-</td>
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<tr>
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<td></td>
<td>40</td>
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<td>60</td>
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<td>Research management and leadership</td>
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</table>

**Total hours and credits for semester 1**

340 34

## Year 1 Semester 1: Basic science

<table>
<thead>
<tr>
<th>Codes</th>
<th>Module</th>
<th>Lectures</th>
<th>Tutorial</th>
<th>Independent study</th>
<th>Practical</th>
<th>Total hours</th>
<th>Total Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD1106</td>
<td>Anatomy</td>
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<td>10</td>
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<td>20</td>
<td>60</td>
<td>6</td>
</tr>
<tr>
<td>MD1107</td>
<td>Pathology</td>
<td>20</td>
<td>10</td>
<td>10</td>
<td>20</td>
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<td>6</td>
</tr>
<tr>
<td>MD1108</td>
<td>Physiology</td>
<td>20</td>
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<td>10</td>
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<tr>
<td>MD1109</td>
<td>Clinical Pharmacology</td>
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**TOTAL HOURS AND CREDITS IN SEMESTER 1**

300 30
### Year 1 Semester 1: Program Specility

<table>
<thead>
<tr>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head and Neck Anatomy and embryology</td>
</tr>
<tr>
<td>Anomalies arising from Head and Neck due to defective embryology</td>
</tr>
<tr>
<td>Anatomy of External Ear</td>
</tr>
<tr>
<td>Anatomy of Middle and Inner</td>
</tr>
<tr>
<td>Ear Physiology of Hearing</td>
</tr>
<tr>
<td>Physiology of Balance Anatomy of Nose</td>
</tr>
<tr>
<td>Physiology of Olfaction and associated disorders</td>
</tr>
<tr>
<td>Anatomy of the Paranasal sinuses and associated Physiology</td>
</tr>
<tr>
<td>Anatomy of Major salivary glands</td>
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<tr>
<td>Physiology and Biochemistry of salivary glands</td>
</tr>
<tr>
<td>Anatomy of the Pharynx</td>
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<tr>
<td>Mechanism of swallowing</td>
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<tr>
<td>Fluids and Electrolytes balance</td>
</tr>
<tr>
<td>Physiology and treatment of shock due to volume loss</td>
</tr>
<tr>
<td>Wound healing</td>
</tr>
<tr>
<td>Temporal bone dissection (cadaveric)</td>
</tr>
<tr>
<td>Head and Neck dissection on cadaver</td>
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</tbody>
</table>

### Year 1: Semester 2

### YEAR 2 SEMESTER 4
5.2.20 MMED ANAESTHISIA

a. Programme Description

Masters of Medicine anaesthesia is a four year postgraduate university programme that aims at producing fully competent specialists in anaesthesia who have understanding of the scientific basis of diseases, have command of the clinical cognitive skills and anaesthesia know-how of the profession.

b. Programme Learning outcomes

On completion of the four-year training programme, the graduand is expected to be able
a. Practive as a specialist in the field of anaesthesia
b. Teach anaesthesia to juniors
c. Practice intensive/critical medicine and emergency medical situations
d. Conduct research related to anaesthesia

5.2.20.1 MMED ANAESTHISIA- MATRIX

Year 1: Semester 1: Foundation courses

<table>
<thead>
<tr>
<th>Codes</th>
<th>Module</th>
<th>Lectures</th>
<th>Tutorial</th>
<th>Independent study</th>
<th>Practical</th>
<th>Total hours</th>
<th>Total Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCM 101</td>
<td>Introduction to Global Health</td>
<td>20</td>
<td>-</td>
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<td>FCM 102</td>
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<tr>
<td>FCM 103</td>
<td>Epidemiology</td>
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<td>FCM 105</td>
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Total hours and credits for semester 1: 340 34
Year 1 Semester 1: Basic science

<table>
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<th>Codes</th>
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<th>Lectures</th>
<th>Tutorial</th>
<th>Independent study</th>
<th>Practical</th>
<th>Total hours</th>
<th>Total Credits</th>
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<tr>
<td>MD1106</td>
<td>Anatomy</td>
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<tr>
<td>MD1108</td>
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<td>MD1109</td>
<td>Clinical Pharmacology</td>
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<tr>
<td>MD1110</td>
<td>Immunology &amp; Genetics</td>
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<td>10</td>
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<td>10</td>
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</tbody>
</table>

TOTAL HOURS AND CREDITS IN SEMESTER 1  

5.3. DOCTOR OF PHILOSOPHY (PhD) PROGRAMME

a) Programme Description

This is a 3 – 4 year programme requiring 549 credits and is based on publications and taught courses. Publications shall be based on results from objectives as proposed in the final PhD proposal. The proposed research project has to be relevant and of acceptable scientific academic standards. Both the preliminary and final PhD proposal should specifically indicate how the minimum requirement of 3 papers in 2 or more different peer reviewed journals will be achieved.

b) Programme Learning outcomes

i. Identify knowledge gaps, synthesize relevant information, develop focussed research questions and lead research independently

ii. Demonstrate and/or work with a critical understanding of the principal theories and concepts in the field of his/her study
iii. Generate knowledge through personal research or equivalent contribution to the development of the subject/discipline, judged by independent experts applying international standards

iv. Apply knowledge and do advanced research resulting into significant and original contributions to a specialized field

v. Demonstrate a command of methodological issues and engage in critical dialogue with peers, able to work autonomously and in complex and unpredictable situations

vi. Demonstrate creativity and teaching skills, including student supervision, in working with students and other professionals in academic, research or practice settings

vii. Communicate effectively, both orally and in writing, with peers and the wider scholarly community and the public in general about knowledge and experience in his/her areas of expertise

viii. Employ skills, practices and/or materials which are specialized or at the forefront of a subject/discipline

ix. Critically evaluate arguments, assumptions, abstract concepts and data to make judgments, and to frame appropriate questions to achieve solutions or identify a range of solutions to a problem

x. Design and conduct original research with scholarly integrity that contributes to knowledge or innovation

xi. Demonstrate originality, creativity, authority, innovation, autonomy, scholarly and professional integrity and sustained commitment in the application of knowledge and development of new ideas or processes at the forefront of work or study context including research; and

xii. Design and implement research based on ethical and professional integrity
5.3.1 PhD: Curriculum Matrix

**Year 1:** Proposal Development, Ethical Approval and basic courses  
**Year 2:** Data collection and basic courses  
**Year 3:** Data analysis, Publications and Conferences  
**Year 4:** Finalize publication and thesis writing

<table>
<thead>
<tr>
<th>Codes</th>
<th>Course</th>
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<th>Lectures</th>
<th>Independent</th>
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<td>PHD1105</td>
<td>Systematic literature review and scientific writing</td>
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<td>PHD1106</td>
<td>Introduction to global health</td>
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<td>PHD1107</td>
<td>Teaching methodology</td>
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<td>PHD TEACH</td>
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</tr>
<tr>
<td>PHDSUPR V</td>
<td>Supervision of undergraduate/ co-supervision of postgraduate (2 students)</td>
<td>0</td>
<td>40</td>
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<td>20</td>
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<tr>
<td>PHD PREST</td>
<td>Presentation in academic forums (2 times)</td>
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<tr>
<td>PHD CONF</td>
<td>Oral or poster presentation at national/international conferences (at least two)</td>
<td>0</td>
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<td>PHD OPT</td>
<td>Optional courses (2) @ 1 week</td>
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<td>30</td>
<td>50</td>
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<td>240 640 540</td>
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</table>

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6.0 COLLEGE SUPPORT ORGANS

6.1 DIRECTORATE OF RESEARCH AND CONSULTANCIES

6.1.1 Introduction

The quality of clinical services and teaching is improved a great deal from research. Since the inception of the KCMU College, many research projects are being done with collaboration between staff and students at KCMC and KCMU College. Cognizant of the central role of research, KCMU College has worked out and adopted a Research Policy based on the following objectives:

6.1.2 Objectives

1. To define research priorities falling within national research priorities in solving local and regional health problems.

2. To inculcate a research culture and individual initiatives among staff and the community.

3. To improve the linkage between research and application of research results to allow optimal utilization of resources in the health sector.

4. To encourage collaborative research between scientists inside and outside the country.

In order to achieve the above objectives, the following strategies have been adopted:

6.1.3 Strategies

- Research priorities will be reviewed regularly
- Establishing a Research Department and computerization of inventory of ongoing and past research to facilitate utilization of reliable data on major health problems.
• Workshops will be held regularly to provide training in research methodology.
• Core funding for priority health and biomedical research
• Annual College estimates will be worked out to sustain research activities.
• The College Research and Ethical Committee will clear all research by the College members of staff.

6.1.4 GUIDELINES FOR CONDUCTING RESEARCH

6.1.4.1 Research Clearance.

Permission to conduct health research in Tanzania must be sought from the National Institute for Medical Research (NIMR). Research Permits are issued by the Commission for Science and Technology (COSTECH) to foreign researchers. However, the College Research Ethics Committee is authorized to issue research clearance for proposals submitted by KCMU College/KCMC staff members.

6.1.4.2 Investigators

All research to be conducted at KCMUCo/KCMC must have a senior KCMUCo/KCMC staff member competent in the field of study, as a principal investigator.

6.1.4.3 Research Priority Areas

• Infectious diseases, especially malaria, HIV/AIDS, TB and diarrhoea.
• Non-communicable diseases which include cardiovascular diseases, physical disabilities, diabetes and nutritional diseases
• Malignancies.
• Social cultural practices in health
6.1.4.4 Capacity Building

This will include:-

- Human resource development through training and recruitment of local personnel.
- Scientific exchange, knowledge and skills transfer
- Essential equipment and/or infrastructure

6.1.4.5 Budget

The budget must be adequate to cover:-

- Personnel research salaries, allowances or honorarium and perdiems for all local participating staff;
- Training – short and/or long courses depending on project size.
- Institutional costs which includes 10 % of budget costs as overheads.

6.1.4.6 Ethical issues

Health research must maintain ethical standards outlined in the “Guidelines on Ethics for Health Research in Tanzania”.

6.1.4.7 Research output

Research proposals must address

- Clear procedures for information dissemination.
- Where the results will be published Order of authorship.
- Acknowledgement of sponsor, participating institution and support staff.

6.1.4.8 Availability of Products

Contract agreement should be drawn to ensure that a product with proven beneficial effects is made available to all research subjects and the community.
6.1.4.9 Archived Specimens

Where archived are required for another experiment, investigators must submit a new application for ethical clearance.

6.1.4.10 Patent Rights and Sharing of Benefits

In research involving commercial products, collaborators should draw contract agreements detailing among other issues:-

- How intellectual property rights matters shall be dealt with.
- Anticipated benefits and risks that may have to be shared.

6.1.4.11 Disposal of Residual Resources

Disposal of research input resources at the completion of study must be specified between collaborating institutions and where necessary the participating communities. The disposal should however aim at capacity building at the host institution.

6.2 THE LIBRARY

The library provides facilities for literature search. It has 20,000 volumes and about 40 periodicals and journals and a medical illustration unit. In addition various schools have their own small libraries. The main library staff give expert advice on how to manage them.

Library Opening Hours

Monday - Friday: 9.00 a.m. to 10.00 p.m.
Saturday: - 9.00 a.m. to 6.00 p.m.
6.3 THE TEACHING HOSPITAL - KCMC

KCMC is a referral hospital for the Northern Zone of Tanzania (Kilimanjaro, Tanga, Arusha, Manyara, Dodoma and Singida). In addition, KCMC has well established Outreach Services and Community Health Services, whereby its specialists visit hospitals in many parts of

the country by air or by road, with over 250 service days per year. Other outreach activities are home visits by the social welfare department, mother-child health care and occupational therapy.

The teaching and research activities going on in the hospital are intense. This hospital is the main teaching hospital for the KCMUCo. It provides and promotes a very conducive environment for teaching and learning.

6.4 STUDENTS WELFARE SERVICES:

6.4.1 HOSTELS/ACCOMMODATION

1. The Kilimanjaro Hostel is within the college campus can accommodate about 44 college students mainly new comers.

2. The Nuru Hostel facilitated by the Good Samaritan Foundation accommodates 60 college students is close-by within one kilometer from the college. Both hostels have food catering services.

3. Accommodation in some of the allied schools hostels is extended to KCMU-College students. Some of these hostels have cooking facilities.

4. Additional lodging facilities and also preferred by students are offered by neighbouring rent houses within two to three kilometres of the college campus.
6.4.2 STUDENT ACTIVITIES

Student activities are organised by Tumaini University Makumira Students Organisation (TUMaSO) and Kilimanjaro Christian Medical Centre Students Organisation (KCMUC-SO). They are concerned with student’s academic, social and recreational activities. Plans have been made to expand sports and games facilities in order to cater for the needs of increasing number of students and staff.

6.4.3 RELIGIOUS ACTIVITIES

KCMUC is committed to proclaim Christ through healing, teaching and research. It strives to combine professional excellence with a spirit of compassion and servant hood in the course of fulfilling the call of teaching, healing and research.

Although KCMUC is a Christian institution, students and staff have complete freedom of worship. Membership, too, of the College is open to all persons without distinction of race, ethnic origin, sex or religion.

There are facilities for worship for Christians and other denominations. The Chaplaincy is ecumenical and the Department of Clinical Pastoral Education provides pastoral services to the KCMC Community including neighbouring communities. The Chaplaincy provides spiritual consultation to patients, staff and students.
### 7.0 ACADEMIC STAFF LIST

**DIRECTORATE OF POSTGRADUATE STUDIES:**

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<td>1</td>
<td>Prof. Declare L. Mushi</td>
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**7.2 INSTITUTE OF PUBLIC HEALTH (Director: Dr. Sia E. Msuya)**

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**7.3 DIRECTORATE OF RESEARCH AND CONSULTANCY**

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## 7.4 FACULTY OF MEDICINE

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3 Department: Dermatology

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| 4  | **Department: Ear, Nose and Throat**                      |                         |                |                                            |

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**5 Department: Anaesthesiology**

**6 Department: Obstetrics & Gynaecology**
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Department: Oncology
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Department: Orthopaedics & Traumatology
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10 Department: Paediatrics and Child Health
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11 **Department: Pathology**

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14 Department: Urology

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20 Institute of Public Health, Department of Short courses Training

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21 Department: Microbiology and Immunology

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22 Department: Parasitology and Entomology

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**Department: Pharmacology**

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25 Department: Psychiatry

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7.5 FACULTY OF NURSING (Ag. Dean: Ms. Rogathe Machange)

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<td><a href="mailto:rosemak92@yahoo.com">rosemak92@yahoo.com</a>; <a href="mailto:rosemak92@gmail.com">rosemak92@gmail.com</a></td>
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**FACULTY OF REHABILITATION MEDICINE (Dean: Mr. Harold Shangali)**

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### Department of Occupational Therapy

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