KCMC UNIVERSITY

PROSPECTUS

FIRST EDITION

ACADEMIC YEAR 2025/26

PROSPECTUS INDEXING DATA

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STATEMENT FROM THE VICE CHANCELLOR

The 2025/26 prospectus is intended to provide information to any party interested in the KCMC University (KCMC University) Programmes of study. The prospectus provides a synopsis of diverse academic programmes for Health and Allied Sciences offered by the different academic units of the University as well as key information that is intended to guide prospective and registered students of KCMC University. The overarching goal is to train highly competent graduates equipped with the requisite competencies and professional attributes for ethical conduct and practice in health care delivery at national, regional, or global levels.

The prospectus does not constitute a contract of any kind between the University and the interested party. It was compiled based on 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 Senate of KCMC University shall be final.

It is my hope that you will find this prospectus resourceful and use it to guide you and plan your activities while at KCMC University. It is my pleasure to welcome you to this University if you have already chosen to study here and encourage prospective candidates to make the necessary preparations that will enable them to make the right choice and join KCMC University in the future.

Prof. E. E. Kaaya
Vice Chancellor, KCMC University

WELCOME ADDRESS


PROF. EPHATA ELIKANA KAAYA
PROVOST
KILIMANJARO CHRISTIAN MEDICAL UNIVERSITY COLLEGE

As a Christ-cantered institution, the University community aspires to nurture education in an environment of love, mercy, compassion, and faithfulness. Students are allowed to learn interactively without discrimination and are enabled to create an environment conducive to the successful completion of the awards they registered for.

As part of the KCMC University Community, you have an intrinsic role in contributing the best you can to creating a comfortable home by harmoniously studying and cooperating with other students and staff within the framework stipulated by rules, regulations, and Student By-Laws. Your courses may be long and tedious. Therefore, you are advised to study diligently to gain adequate knowledge, skills, and attitudes, which will enable you to contribute to the social-economic development of the nation. Therefore, you are urged to be conversant with the health care delivery of curative, preventive, promotive, and rehabilitative services to the communities that you will serve.

You are warmly welcome to KCMC University to build your career in an Institution that is guided by Quality and excellence.

Ephata E. Kaaya (MD, MSc, FCP-ECSA, FCPath (H) - SA, PhD)
VICE CHANCELLOR

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1.0 PRINCIPAL OFFICERS OF THE UNIVERSITY

1.1 The Chancellor

Rt. Rev. Bishop Dr. Alex Gehaz Malasusa

1.2 The Vice Chancellor

Prof. Ephata E. Kaaya,

1.3 The KCMC University Council

The KCMC University Council is the supreme policy-making organ of the University. The Council members are: -

SN	NAME	POSITION
1.	Prof. Lughano J. Kusiluka	Chairman
2	Prof. Sylvia Shayo-Temu	Vice–Chairperson; Non-Health Universities Representative
3	Adv. Aniceth Gaitan Boyi	Corporate Counsel-Secretary to the Council
4	Prof. Ephata E. Kaaya	The Vice–Chancellor
5.	Rogath Lewis Mollel	The Executive Secretary of ELCT
6.	Prof. Gileard Masenga	Executive Secretary of GSF
7.	Dr. Bill Kiwia	Representative of the Loans Board.
8.	Dr. Loishooki Saitore Laizer	Director of Training - MoH.
9.	Dr. Erasto Andreas Mtitu	Representative, Directorate of Higher Education – MoEST
10.	Prof. Emmanuel Balandya	Public Universities Representative
11.	Prof. Estomih Phillip Mtui	President of the Convocation
12	Prof. Noel Sam	Appointee of Senate
13	Dr. Judika L. Kingori	Appointee of the Council
14	Ms Doreen Joseph	Appointee of the Council – Business Sector.
15	Prof. Josephat Stephen Itika	Appointee of the Council

16	Dr. Elisifa E. Nnko	Appointee of the Council
17	Dr. Elichilia Shao	KUASA Chairperson
18	Eshleman Simon	KUSO President
19	Prof. Levina J. Msuya	Ag. DVC-ARC
20	Prof. Declare L. Mushi	Ag. DVC-PFA

1.4 The University Management

Vice Chancellor
Prof. Ephata E. Kaaya, MD (UDSM), MSc Path (UDSM), PhD Path (Karolinska), FCP (ECSA), FCPath (SA)

Ag. ***Deputy Vice Chancellor for Academic Research and Consultancy***
Prof. Levina Msuya, MD, MMed, (TU), FESPE (UK)

Ag. ***Deputy Vice Chancellor, Planning, Finance and Administration,***
Prof. Declare L. Mushi, BA (UDSM), MA (UDSM), PhD (Heidelberg).

Dean, School of Medicine
Prof. Pendo Mlay MD, MMed, (TUMA),

Dean School of Public Health
Dr. Florida J. Muro MD (TUMA), PGDip, MSc (LSHTM) PhD (TUMA)

Dean, School of Nursing
Dr. Jane Rogathi, Diploma (KCMC), BSc (TU), MSc (TU)MA, PhD (TUMA).

Dean, School of Rehabilitation Medicine
Prof. Jaffu Chilongola, BVM, MVM, PhD (SUA)

Director of Quality Assurance

Prof. Johnson J. Matowo BSc (UDSM), MSc (TUMA), PhD (TUMA)

Director of Postgraduate Studies:
Prof. Kajiru Kilonzo, MD (UDSM), MMed (TUMA), MPhil (UCT).

Director, Research, Consultancy and Publications
Prof. Reginald Kavishe (BSc, MSc, PhD)

Director of Continuing Professional Development (DCPD)
Dr. Deborah Kajeguka, BSc (UDSM), MSc, PhD (TUMA)

Director of Library Services (DLS)
Dr. Rhodes Mwageni BA, PGDE, MA (UDSM), PhD (KwaZulu Natal)

Ag. Director of Student Services
Rev. Anza Lema, BD (TUMA), MACD (UDOM)

Ag. Director of Finance and Planning
CPA Gilda J. Mtaita, BA-AF (IAA), MBA-Finance (MWECAU), (CPA) (T).

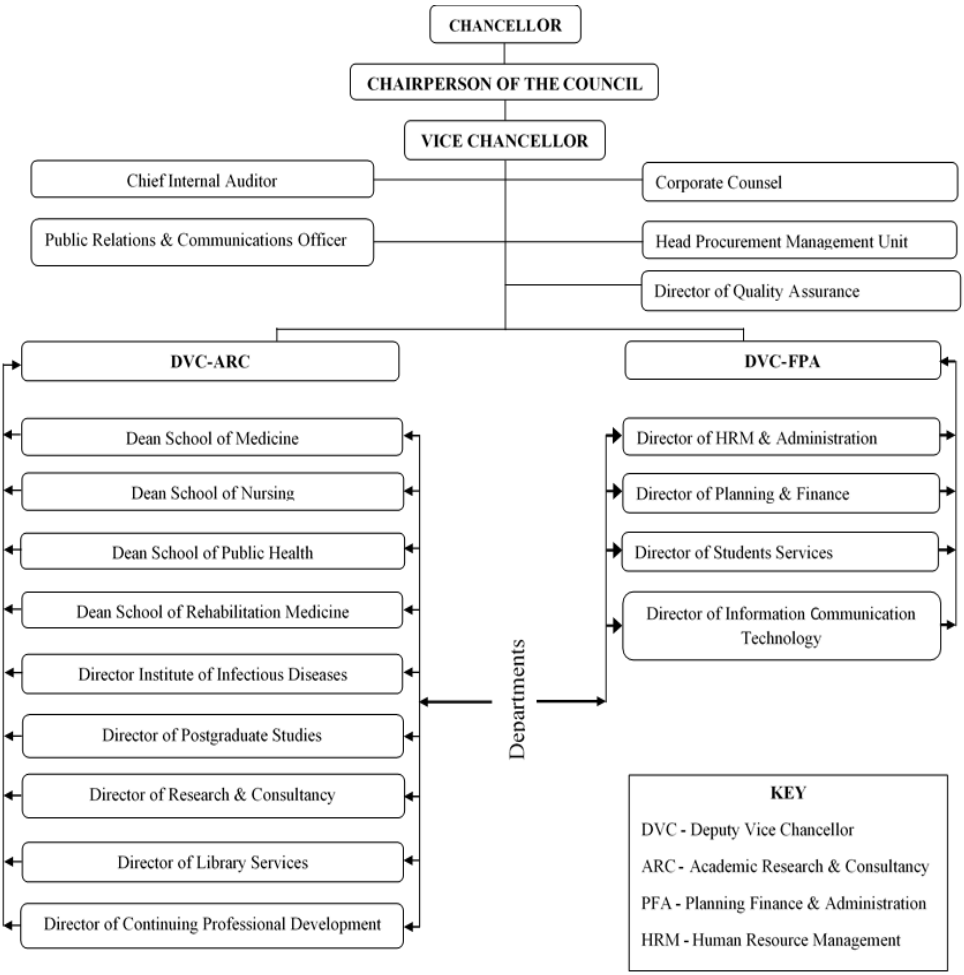
Ag. Director of Information Communication Technology
Mr. Gabriel Masuka, BSc, MSc

Chief Internal Auditor
CPA Moses T. Mkoba, BCOM (UDSM), MSC-(A&F), (CPA)

Corporate Legal Secretary/Secretary to the Council
Adv. Aniceth Gaitan Boyi, LL. B (MU), LL.M - Int. Law (MU)

Public Relations and Communications Officer
Ms. Jessica J. Msemo, BMass Com & PR (TUMA)

1.5 KCMC University Organogram



1.6 The History, Vision, and Mission of the University

Nestled on the lush slopes of Mount Kilimanjaro, just four kilometres north of Moshi in northern Tanzania, KCMC University is the culmination of a six-decade partnership between the newly independent Tanganyikan government and the country's Christian churches.

In the early 1960s, as Tanganyika charted its course to independence, the government invited the Lutheran, Anglican, and Moravian churches to build and operate a referral and teaching hospital for the Northern Zone. The three denominations responded by creating the Good Samaritan Foundation (GSF) to mobilize local and international support.

By March 1971, the first phase of Kilimanjaro Christian Medical Centre (KCMC) Hospital was complete and formally opened. Initially managed by the government as a national referral and consultant centre, KCMC Hospital returned to GSF's stewardship in August 1992. At that point, the Evangelical Lutheran Church in Tanzania (ELCT) re-launched its efforts to expand health sciences education.

In October 1997, under the ELCT umbrella and affiliated with Tumaini University (TU), Kilimanjaro Christian Medical College (KCM College) admitted its first

medical students. It soon added Nursing, Rehabilitation Medicine, and Public Health programs, as well as faculties and directorates for Postgraduate Studies, Research & Consultancy, and Library Services.

The ownership of the college passed entirely to the ELCT in 2003. Two years later, the Universities Act No. 7 of 2005 was enacted. Later in 2010, KCM College was awarded a charter of incorporation as Kilimanjaro Christian Medical University College (KCMUCo), remaining a constituent of a newly established University–Tumaini University Makumira (TUMA). To align more closely with KCMC Hospital and pursue full university status, GSF reassumed ownership of KCMUCo in 2013. After meeting all regulatory requirements, the Tanzania Commission for Universities granted final approval for the transformation to KCMC University on 1 March 2025.

KCMC University is directed by its vision, mission, and core values as follows: -

(i) Vision

"A transformative Christian centre of excellence providing evidence-based training in health with a sustainable resource base." This vision commits KCMC University to shaping health professionals whose practice

is grounded in rigorous science, ethical leadership, and a stewardship approach to people and the planet.

(ii) Mission

"To provide an enabling environment for innovative and quality teaching, research, and services responsive to national and global needs." Through modern curricula, cutting-edge research, and community-oriented service, the University strives to address evolving health challenges across Tanzania and beyond.

(iii) Core Values

The university's core values embrace: - *Love, Mercy, Compassion, Integrity, Transparency, Diversity, Creativity, Innovation, Excellence, and Accountability*

These values—rooted in the University's Christian heritage—guide every partnership, policy, and practice, ensuring that KCMC University remains a beacon of hope and health for the communities it serves.

1.7 University Programmes

The university offers diplomas, undergraduate bachelor's, master's, and PhD programmes as follows: -

1.7.1 Diploma Programmes

Diploma in Medical Laboratory Sciences (Dipl in MLSc).

1.7.2 Undergraduate Programmes

(i) Bachelor of Science in Prosthetics and Orthotics (BSc. Prost Orth).
(ii) Bachelor of Science in Physiotherapy (BSc Physio).
(iii) Bachelor of Science in Nursing (BScN).
(iv) Bachelor of Science in Health Laboratory Sciences (BSc HLSc).
(v) Bachelor of Science in Optometry (BSc Optomet).
(vi) Bachelor of Science in Occupational Health (BSc OT)
(vii) Doctor of Medicine (MD)

1.7.3 Postgraduate Master Programmes

(i) **Master of Public Health (MPH)**
(ii) **Master of Science (MSc)**
  (a) MSc in Clinical Research
  (b) MSc in Epidemiology and Applied Biostatistics
  (c) MSc in Medical Microbiology, Immunology with Molecular Biology.
  (d) MSc in Medical Parasitology and Entomology.
  (e) MSc in Urology.
  (f) MSc in Midwifery.
  (g) MSc in Anatomy and Neuroscience
  (h) MSc in Monitoring & Evaluation for Health Programmes
(ii) **Master of Medicine (MMed)**
  (a) MMed in Dermato-Venereology
  (b) MMed in Diagnostic Radiology and Medical Imaging
  (c) MMed in General Surgery

(d) MMed in Internal Medicine
(e) MMed in Obstetrics and Gynaecology
(f) MMed in Ophthalmology.
(g) MMed in Orthopaedics Surgery & Traumatology
(h) MMed in Paediatrics and Child Health
(i) MMed in Anatomic Pathology
(j) MMed in Emergency Medicine
(k) MMed in Urology
(l) MMed in Otorynolaryngology (ENT)
(m) MMed in Anaesthesia

1.7.4 Doctor of Philosophy Programmes

2.0 GENERAL ADMISSION REGULATIONS

2.1 General Information

Inquiries about admission into all programmes under the University shall be addressed to: -

The Admissions Officer,
KCMC University,
P.O. Box 2240,
Moshi, Tanzania.
Tel: +255 (027) 2753616
Fax: +255 (027) 2751351
E-mail: <admission@kcmcu.ac.tz>.
Website: <www.kcmcu.ac.tz>.

2.2 Admission and Registration Regulations

(i) A candidate shall be admitted to KCMC University

on the understanding that in accepting the admission he/she commits him/herself to adhere to its Charter and Rules, Regulations, Policies, Procedures, and By-laws. KCMC University is an institution of higher learning and expects students' behaviour on and off campus to be morally sound, ethical, and legal. The University reserves the right to withdraw admission for conduct that is contrary to its objectives.

(ii) *Undergraduate admission process*: All applications shall be made through the KCMC University admission portal, and all required information related to a specific admission cycle shall be posted on the website www.kcmcu.tz.ac.

(iii) *Postgraduate admission process*: Postgraduate programme applications shall start in February of each year. Application instructions can be obtained from the KCMC University website www.kcmcu.ac.tz. Completed applications and all necessary supporting documents shall be submitted to the admissions office before the end of July of the year for which admission is being sought. Applications with relevant attachments, as listed below, shall be addressed to the address above:

(a) A copy of the financial receipt in respect of the application fees paid.
(b) Completed application forms with notarized copies of the original certificates and transcripts.
(c) Completed medical examination forms.
(d) The academic year begins in October each year (unless otherwise stated). This is preceded by

the orientation week for first-year students.

(iv) *Registration*

(a) All students (including on-going students) shall register with the Admissions Office during the first two weeks (14 days) of every semester or on return from vacation.

(b) Students shall only be registered upon payment of the 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 of the first day of the orientation week. Under no circumstances shall students be registered after the lapse of fourteen (14) days.

(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, attend classes, or sit for examinations at the University unless the required documents and fees have been submitted to the admission office*. Any student attempting to attend classes or access any other University facility without payment of the relevant fees is subject to expulsion.

(g) Late registration shall attract a penalty of **TZS 100,000/=** for nationals and **USD 100** for foreign students.

(h) No student arriving two (2) weeks (14 days)

after the academic year has started shall be allowed to register.

(i) Students who fail to register on time within the two weeks *(sections (d) and (h)),* if at all they still want to pursue studies at KCMC University, shall have to reapply for admission during the next year, but this depends on their eligibility, during that application cycle.

(j) No student shall be allowed to postpone or freeze studies after the academic year has begun except under special circumstances. *Permission to postpone/freeze studies shall be considered after producing satisfactory evidence of the reasons for postponement*. Special circumstances shall include ill health and serious social problems. In any case, a student wishing to postpone or freeze studies must follow the prescribed procedures by applying to do so from the **Chairperson of the University Senate**, through the Head of Department, the Dean of the Relevant School, and (for Postgraduates, the Director of Postgraduate studies), and DVC - ARC. Students shall only be allowed to postpone or freeze studies after **the Senate has approved the request.** The request to postpone or freeze studies shall be made well in advance, at least eight (8) weeks before any planned examination, unless there are urgent extenuating circumstances.

(k) During freezing or postponement of studies, no fees shall be refunded to the student because

the student is still registered and shall continue with studies at the point, he/she froze studies.

(l) No student shall be allowed to postpone studies during the two weeks preceding the final examination but may be considered postpone the examination.

(m) 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 the availability of vacancies.

(n) When postponement has been approved, the student needs to write to the University to confirm interest in joining the relevant programme the following year. This confirmation shall be done at least **six (6) months** before the beginning of the respective academic year. Beyond this time, the student shall be required to reapply for admission afresh.

(o) Students may be allowed to freeze studies and be away 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 shall be re-admitted to the same year of studies where they froze their studies.

(p) No student shall freeze studies without following proper procedures and approval by the Senate.

(v) Student identification card

(a) Students shall be issued identification (ID)

cards, which they should always wear on campus.

(b) The ID card is not transferable, and any fraudulent use may result in loss of student privileges or suspension.

(c) Loss of the ID card shall be reported to the office of the Director of Student Services, where a new one shall be issued upon payment of **TZS 10,000/=** (Ten thousand Tanzanian Shillings only).

(vi) Academic integrity

(a) The academic community of the University believes that one of the goals of an Institution of higher education is to enhance the academic integrity and responsibility among its members.

(b) To this end, the University emphasizes the importance of sound judgment and personal sense of responsibility, and professionalism in each student. All members of the academic community are expected to respect the highest standards of academic integrity.

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

(d) A student who commits an act of academic

dishonesty shall face disciplinary action as prescribed in the students' By-Laws, other Regulations, and in this Prospectus.

(e) All admission officers and ICT staff shall take an oath of their offices and duties related to admission of students on appointment/employment and at the beginning of every academic year. The format of the oath shall be prescribed in the admissions policy/Handbook as an annex.

(f) After taking the oath *(Section (d) above),* which shall be administered by a neutral attorney, the admissions or ICT officer, the attorney, and witness (es) shall sign the oath as appropriate, and each officer shall keep one copy. The other copy of the Oath shall be kept in a safe under the custody of the Corporate Legal Secretary (CLS). The CLS shall be responsible for implementing the University's oaths calendar.

2.3 Admission Requirements

(i) All courses in the programmes are taught in English. Therefore, students must be proficient in reading, writing, and speaking English.

(ii) Holders of 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: -

(a) The National Examination Council of

Tanzania, in respect of Certificates of Secondary Education.

(b) The National Council for Technical Education, with respect to the NTA level 6 qualification,

(c) The Tanzania Commission for Universities for Degrees.

2.4 Transfer from one Programme to another

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

2.5 Transfer from another University

Both undergraduate and postgraduate students transferring from another University, which has a similar programme to that of KCMC University, shall be considered to take corresponding courses as per Tanzania Commission for Universities (TCU) guidelines of transferring students, based on Credits Accumulation and Transfer System (CATS). The credit transfer shall be guided by the following regulations: -

(i) KCMC University shall accept credit transfer into its programmes through CATS from students registered in accredited universities and in programmes recognized by the commission or any other national, regional, or international accrediting body recognized by the commission.

(ii) Before accepting the transfer of a student through

the CATS, KCMC University shall have to make sure the modules and courses completed at the other University's programme are equivalent or relevant to the modules and courses in the programme that the student intends to transfer into at KCMC University and approve such equivalency of modules and courses in the programme.

(iii) Students shall be allowed to transfer credits to KCMC University only during the time they are doing biomedical sciences and shall not be allowed to transfer once they start the practical or clinical training in all programmes.

(iv) Notwithstanding Regulation (iii) above, a student who intends to transfer credits to KCMC University and to graduate at the University shall need to earn at least 50% of the total credits in CORE course(s) of a particular programme. For the sake of clarity students shall be allowed to transfer credits from year one (1) to two (2), and year two (2) to three (3) only for the MD programme and for all other programmes once they start clinical/practical specialty courses they shall not be allowed to transfer.

(v) In any case, accumulated credits shall not be transferred within a time exceeding five years from the date they were earned.

(vi) Before a student is transferred to KCMC University he/she shall clear all supplementary examinations at the transferring University, but the Senate may allow the student transfer carry overs after assessing the comparability of the modules/courses and their coverage. Transferred students shall earn credits at

KCMC University only from completed subjects, modules, or courses in the programme.

(vii) KCMC University shall include the number of credits and grades earned for a course in calculating the Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) of the student transferred from another University.

(viii) KCMC University shall not allow a student discontinued on academic grounds to transfer credits or register as a new student in the failed programme at KCMC University. A student wishing to continue with university education in the same KCMC University programme shall wait for a lapse of two (2) years after discontinuation but shall not be allowed to transfer any credits earned before discontinuation. This regulation applies to both undergraduate and postgraduate programmes.

(ix) A student of KCMC University who was discontinued on academic, or examination irregularities shall not be allowed to transfer credits, but one wishing to continue with university education in a different programme or another institution in a different programme can do so if he/she registers in the next study cycle. This regulation applies to both undergraduate and postgraduate programmes.

(x) In the transfer of students, the transferring student shall observe the following: -

(a) A student wishing to transfer credits to KCMC University shall identify the programme she/he wants to transfer into at KCMC University, and any rules and expectations which KCMC

University may have on transfer matters.

(b) The transferring student shall understand and accept the terms and conditions regarding the programme.

(c) The student shall initiate the process in accordance with the student's transfer regulations of the transferring university and those of KCMC University.

(d) The student shall confirm his/her acceptance of the terms and conditions set out by KCMC University regarding CATS

(e) The transferring student shall notify his/her sponsor about the transfer arrangements through the office of DVC - ARC at KCMC University.

(f) KCMC University shall satisfy itself that the student seeking transfer has met the conditions for transfer, including the entry criteria or the programme at KCMC University.

(g) The University shall ensure that all transfer arrangements made by the releasing University are acceptable.

(h) The University shall counsel the student on compliance requirements for a mismatch between its programme and that of the transferring University.

(i) The University shall promptly notify the Commission after completion of the transfer arrangement and receiving the student, as well as report to HESLB and other relevant authorities who are stakeholders of the transferred student.

(j) Once the transfer arrangements are completed, KCMC University shall submit the student's credit transfer request letter to the Commission.

(k) The University shall submit to the Commission all copies of academic certificates and provisional results/academic transcripts from the releasing University.

(l) The University shall submit to the Commission the credits comparison matrix showing the courses and credits earned from the releasing University and the year of study against those of the receiving University and the student's details, including full name, gender, 'O' and "A'' Level Index numbers, nationality, and nature of disability (where applicable).

(m) The University shall communicate the transfer to the Commission before registration to allow the Commission to evaluate the student's eligibility to the programme he/she wishes to transfer to avoid any inconvenience.

(n) The University Senate may issue waivers in some prerequisite courses upon assurance that courses taken by a student at the releasing University have significant similarities in content and *learning outcomes* with all or some of the courses offered at KCMC University.

2.6 Entry Requirements for Diploma Programmes.

2.6.1 Diploma in Health Laboratory Sciences

Holders of Certificate of Secondary Education Examination (CSEE) with four (4) Passes in non-

religious Subjects, including at least "D" Passes in Chemistry, Biology, and Physics/Engineering Sciences, a Pass in Basic Mathematics, and English Language, is an added advantage.

2.7 Entry Requirements for Degree Programmes

2.7.1 Bachelor of Science (BSc) in Health Laboratory Sciences

(i) Direct Entry Qualifications

Three principal passes in **Physics, Chemistry,** and **Biology** with a minimum of 6 points: A minimum of a "**C"** grade in **Chemistry** and a "**D"** grade in **Biology,** and at least an "**E"** grade in **Physics**.

(ii) Equivalent Entry Qualifications

Diploma in Medical Laboratory Sciences **with an average of "B'' or a minimum GPA of 3.0**. In addition, an applicant **shall** have a minimum of a "**D**" grade in the following subjects: Mathematics, Chemistry, Biology, Physics, and English at O-Level.

2.7.2 Bachelor of Science (BSc) in Nursing

(i) Direct Entry qualifications

Three principal passes in Chemistry, Biology, and either Physics or Mathematics or Nutrition with a minimum of 6 points, i.e., an applicant shall have at least a C grade in Chemistry and at least a "D" grade in Biology and an "E" grade in Physics or Mathematics or Nutrition.

(ii) Equivalent Entry qualifications

Diploma in Nursing **with an average of a "B'' or a minimum GPA of 3.0**. In addition, an applicant shall have a minimum of a "**D**" grade in the following subjects: Mathematics, Chemistry, Biology, Physics, and English at O-Level.

2.7.3 Bachelor of Science (BSc) in Physiotherapy

(i) Direct Entry Qualifications

Three principal passes in **Physics, Chemistry,** and **Biology** with a minimum of 6 points: A minimum of a "**C"** grade in **Chemistry** and a "**D"** grade in **Biology,** and at least an "**E"** grade in **Physics**.

(ii) Equivalent Entry Qualifications

Diploma in Physiotherapy **with an average of a "B'' or a minimum GPA of 3.0**. In addition, an applicant **must** have a minimum of a "**D**" grade in the following subjects: Mathematics, Chemistry, Biology, Physics, and English at O-Level.

2.7.4 Bachelor of Science (BSc) in Prosthetics & Orthotics

(i) Direct Entry Qualifications

Three principal passes of at least a **"C"** grade in **Chemistry "D"** grade in **Biology,** and an **"E"** grade in **Physics/Mathematics,** and a minimum **point aggregate of 6.**

(ii) Equivalent Entry Qualifications

A Diploma in Orthopaedics Technology with an overall

average of grade **B+** or **GPA of 3.0** and above**,** from an institution approved and recognized Institution by TCU or NACTVET**.**

2.7.5 Bachelor of Science in Optometry

(i) Direct Entry Qualifications

Three principal passes of at least a **"C"** grade in Physics **"D"** grade in **Biology,** and an **"E"** grade in **Chemistry/Mathematics,** and a minimum point aggregate of **"6".**

(ii) Equivalent Entry Qualifications

Diploma in Optometry with an overall average of "**B+"** grade average or a **GPA of 3.0.**

2.7.6 Bachelor of Science in Occupational Therapy

(i) Direct Entrants Qualifications

Three principal passes in **Physics, Chemistry,** and **Biology,** at Advanced **"A"** level with a minimum entry point of "**6"** points, with at least a **"D"** grade in **Physics, Chemistry**, and **Biology**.

(ii) Equivalent Qualification Qualifications

Holders of Diploma in Occupational Therapy with an average of **"B"** grade or **GPA of 3.0**, PLUS Certificate of Secondary Education Examination (CSEE) with at least any **Five (5) passes** in the following subjects: - Mathematics, Geography, Chemistry, Biology, Physics, Nutrition, Economics, Engineering Science, Physical Science, and English.

2.7.7 Doctor of Medicine (MD)

(i) Direct Entry Qualifications

Three principal passes in **Physics, Chemistry,** and **Biology** with a minimum of "**6"** points aggregate: a minimum of "**D"** grade in **Physics, Chemistry,** and **Biology.**

(ii) Equivalent Entry Qualifications

Diploma in Clinical Medicine with a **"B'' g**rade average, OR a minimum **GPA of 3.0**. In addition, an applicant must have a minimum of a "**D**" grade in the following subjects: - *Mathematics, Chemistry, Biology, Physics, and English* at O-Level.

2.8 Entry Requirements for Master Programmes

2.8.1 Master of Public Health (MPH)

Applicants must hold a recognised Bachelor's degree (UQF Level 8) or equivalent qualification in a health or health-related field, including but not limited to Medicine, Dentistry, Laboratory Sciences, Pharmacy, Environmental Health, Nursing, Sociology, Anthropology, Biostatistics, Demography, Food Sciences, Veterinary Sciences, Epidemiology, Health Information Sciences, or Law, with a minimum GPA of 2.7 or a "B" grade average, or possess a relevant Postgraduate Diploma with a minimum GPA of 3.0 or a "B" grade average.

2.8.2 Master of Science in Clinical Research

Applicants must hold a recognised Bachelor's degree (UQF Level 8) or equivalent in Biological or Health

Sciences, including but not limited to Medicine, Microbiology, Veterinary Medicine, Biology, Zoology, Biochemistry, Molecular Biology and Biotechnology, Food Science, Nutrition and Dietetics, Dentistry, Public Health, Nursing, Health Laboratory Sciences, or Laboratory Technology, with a minimum Cumulative GPA of 2.7 or a "B" grade average.

2.8.3 Master of Science in Epidemiology & Applied Biostatistics

A bachelor's degree in medicine, dentistry, Biostatistics, statistics, epidemiology, demography, or biomedical sciences with a minimum **GPA of 2.7** or a **"B"** grade average.

2.8.4 Master of Science in M&M Molecular Biology

Bachelor of Science in Medical or Biological Sciences, such as Human Medicine, Veterinary medicine, Microbiology, Biology, Zoology, Molecular biology, and Biotechnology, with a minimum **GPA of 2.7** or a **"B"** grade average.

2.8.5 Master of Science in Parasitology & Medical Entomology

(i) Doctor of Medicine (MD) or its equivalent (MBBS, MB ChB) from this or another recognized University, with a minimum **GPA of 2.7** or a "**B"** grade average, OR;

(ii) Bachelor of Science in Biology, Parasitology, Entomology, Zoology, Microbiology, or Environmental Health Science with a minimum **GPA of 2.7** or a "**B"** grade average.

2.8.6 Master of Science in Midwifery

(i) Bachelor's degree in nursing, nursing/midwifery, or midwifery with a minimum **GPA of 2.7** or a "**B" grade average**. The candidate must be a qualified nurse, nurse/midwife, or midwife and registered with the Tanzania Nurses and Midwives Council (TNMC).

(ii) The candidate must hold a valid nursing or midwifery license to practice.

2.8.7 Master of Science Anatomy and Neuroscience

(i) Doctor of Medicine (MD) or equivalent (MBBS, MB ChB) with a minimum **GPA of 2.7** or a "**B" grade average**.

(ii) Bachelor of Science (BSc) in Biology, Zoology with a minimum **GPA of 2.7** or a "**B" grade average**.

2.8.8 Master of Science in MEHP

A candidate must have a minimum **GPA of 2.7** in a bachelor's degree from a recognized Higher Learning Health Professions Institution, OR a **"B"** grade average.

2.8.9 Master of Science in Urology (Super-specialty)

The candidate must have an MMed degree in General Surgery or its equivalent with a pass grade and above.

2.8.10 Entry Requirements for Master of Medicine (MMed) Programmes

(i) An applicant shall have a relevant academic First degree (MD, MBBS, MBChB), UQF level 8 or its equivalent, with a minimum **GPA of 2.7** or a "**B" grade average**. DDS candidates are not eligible for

any MMed degree but MDent.

(ii) The candidate MUST be registered, have a license to practice, and in Good Standing with the Medical Council of Tanganyika (MCT).

2.8.11 Entry Requirements for PhD Programmes

A candidate shall have a relevant master's degree (MPH, MSc, MMed, Or their Equivalents) with a minimum **GPA of 3.0** or a "**B" grade average** at master's degree level.

2.9 Admission Regulations

(i) Successful applicants shall be registered only after they have paid the requisite University fees and provided evidence of having a reliable sponsor.

(ii) Applicants who are employed must show evidence of release from their employers before they are allowed to register and must sign agreement with the University barring such applicants from engaging in any employment during the period of study

(iii) All students shall have to join or show evidence that they are members of National Health Insurance Fund or other similar fund at the time of registration.

(iv) Fees paid shallot be refunded, except under exceptional circumstances as determined by the University Management. All admitted students are expected to conform entirely to university regulations.

(v) All new students are required to report for the orientation programme that normally takes place

during the week preceding the beginning of the new academic year.

(vi) Except in exceptional circumstances, no student shall be allowed to change the study programme later than the Friday of the second week after the beginning of the first semester.

(vii) Changing from one KCMC University academic programme to another; or transfer from one institution to which the candidate has been admitted to KCMC University, shall only be allowed where the student meets the required admission criteria for the academic programme for which transfer is being sought, and a vacancy exists in that programme, followed by notifying the TCU as per the Guidelines *(also see students transfer above).*

(viii) Students entering KCMC University by transfer of credits, cannot transfer credits obtained elsewhere unless the programmes from the other University are in the Credit Accumulation and Transfer System (CATS). Such transfers shall conform to the Guidelines for credit transfer as prescribed above in this prospectus.

(ix) A student who intends to transfer credits for purposes of graduation at KCMC University shall be required to spend a minimum of 50% of the duration of the programme of study at this University.

(x) Undergraduate students who freeze studies shall be allowed to be away from the university for a maximum of four semesters if they are to be re-admitted to the same year of studies where they left

off. Beyond this time, they shall have to reapply for admission afresh.

(xi) Students discontinued from studies on academic grounds from this or any other university shall only be eligible for re-admission or admission, respectively, to this University for the same or any other programmes at least three years after discontinuation from studies.

(xii) Students *discontinued from studies on professional misconduct* or *disciplinary grounds* or due to *examination irregularities* shall not be readmitted to this University.

(xiii) Except under exceptional circumstances, no change of names by students shall be entertained during study at the University, and they will only be allowed to use names appearing on their O- and A-level certificates.

(xiv) No student shall be allowed to postpone or freeze studies after effective commencement of an academic year except under very special circumstances. Permission to postpone or freeze studies shall be considered after producing satisfactory evidence of the reasons for postponement or freezing and written approval from the sponsor (if applicable) and approved by the Senate. Special circumstances shall include:

(a) Sickness.
(b) Family/Social problems (each case to be considered on its own merit)
(c) Severe sponsorship problem or employer withdrawal of permission

(xv) Continuing students who have not signed the

Higher Education Student Loans' Board (HESLB) Pay Sheets shall not be allowed to register for any semester. Any further disbursement of funds from HESLB shall be stopped. No student (HESLB or other sponsors supported) shall be allowed to register for any semester without paying minimum

3.0 BURSARIES AND FEES

3.1 Introduction

(i) Payment of fees and other financial obligations is a contract between the University and the students. It is the sole responsibility of the student to solicit the fees and deposits and pay them in a timely fashion.
(ii) Except for finalists, excess fees paid by sponsor/guardian/parent shall be carried forward to the next academic year.
(iii) Fees paid shall not be refunded if a student withdraws or leaves the University.
(iv) The University accounts are for university activities only, and personal student funds should not be routed through the university accounts. All students shall open personal accounts to deposit personal money.
(v) Double sponsorship is not allowed. In such an event, the fees of one of the sponsors shall be returned to the sponsor.
(vi) Fee and other payments shall be made through the Online Student Information Management (OSIM) system, which has integrated the collection accounts. In any case the University Banker is: -

Local (TZS) Account: -
Account: KCMC University
Account No: 017101001339
Bank: National Bank of Commerce (NBC),
Branch: Moshi.

Forex Account (Dollar account):
Account Name: KCMC University
Account No: 017105000676
Bank: National Bank of Commerce (NBC),
Branch: Moshi.
SWIFT CODE: NLCBTZTX

P. O. Box 3030, MOSHI,
Tanzania.

3.2 Regulations for the Fees Structure

(i) The tables below outline the fee structure and estimated costs for various programs at KCMC University, but actual costs may vary by year and individual student needs.
(ii) Costs may also fluctuate annually due to inflation and market conditions; thus, fees paid to the university may be re-allocated or adjusted accordingly to maintain quality without prior Notice until the Council approve revision of the fees.
(iii) Foreign students must pay for a resident permit and check the current fee set by the Government.
(iv) The University reserves the right to change any fees, the usage of fees payable to the university, and

any deposits, and other charges, or any other provisions of this section at any time, regarding non-tuition fees payable to the university, and without prior notification to the students or their sponsors for the purpose of quality teaching and learning, and any such changes shall have immediate effect.

(v) Non-Tuition Fees payable to the University are for running the core functions and once paid shall not be refunded to the student.

(vi) If for any extenuating circumstance there a valid reason to refund any type of fee, such refund shall be refunded to the sponsor, unless the sponsor has expressed in writing that the money be given to the student.

(vii) The tables below present estimates of typical costs for different programmes at the KCMC University.

3.2.1 Fee Structure for all Programmes

NB: ALL FIRST YEARS - Please take NOTE OF A NEW FEE STRUCTURE FROM 2022/2023

(i) Diploma In Medical Laboratory Sciences and Other Diploma Programmes

(a) Fee Payables to the University	Year 1		Year 2		Year 3	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	30,000	30	-	-	-	-
Identity Card	10,000	10	-	-	-	-
Caution Money	30,000	30	-	-	-	-
Workshops/Local Conferences Fee	30,000	30	30,000	0	30,000	30
Student Union Fee	20,000	20	20,000	20	20,000	20
TCU Quality Assurance	20,000	20	20,000	20	20,000	20
Tuition Fee	1,850,000	1,500	1,850,000	1,500	1,850,000	1,500
Examination Fee	500,000	500	500,000	500	500,000	500
ICT Facilitation	50,000	50	50,000	50	50,000	50
Graduation	-	-	-	-	60,000	60
Field Work Supervision	-	-	100,000	100	100,000	100
Teaching Material	300,000	300	300,000	300	300,000	300
NHIF fee	50,400		50,400	-	50,400	-
Facility sustainability fee	50,000	50	-	-	-	-
Total payable to the University	**2,940,400**	**2,540**	**2,920,400**	**2,520**	**2,980,400**	**2,580**

Diploma In Medical Laboratory Sciences and Other Diploma Programmes						
(b) Fees Paid Direct to Student Costs	**Year 1**		**Year 2**		**Year 3**	
	Local (TZS)	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**
Accommodation	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200
Books	100,000	100	100,000	100	100,000	100
Field work	-	-	200,000	200	200,000	200
Special School requirements	100,000	100	100,000	100	100,000	100
Students Pass (Foreigners)	-	250	-	-	-	250
Total Cost Payable to Students	**3,450,000**	**3,700**	**3,650,000**	**3,650**	**3,650,000**	**3,900**

(ii) Bachelor of Science in Nursing

(b) Fees Payables to the University	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	50,000	50						
Identity Card	10,000	10						
Caution Money	50,000	50						
Tuition Fee	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000
Examination Fee	250,000	250	250,000	250	250,000	250	250,000	250
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50
Facility sustainability fee	50,000	50	-	-	-	-	-	-
Graduation	-	-	-	-	-	-	100,000	100
Research supervision	-	-	-		200,000	200	-	-
Fieldwork supervision	-	-	300,000	300	300,000	300	-	-
Workshops/Local Conferences Fee	30,000	30	30,000	30	30,000	30	30,000	30
TCU Quality Assurance	20,000	20	20,000	20,	20,000	20	20,000	20
Student Union	20,000	20	20,000	20	20,000	20	20,000	20
Teaching Materials	300,000	300	300,000	300	300,000	300	300,000	300
NIHF fund	50,400	50	50,400	50	50,400	50	50,400	50
Total payable to the University	**4,880,400**	**3,880**	**5,020,400**	**4,000**	**5,220,400**	**4,220**	**4,820,400**	**3,820**

BSc Nursing	Year 1		Year 2		Year 3		Year 4	
(b) Fees Paid Direct to Student Costs *	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**
Accommodation	800,000	800	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200	200,000	200
Books	500,000	500	500,000	500	500,000	500	500,000	500
Special School Requirements	400,000	400	400,000	400	400,000	400	400,000	400
Fieldwork	-	-	300,000	300	300,000	300	-	-
Research	-		-		500,000	500	-	-
TNC Fee*	-	80	-	-	-	-	-	-
Student's Pass** (foreigners)	-	250	-	-	-	250	-	-
Total Cost Payable to Students	**4,150,000**	**4,480**	**4,450,000**	**4,450**	**4,950,000**	**5,200**	**4,150,000**	**4,150**

**Tanzania Nursing Council (TNC) Fees is paid every after 4 years for Degree (TZS 80,000.00), master's and PhD Students (TZS 120,000.00)*
*** East African students are exempted from paying Student Pass*

(iii) Bachelor of Science in Health Laboratory Sciences

(a) Fees payable to the University	Year 1		Year 2		Year 3	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	50,000	50	-	-	-	-
Identity Card	10,000	10	-	-	-	-
Caution Money	50,000	50	-	-	-	-
TCU Quality Assurance	20,000	20	20,000	20	20,000	20
Tuition Fee	4,000,000	3,500	4,000,000	3,500	4,000,000	3,500
Examination Fee	250,000	250	250,000	250	250,000	250
ICT Facilitation	50,000	50	50,000	50	50,000	50
Graduation	-	-	-	-	100,000	100
Research Supervision	-	-	-	-	200,000	200
Field Supervision	-	-	-	-	300,000	300
NHIF fee	50,400		50,400		50,400	-
Facility sustainability fee	50,000	50	-	-	-	-
Teaching Materials	300,000	300	300,000	300	300,000	300
Workshops and Local Conferences Fee	30,000	30	30,000	30	30,000	30
Student Union	20,000	20	20,000	20	20,000	20
Total payable to the University	**4,880,400**	**4,330**	**4,720,400**	**4,170**	**5,320,400**	**4,770**

(b) BSc HLS	Year 1		Year 2		Year 3	
Dees Paid Direct to Student Costs *	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**
Accommodation	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200
Books	300,000	300	300,000	300	300,000	300
Fieldwork	-	-	-	-	300,000	300
Special School requirements	300,000	300	300,000	300	300,000	300
Research	-	-	-	-	500,000	500
*Student's Pass (foreigners)	-	250				250
Total Cost Payable to Students	**3,850,000**	**4,100**	**3,850,000**	**3,850**	**4,650,000**	**4,900**

**East African students are exempted from paying Student Pass*

***NB**: Students will be required to pay Health Laboratory Practitioners Council (HLPC) Fees*

(iv) Bachelor of Science in Physiotherapy

(a) Fees payable to the University	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	50,000	50	-	-	-	-	-	-
Identity Card	10,000	10	-	-	-	-	-	-
Caution Money	50,000	50	-	-	-	-	-	-
Tuition Fee	3,100,000	3,000	3,100,000	3,000	3,100,000	3,000	3,100,000	3,000
Examination Fee	250,000	250	250,000	250	250,000	250	250,000	250
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50
Facility sustainability fee	50,000	50	-	-	-	-	-	-
Graduation	-	-	-	-	-	-	100,000	100
Research supervision	-	-	-	-	-	-	200,000	200
Fieldwork supervision	-	-	300,000	300	-	-	300,000	300
Workshops and Local Conferences Fee	30,000	30	30,000	30	30,000	30	30,000	30
TCU Quality Assurance	20,000	20	20,000	20	20,000	20	20,000	20
Student Union	20,000	20	20,000	20	20,000	20	20,000	20
NIHF fund	50,400	50	50,400	50	50,400	50	50,400	50
Teaching Materials	300,000	300	300,000	300	300,000	300	300,000	300
Total payable to the University	**3,980,400**	**3,880**	**4,120,400**	**4,020**	**3,820,400**	**3,720**	**4,420,400**	**4,320**

(b) BSc Physiotherapy

Fees paid directly for student costs*	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Accommodation	800,000	800	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200	200,000	200
Books	500,000	500	500,000	500	500,000	500	500,000	500
Special School Requirements	300,000	300	300,000	300	300,000	300	300,000	300
Fieldwork	-	-	500,000	500	-	-	500,000	500
Research	-	-	-	-	500,000	500	-	-
Student's Pass* (foreigners)	-	250	-	-	-	250	-	-
Total Cost Payable to Students	**4,050,000**	**4,300**	**4,550,000**	**4,550**	**4,550,000**	**4,800**	**4,550,000**	**4,550**

**East African students are exempted from paying Student Pass*

(v) Bachelor of Science in Prosthetic & Orthotics

(a) Fees Payable to the University	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	50,000	50	-	-	-	-	-	-
Identity Card	10,000	10	-	-	-	-	-	-
Caution Money	50,000	50	-	-	-	-	-	-
Tuition Fee	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000
Examination Fee	250,000	250	250,000	250	250,000	250	250,000	250
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50
Graduation	-	-	-	-	-	-	100,000	100
Research supervision	-	-	-	-	200,000	200	-	-
Fieldwork supervision			300,000	300	300,000	300	-	-
Workshops and Local Conferences Fee	30,000	30	30,000	30	30,000	30	30,000	30
TCU Quality Assurance	20,000	20	20,000	20,	20,000	20	20,000	20
Student Union	20,000	20	20,000	20	20,000	20	20,000	20
Teaching Materials	800,000	800	800,000	800	800,000	800	800,000	800
Facility sustainability fee	50,000	50	-	-	-	-	-	-
NIHF fund	50,400	50	50,400	50	50,400	50	50,400	50
Total payable to the University	**5,380,400**	**4,380**	**5,520,400**	**4,500**	**5,720,400**	**4,720**	**5,320,400**	**4,320**

Bachelor of Science in Prosthetic & Orthotics								
(b)Fees paid Direct to Student Costs	**Year 1**		**Year 2**		**Year 3**		**Year 4**	
	Local (TZS)	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**
Accommodation	800,000	800	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200	200,000	200
Books	500,000	500	500,000	500	500,000	500	500,000	500
Special School Requirements	300,000	300	300,000	300	300,000	300	300,000	300
Fieldwork	-	-	500,000	500	-	-	500,000	500
Research	-	-	-	-	500,000	500	-	-
Student's Pass* (foreigners)	-	250	-	-	-	250	-	-
Total Cost Payable to Students	**4,050,000**	**4,300**	**4,550,000**	**4,550**	**4,550,000**	**4,800**	**4,550,000**	**4,550**
**East African students are exempted from paying Student Pass*								

(vi) Bachelor of Science in Optometry

(a) Fee Payable to the University	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	50,000	50	-	-	-	-	-	-
Identity Card	10,000	10	-	-	-	-	-	-
Caution Money	50,000	50	-	-	-	-	-	-
Tuition Fee	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000
Examination Fee	250,000	250	250,000	250	250,000	250	250,000	250
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50
Graduation	-	-	-	-	-	-	100,000	100
Research supervision	-	-	-	-	200,000	200	-	-
Fieldwork supervision	-	-	300,000	300	300,000	300	-	-
Workshops and Local Conferences Fee	30,000	30	30,000	30	30,000	30	30,000	30
TCU Quality Assurance	20,000	20	20,000	20,	20,000	20	20,000	20
Student Union	20,000	20	20,000	20	20,000	20	20,000	20
Teaching Materials	800,000	800	800,000	800	800,000	800	800,000	800
Facility sustainability fee	50,000	50	-	-	-	-	-	-
NIHF fund	50,400	50	50,400	50	50,400	50	50,400	50
Total payable to the University	**5,380,400**	**4,380**	**5,520,400**	**4,500**	**5,720,400**	**4,720**	**5,320,400**	**4,320**

Bachelor of Science in Optometry								
	Year 1		Year 2		Year 3		Year 4	
(b) Fees paid directly to Student Costs *	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**
Accommodation	800,000	800	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200	200,000	200
Books	500,000	500	500,000	500	500,000	500	500,000	500
Special School Requirements	300,000	300	300,000	300	300,000	300	300,000	300
Fieldwork	-	-	500,000	500	-	-	500,000	500
Research	-	-	-	-	500,000	500	-	-
Student's Pass* (foreigners)	-	250	-	-	-	250	-	-
Total Cost Payable to Students	**4,050,000**	**4,300**	**4,550,000**	**4,550**	**4,550,000**	**4,800**	**4,550,000**	**4,550**

**East African students are exempted from paying Student Pass*

(vii) Bachelor of Science in Occupational Therapy

Direct to University costs	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	50,000	50						
Identity Card	10,000	10						
Caution Money	50,000	50						
Tuition Fee	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000	4,000,000	3,000
Examination Fee	250,000	250	250,000	250	250,000	250	250,000	250
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50
Graduation	-	-	-	-	-	-	100,000	100
Research supervision	-	-	-	-	-	-	100,000	100
Fieldwork supervision	-	-	300,000	300	-	-	300,000	300
Workshops and Local Conferences Fee	30,000	30	30,000	30	30,000	30	30,000	30
Quality Assurance	20,000	20	20,000	20	20,000	20	20,000	20
NIHF fund	50,400	50	50,400	50	50,400	50	50,400	50
Teaching Materials	300,000	300	300,000	300	300,000	300	300,000	300
Facility sustainability fee	50,000	50	-	-	-	-	-	-
Total payable to the University	**4,880,400**	**3,880**	**5,020,400**	**4,020**	**4,720,400**	**3,720**	**5,220,000**	**4,220**

Bachelor of Science in Occupational Therapy								
(a) Fees paid directly to Student Costs	**Year 1**		**Year 2**		**Year 3**		**Year 4**	
	Local (TZS)	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**
Accommodation	800,000	800	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200	200,000	200
Books	500,000	500	500,000	500	500,000	500	500,000	500
Special School Requirements	300,000	300	300,000	300	300,000	300	300,000	300
Fieldwork	-	-	500,000	500	-	-	500,000	500
Research	-	-	-	-	500,000	500	-	-
Student's Pass* (International)	-	250	-	-	-	250	-	-
Total Cost Payable to Students	**4,050,000**	**4,050**	**4,550,000**	**4,550**	**4,550,000**	**4,550**	**4,550,000**	**4,550**
East African students are exempted from paying Student Pass								

(viii) Costs for Doctor of Medicine (MD) Programme

(a) Fee payable to the University	Year 1		Year 2		Year 3		Year 4		Year 5	
	Local (TZS)	Internet ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	50,000	50	-	-	-	-	-	-	-	-
Identity Card	10,000	10	-	-	-	-	-	-	-	-
Caution Money	50,000	50	-	-	-	-	-	-	-	-
Student Union	20,000	20	20,000	20	20,000	20	20,000	20	20,000	20
TCU Quality Assurance	20,000	20	20,000	20	20,000	20	20,000	20	20,000	20
Tuition Fee	4,200,000	3,000	4,200,000	3,000	4,200,000	3,000	4,200,000	3,000	4,200,000	3,000
Examination Fee	250,000	250	250,000	250	250,000	250	300,000	350	250,000	250
Teaching Materials	300,000	300	300,000	300	300,000	300	400,000	400	300,000	300
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50	50,000	50
Facility sustainability fee	50,000	50	-	-	-	-	-	-	-	-
Graduation fee	-	-	-	-	-	-	-	-	100,000	100
Community Research Supervision	200,000	200	200,000	200	300,000	300	350,000	35	-	-
Institutional costs for Community Outreach	400,000	400	400,000	400	-	-	400,000	400	0	0
Peripheral Placements	-	-	-	-	650,000	650	-	-	-	-
W/shops & Local Conferences Fee	30,000	30	30,000	30	30,000	30	30,000	30	30,000	30
NIHF fund	50,400	50	50,400	50	50,400	50	50,400	50	50,400	50
Total payable to the University	**5,680,400**	**4,480**	**5,520,400**	**4,320**	**5,870,400**	**4,670**	**5,820,400**	**4,620**	**5,020,400**	**3,820**

Costs for Doctor of Medicine (MD) Programme										
(b)Fees paid directly to Student Costs *	**Year 1**		**Year 2**		**Year 3**		**Year 4**		**Year 5**	
	Local (TZS)	**Foreign ($)**	**Local (TZS)**	**Foreign ($)**	**Local (TZS)**	**Foreign ($)**	**Local (TZS)**	**Foreign ($)**	**Local (TZS)**	**Foreign ($)**
Accommodation	800,000	800	800,000	800	800,000	800	800,000	800	800,000	800
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	100,000	100	100,000	100	100,000	100	100,000	100	100,000	100
Books	500,000	500	500,000	500	500,000	500	500,000	500	500,000	500
Fieldwork	200,000	200	200,000	200	300,000	300	300,000	300		
Special School Requirements	600,000	600	600,000	600	600,000	600	600,000	600	600,000	600
Elective Research	-	-	-	-	-	-	-	-	-	-
Student's Pass*(International)	-	250	-	-	-	250	-	-	-	250
Total Cost Payable to Student	**4,450,000**	**4,700**	**4,450,000**	**4,450**	**4,550,000**	**4,800**	**5,050,000**	**5,050**	**4,250,000**	**4,050**
***East African students are exempted from paying Student Pass**										

(ix) Fees for Master of Public Health (MPH) & Master of Science (MSc) Programmes

(a) Fee payable to the University	Year 1		Year 1		Year 2			
	MPH		All MSc		MSc EAB/ Urology		All MSc	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	100,000	50	100,000	50	-	-	-	-
Identity Card	10,000	10	10,000	10	-	-	-	-
Caution Money	50,000	50	50,000	50	-	-	-	-
Student Union	20,000	20	20,000	20	20,000	20	20,000	20
TCU Quality Assurance	20,000	20	20,000	20	20,000	20	20,000	20
Tuition Fee	4,500,000	4,000	4,700,000	4,200	4,700,000	4,200	4,700,000	4,200
Examination Fee	250,000	200	250,000	200	250,000	200	250,000	200
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50
Facility sustainability fee	50,000	50	50,000	50	-	-	-	-
Graduation fee	100,000	100	-	-	100,000	100	100,000	100
LAB Training Expenses	-	-	400,000	400	-	-	400,000	400
Research Supervision	200,000	200	-	-	200,000	200	-	-
Institutional Special School Requirements/ Teaching Materials	100,000	100	500,000	500	500,000	500	700,000	700
Workshops and Local Conferences Fee	50,000	50	50,000	50	50,000	50	50,000	50
Total payable to university	**5,500,000**	**4,900**	**6,200,000**	**5,600**	**5,890,000**	**5,340**	**6,290,000**	**5,740**

(b) Master of Public Health (MPH) & Master of Science (MSc) Programmes

Direct to Student Costs*	Year 1		Year 1		Year 2			
	MPH		All MSc		MSc EAB/ Urology		All MSc	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Accommodation	1,200,000	1,200	1,200,000	1,200	1,200,000	1,200	1,200,000	1,200
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
Stationery	200,000	200	200,000	200	200,000	200	200,00	200
Special School Requirements	600,000	600	600,000	600	600,000	600	600,000	600
Research	2,000,000	2,000	-	-	2,000,000	2,000	2,500,000	2,500
Dissertation	500,000	500	-	-	500,000	500	50,000	500
TCU verification fees	-	100	-	100	-	-	-	-
Laptop (Mandatory)	1,500,000	1,200	1,500,000	1,200,000	-	-	-	-
Student's Pass* (International)	-	250		250	-	-	-	-
Health Insurance**	600,000	300	600,000	300	600,000	300	600,000	300
Total Cost Payable to Students	**8,850,000**	**8,600**	**6,350,000**	**1,204,900**	**7,350,000**	**7,350**	**7,200,000**	**7,800**

**East African students are exempted from paying Student Pass*
*** Health insurance fee/Package applicable to referral hospital ranges from TZS 600,000.00 to TZS 2,712,000.00*

KEY
MPH= Master of Public Health; MMIM = Microbiology Immunology & Molecular Biology
EAB = Epidemiology & Applied Biostatistics; **MW=** Midwifery
CL = Clinical Research; **AN =** Anatomy.
PA = Parasitology/Entomology

(x) Fees For Master of Medicine (MMed) Programmes

(a) Fee payable to the University	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	100,000	50	-	-	-	-	-	-
Identity Card	10,000	10	-	-	-	-	-	-
Caution Money	50,000	50	-	-	-	-	-	-
TCU Quality Assurance	20,000	20	20,000	20	20,000	20	20,000	20
Student Union Fee	20,000	20	20,000	20	20,000	20	20,000	20
Tuition Fee	4,900,000	4,500	4,900,000	4,500	4,900,000	4,500	4,900,000	4,500
Examination Fee	400,000	400	400,000	400	400,000	400	400,000	400
ICT Facilitation	50,000	50	50,000	50	50,000	50	50,000	50
Facility sustainability fee	50,000	50	-	-	-	-	-	-
Graduation	-	-	-	-	-	-	100,000	100
Institutional Special School Requirements	500,000	500	500,000	500	500,000	500	500,000	500
Teaching Materials	300,000	300	300,000	300	300,000	300	300,000	300
Research supervision	-	-	-	-	300,000	300	-	-
Workshops and Local Conferences Fee	50,000	50	50,000	50	50,000	50	50,000	50
Total payable to the University	**6,450,000**	**6,000**	**6,240,00**	**5,840**	**6,540,000**	**6,140**	**6,340,000**	**5,940**

MASTER OF MEDICINE								
	Year 1		Year 2		Year 3		Year 4	
(b)Direct to Student Costs*	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
	1,200,000	1,200	1,200,000	1,200	1,200,000	1,200	1,200,000	1,200
Meals	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250	2,250,000	2,250
TCU verification fees	-	100	-	-	-	-	-	-
Book Allowance	500,000	500	500,000.00	500	500,000	500	500,000	500
Stationery	300,000	300	300,000	300	300,000	300	300,000	300
Special School Requirements	600,000	600	600,000	600	600,000	600	600,000	600
Research	-	-	4,000,000	3500	-	-	-	-
Dissertation/thesis production/Publication	-	-	-	-	500,000	500	-	-
Laptop*	1,500,000	1,200	-	-	-	-	-	-
Medical Council of Tanganyika License Fee	-	800	250,000	800	250,000	800	250,000	800
Immigration Permit**	-	250	-	250	-	250	-	250
Health Insurance***	600,000	300	600,000	300	600,000	300	600,000	300
Total Cost Payable to Students	**6,950,000**	**7,500**	**9700,000**	**9,700**	**5,600,000**	**6,700**	**5,700,000**	**6,200**

**Compulsory for all MMed students*

***East African students are exempted from paying Student Pass*

**** Health Insurance fee/Package applicable to referral hospitals ranges from TZS 600,000.00 to TZS 2,712,000.00.*

(xi) Fees for Doctor of Philosophy (PhD) Programmes

(a) Fee payable to the University	Year 1		Year 2		Year 3		Year 4	
	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)	Local (TZS)	International ($)
Registration Fee	100,000	100	-	-	-	-	-	-
Identity Card	10,000	10	-	-	-	-	-	-
Caution Money	50,000	50	-	-	-	-	-	-
Student Union	20,000	20	20,000	20	20,000	20	20,000	20
TCU Quality Assurance	20,000	20	20,000	20	20,000	20	20,000	20
Tuition Fee	6,600,000	5,500	6,600,000	5,500	6,600,000	5,500	6,600,000	5,500
Assessment/Seminars	200,000	200	200,000	200	250,000	250	250,000	250
Supervision	1,000,000	1,000	1,500,000	1,500	1,500,000	1,500	1,500,000	1,500
ICT Facilitation	100,000	100	100,000	100	100,000	100	100,000	100
Facility sustainability fee	100,000	100	-	-	-	-	-	-
Special School/Lab Requirements	200,000	200	200,000	200	200,000	200	200,000	200
Thesis Defence	-	-	-	-	-	-	600,000	600
Graduation	-	-	-	-	-	-	200,000	200
Total payable to the University	**8,400,000**	**7,300**	**8,640,000**	**7,540**	**8,690,000**	**7,590**	**9,490,000**	**8,390**

DOCTOR OF PHILOSOPHY								
(b) Direct to Student Costs	**Year 1**		**Year 2**		**Year 3**		**Year 4**	
	Local (TZS)	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**	**Local (TZS)**	**International ($)**
Stipend	4,050,000	1,929	4,050,000	1,929	4,050,000	1,929	4,050,000	1,929
Stationery	100,000	48	100,000	48	100,000	48	100,000	48
Research/Thesis*	5,000,000	3,000	20,000,000	7,143	15,000,000	7,143	10,000,000	7,143
TCU verification fees	-	100	-	-	-	-	-	-
Health Insurance**	600,000	300	600,000	300	600,000	300	600,000	300
Students Permit***	-	250	-	250	-	250	-	250
Laptop****	2,000,000	1,300	-	-	-	-	-	-
Total Payable to Students	**11,750,000**	**6,927**	**24,750,000**	**9,670**	**19,750,000**	**9,670**	**14,750,000**	**9,670**

** This depends on the nature of a research work. It usually ranges between **TZS 15,000,000** for public health related research to over **TZS 50,000,000** for lab-based research work. The actual cost is determined during the development of a research proposal*

*** East African students are exempted from paying Student Pass*

**** Health Insurance fee/Package applicable to referral hospitals ranges from TZS 600,000.00 to TZS 2,712,000.00.*

****Compulsory for all PhD students.*

4.0 EXAMINATION REGULATIONS

The Deputy Vice Chancellor for Academic, Research and Consultancy (DVC - ARC) controls examinations regulations. Invigilators drawn from the academic staff appointed by the respective Schools supervise University examinations.

4.1 Glossary of Terms

For the purposes of these Regulations unless the context requires otherwise: -

"AI" means Artificial Intelligence, including but not limited to machine learning systems, natural language processing tools, and automated content generation systems.

"Academic year" means a period corresponding to a year in an academic institution normally composed of two semesters.

"Assessment" means a broad, ongoing process of gathering information about learning (using quizzes, projects, observations, etc.), to gather information about a learner's progress, skills, and understanding.

"Cheating in examination" means any form or kind of dishonesty or destruction or falsification of any evidence of irregularity.

"Continuous Assessment" means an evaluation of student's learning progress regularly throughout a course, using various methods like quizzes, projects, and participation, instead of relying on a single final exam, to provide ongoing feedback for improvement and a comprehensive view of performance. This approach combines *formative (learning support)* and *summative*

(grading) elements, aiming to foster consistent work and identify knowledge gaps early, and can be combine with other Summative Assessments.

"Course" means that part of a subject described by a coherent syllabus and taught over a specified period which may be designated as one or more units of study in a programme, with define learning outcomes *(Course Learning Outcomes – CLOs).* A credit of study shall depend on the requirements of the course concerned.

"Credits" also known as credit hours are a standardized way of measuring the academic work a student completes. Each course is assigned a certain number of credits based on classroom lectures, laboratory sessions, or practical activities, as well as the expected independent study outside of class. One credit is equal to ten (10) notional hours.

"Direct Observation of Procedural Skills (DOPS)" means a workplace-based assessment tool to evaluate trainees performing practical tasks, like injections, clinical examinations, practical procedures, by having an experienced supervisor watch them, offer immediate structured feedback, and assess their competence in a real-world setting. It's a key part of undergraduate and postgraduate health professions clinical/practical students for providing developmental feedback and documenting learning, ensuring trainees can confidently handle procedures before independent practice.

"Examination" means a formal, structured test to measure knowledge or competence, often at the end of a defined period using written or oral formal evaluation of theoretical or practical knowledge acquired by the candidate. End of semester tests, end of year tests are some examinations most conducted.

“Formative assessments” means a low stake **assessment for learning** employed while learning is ongoing to collect information on whether course learning outcomes are being advanced and how teaching and learning can be improved. It identifies strengths, challenges, and misconceptions and evaluate how to close those gaps. They may involve students assessing themselves, peers, or even the instructor through writing, quizzes, conversation, and more. By measuring student understanding throughout a course, formative assessments enable students to reflect on how they can improve their own learning.

"GPA" means Grade Point Average calculated on a scale of 0.0 to 5.0.

“Higher doctorate” means a prestigious research-based doctoral degree awarded in recognition of a candidate's substantial, original, and distinguished contributions to knowledge, typically demonstrated through a body of previously published work. At KCMC University, this includes the Doctor of Literature in the School of Public Health, the Doctor of Science in the Schools of Medicine, Nursing, Public Health, and Rehabilitation Medicine, granted to recognize a seasoned academic's lifetime of scholarly achievement.

“Honorary degree” means an academic award given by this university, for which KCMC University has waived the usual academic requirements to acknowledge individuals who have made outstanding contributions to society, a specific academic field, business, or public service.

“**Module”** means a self-contained block of learning with defined learning outcomes *(Module Learning Outcomes–MLO*), teaching and learning activities, and assessment tasks, which is assigned a specific credit value, and forms part of a course.

“Objective Structured Clinical Examination (OSCE)” means a standardized, multi-station assessment in health professions’ education testing clinical skills, knowledge, and attitudes through timed tasks with standardized patients or scenarios, ensuring objective assessment via checklists for areas like history-taking, procedures, data interpretation, and communication, making it a reliable method to evaluate readiness for practice.

“Objective Structured Practical Examination (OSPE)” means a standardized method for assessing practical skills in practical based medical and health sciences, where students rotate through various practical stations, each testing specific competencies objectively against set criteria, offering reliable **formative** or **summative** evaluation superior to traditional methods by covering learning outcomes comprehensively and reducing examiner bias.

"Postgraduate Student" means a person registered for a postgraduate diploma, master's degree, or doctoral degree at the University.

“Programme” means a **c**urriculum of studies that leads to some form of recognition through an academic, technical, or professional award in a discipline, and is composed of courses, with specified learning outcome (Programme Learning Outcomes–PLOs) and a defined number of minimum credits.

“Regular University Examinations” means scheduled examinations at the end of each semester of the academic year, each clinical rotation or as may be determined by the Senate. A credit of study will depend on the requirements of the course concerned.

"Senate" means the Senate of KCMC University as established under the University Charter and Rules, the supreme academic organ at the university level.

“Special examinations” are examinations, after approval by the University Senate and the Senate, that are administered to candidates who fail to sit for regular examinations for reasons acceptable to the Academic Committee and the Senate.

through measurable outcomes and promotion to a high level or graduation.

“Statute of limitation” means a legal setting a maximum time limit for initiating legal proceedings (like filing an appeal or pressing charges) from the date an unfair treatment such as unfair rustication, examination marking, or injury occurred, ensuring timely claims, preserving evidence, and providing complainant closure, within a reasonable time frame for an academic decision and continuation with studies. Once the time expires, which for this case is set at six (6) months, the appeal becomes "time-barred" and shall typically be dismissed.

“Special examinations” means examinations, which, after approval by the University Senate, are administered to candidates who fail to sit for regular examinations for reasons acceptable to the Senate.

“Summative Assessment (SA)” means a high-stake *assessment of learning* used to evaluate student learning, knowledge, proficiency, or success at the conclusion of an instructional period, such as a module, course, semester, year, or programme. SAs are almost always formally graded and often weighted. SA take the form of examinations, written papers, presentations, or final projects. The assessments “sum up” student learning.

"Supervisor" means a member of academic staff appointed to guide a student's research work.

“Supplementary examinations” means examinations which, subject to approval by the University Senate, are administered to candidates who fail to obtain a pass in a specified number of units, modules, courses, or fail to attain a set GPA in the modules or courses during the academic year.

“University” means KCMC University.

“University Examinations” means all Summative Assessments (SA) or evaluations that determine whether a student shall proceed to the next level of study, or the next year of study in the University, or qualify for an award and graduate.

“Unauthorized absence from examination” means going out of the examination room, temporarily or otherwise, or staying out of the examination room for an unduly long period, without authorization or permission of the invigilator or one of the invigilators for the examination in question.

“Unauthorized material” means materials such as, but not limited to, any written, printed material or electronic gadget such as cellular or mobile phones, radios, radio cassette or other types of cassette players, computers, word or data processing digital instruments, soft and alcoholic drinks and any other material as may be specified from time to time by the DVC - ARC, the Dean of a School, Director of an Academic Institute or a Head of an Academic Department.

“Unprofessional conduct” means any action or behaviour by a healthcare professional or health care profession student including that falls below established ethical, legal, or professional standards, compromising patient care, patient’s

safety, or trust, and including bullying, fraud, breaches of confidentiality, negligence, poor communication, discrimination, occasioning costs unto the patient through negligence or deliberately, and practicing without proper qualifications or licenses; often leading to disciplinary action, usually summary dismissal from studies or duty, and reference to the relevant professional Council or relevant Professional Board.

4.2 Responsibilities

(i) All matters concerning University Assessment shall be supervised by the DVC - ARC under the general direction of the Vice Chancellor.
(ii) The University Senate shall have authority in all matters affecting assessment/examinations, including the setting, conducting, marking and declaration of results at the University level.
(iii) The University Senate shall have overall authority in all matters affecting assessments/examinations at the University level and the Senate's decision in assessments/examination matters shall be final.

4.3 Exemptions

(i) The University Senate, and under special circumstances, may grant the school exemption from any of the requirements of these regulations.
(ii) The University Senate under special circumstances, may grant any student(s) exemption from any of the requirements of these regulations.

4.4 General University Assessment/Examination Regulations

4.4.1 Registration Regulations

(i) Registration and payment to the University of all required

or prescribed fees by a candidate for a course of study shall be deemed as adequate registration for the requisite examinations in the course of study.

(ii) All full-time students shall register at the beginning of each semester. Payment of the required University fees is mandatory for the student to be registered and shall be made within the first two weeks after commencement of each Semester for both incoming first year and continuing students.

(iii) Subject to approval by the Senate, the Board of each School and academic Institute's Board shall make such internal examination regulations that are necessary for the proper registration, conduct, management and administration of examinations in accordance with the specific requirements of a particular degree, diploma or other awards of the school or academic Institute, as the case may be.

4.4.2 Regulations for students' professional conduct

(i) Every student shall be required to behave professionally and pass Professionalism and Ethics in Health science modules as offered in the respective programs and pass the professionalism competency domains as assessed in the various modules, courses or rotations in the program.

(ii) Professionalism shall also include attention to the patient, appropriate patient care, observing limits of authority and competence, upholding of ethical behaviour while handling patients, ensuring the care process does not cause extra or undue burden and financial cost to the patient or relatives, altruism and compliance to the approved Teaching Hospital and the University dress code.

(iii) The following four principles shall be used to assess professionalism: -

Excellence	Knowledge, Skills, Commitment to exceed above ordinary standards. Attendance and active participation in formal learning sessions
Humanism	Respect of Seniors, Academia, Peers, and Ancillary Staff; Compassion, Empathy, Honesty and Integrity for the patient.
Accountability	Response to the needs of patients, Health care system, Regulations, Community and the Profession, beyond the call of duty.
Altruism	Best interest of patient, Patient needs being above one's own interest.

(iv) *Any student whose conduct is judged to be grossly unprofessional or lacks professionalism at any time and conducting himself against the prescriptions of sub-regulation (ii) above among others, shall be discontinued from studies by the disciplinary authority without* ***any further enquiry****. Grossly unprofessional behaviours include Mishandling of patients and any form, corruptions, practicing without license, using another person's license to practice, falsification of patient's, any form of Malpractice and referring patients to be treated in individual private hospitals for financial or any other gains and motives.*

(v) A student whose *performance in professionalism* is unsatisfactory after assessment shall be called for mentoring and remediation by a school committee appointed by the Head of the relevant Department during the course and at the end of the semester.

(vi) Failure to improve after such mentoring and remediation meetings, at the end of the semester, shall necessitate an intervention by an academic committee appointed by the

Dean/ Director of the respective School/Institute, comprising of at least three (3) but not more than five (5) Senior academic staff, to discuss the poor performance and unprofessional conduct with the candidate, warn him/ her and inform of consequences of not improving in professionalism.

(vii) If there is no improvement achieved in performance, professional attitude and ethical conduct after the warning, by the academic committee and the candidate's professional behaviour and performance in professionalism and ethics continues to be rated as unsatisfactory, shall be recommended for discontinuation from studies by Senate through the School/Institute Board at any point during the study period.

4.4.3 General Eligibility for Assessments/Examinations

(i) The Dean of a School or the Director of an Academic Institute may bar any candidate from being admitted to any examination in any subject or course where the Dean or Director is not satisfied that the candidate has completed satisfactorily by attendance and otherwise the requirements of the module, course/rotation or programmed.

(ii) Notwithstanding the generality of sub-regulation (i) above, a student who misses **10%** or more of the teaching time per course module/modular course, course or semester shall be barred from sitting for the respective examination until he has covered the missed content in a time to be arranged between the student, the department and the respective school *(See also Regulation 4.4.7 (iv)).*

(iii) Where a candidate barred in accordance with *Regulation 4.4.3, Sub-Regulations (i) and (ii)* enters the examination room and sits for the paper, his/her results in the paper shall be declared null and void.

(iv) A candidate whose work or progress is considered

unsatisfactory may be required by the Senate on the recommendation of the School Board or Institute Board to withdraw from the University or to repeat any part of the course before admission to an examination.

(v) Candidates with unpaid tuition fees and all other prescribed fees shall not be allowed to sit for examination.

(vi) Candidates who fail to sign the HESLB Pay Sheets or Fail to clear their portions of fees, shall not be allowed to sit for University Examinations.

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

4.4.4 The Board of Examiners

(i) University Assessments/Examinations shall be conducted by a Board of Examiners which shall consist of one or more examiners appointed from outside the Examination Unit, in conjunction with one or more of the teachers of the candidates **in the courses** under examination.

(ii) An exception to *Regulation 4.4.4, Sub-regulation (i)* above is in the case of the re-examination of candidates who have failed in the ordinary University examination, when all the examiners may be appointed from within the University, provided that at least one of them **had no part in teaching the courses under examination** *(Internal Moderators)*.

(iii) Notwithstanding the provisions of *Regulation **4.4.4** Sub-regulations (i) and (ii)* above, University examinations conducted during and/or at the end of the *module* or *semester* may be conducted by internal examiners/moderators only, provided that the results of such examinations shall be published in terms of Regulations **4.48** and **4.11.4**, at the end of each Semester.

(iv) External Examiners shall be entitled to such honoraria, as the Council may approve.

4.4.5 Methods of Assessment/Examinations

(i) Examinations or Assessment in the University shall be conducted using a combination of any of the following methods, depending on the specific requirements of the **course learning outcomes**, year of study, the programme and in accordance with the Examination schedule: -

(a) **Written Examination** [(Multiple Choice Questions (MCQs, Essay Questions) (online or paper)].

(b) **Oral/Vivas:** Direct questioning of clinical reasoning.

(c) **Objective Structured Clinical Examination (OSCE)/ Objective Structured Practical Examination (OSPE):** A multi-station exam where students perform specific clinical tasks.

(d) **Mini-Clinical Evaluation Exercise (Mini-CEX):** A faculty member observes a student-patient interaction (15–20 minutes) and provides immediate feedback

(e) **Directly Observed Procedural Skills (DOPS):** Direct assessment of a student's **technical competence** in a specific procedure.

(f) **Direct Observation and rating:** General method where a supervisor watches a learner perform clinical tasks.

(g) **Case-Based Discussion (CbD)** or **Chart Stimulated Recall.**

(h) **Direct Observation and rating:** General method where a supervisor watches a learner perform clinical tasks.

(i) **Multisource Feedback (MSF) / 360-Degree Evaluation:** Feedback from a variety of sources, including peers, nurses, patients, and administrative staff.

(j) **Low/High-Fidelity Simulation/Virtual Reality:** Use of low or high-fidelity mannequins or standardized patients to test skills in a controlled environment

(k) **Portfolios:** Longitudinal, collection of evidence, reflecting on practice.

(ii) In any examination a candidate may, at the discretion of the Board of Examiners, be required to attend an oral examination in addition to written and practical/clinical and other type of examinations depending on the appropriate method of assessment.

(iii) The percentages of the total marks awarded for written, practical/clinical and oral examinations in any course shall be approved by the Senate on the recommendations of the appropriate School or Academic Institute Board and relevant Department as described in this prospectus under each programme.

(iv) Each department shall develop tools for the methods of assessment as may be necessary and shall use multiple methods of assessment.

4.4.6 Assessment Types and Strategies

(i) The types and strategies for assessments in the university includes Formative Assessment (FA), Continuous Assessment Tests (CAT), and Summative Assessment (SA).

(ii) Students shall be given both Formative Assessments (FA) or Assessment for Learning periodically throughout the course and Summative Assessments (SA), or Assessment of Learning, after the end of a Course, Rotation, End of Semester, and End of Year Summative Assessment (EYSA).

(iii) FA shall be used to gauge the progress of the students and get information on their understanding or mastery of skills, **but shall not be part of, or scores included in,**

Continuous Assessment Tests (CAT) or SA

(iv) CATs shall form a component of, and their scores shall be included in the SA, whereby CATs shall constitute **40%** of the Final SA.

(v) The minimum number of CATs per course, per semester, or per year shall depend on the specific requirements of the course or clinical rotation concerned.

(vi) CATs shall be spread evenly throughout the teaching period for the course content, and the last one shall be administered **at least two weeks** before the beginning of the End of Semester SA (ESSA) or End of Year SA (EYSA).

(vii) CATs shall include all in-course assessments and those assessment tests conducted at the end of each course, which are not part of FA or SA.

(viii) After each CAT and FA, the course teacher shall **give feedback** to the students in a timely manner following feedback principles, before they proceed to the next stage.

(ix) Departments shall maintain a record of marks of CATs and FA, sample assignments, and question papers for future reference of performance (FA) and inclusion in the SA (CATs) and evaluation by the External Assessors/Examiners or Moderators.

(x) The CATs records shall be made available to the external assessors/examiners or moderators at the end of the audit year for evaluation.

(xi) Students are required to register when appearing for any assessment/examination, when submitting assignment workbooks, logbooks, as well as when receiving marked assignment workbooks and logbooks**.**

(xii) *Notwithstanding the above regulations, the Senate can at any time, guided by good global practices, and recommendations from departments and schools,*

change the method, type and strategy of assessment, without any further notice as it deems fit.

4.4.7 Dates of Examinations

(i) End of course or semester examinations in all Schools and Academic Institutes shall be held at a time to be determined by the Senate, which shall normally be at the end of each semester, subject to such exceptions as Senate may allow upon recommendation by a School Board, or academic Institute Board, and the Senate Undergraduate Studies Committee or Senate Postgraduate Studies Committee as the case may be.

(ii) Candidates who are referred and are required to do supplementary examinations shall be re-assessed in the referred subjects at a time to be determined by the Senate, but the Senate may delegate the relevant School/Academic Institute Board, as the case may be, to determine, which shall not be ***less than one month*** after the ordinary examinations at the end of the semester in the academic year during the long vacation.

(iii) Second supplementary examinations shall be done not less than two weeks from the date of the first supplementary examinations.

(iv) In most instances supplementary examinations shall be done during the times specified under examination regulations for the specific programmes of study.

(v) A student who, for a **genuine**, **documented and notified reason(s)**, is unable to sit for a scheduled examination may, with the approval of the Senate upon recommendation of the School or an Academic Institute Board, be permitted to sit for a special examination. The special examination may be administered during the next end-of-semester examination period or during the scheduled supplementary examination period, depending

on the timing and academic calendar.

(vi) Notwithstanding *Sub-regulations (i) to (iii)* above, it is the duty of the department to ensure that there are documented regular **FAs** and assessment of competencies using appropriate tools.

4.4.8 Regulations for Conducting Examinations

(i) The University Examinations Regulations, Guidelines for Invigilators, Terms of Reference for external examiners and general conduct of examinations shall be enforced and sent to the relevant persons through the School/Institute Board.

(ii) The final examinations are controlled by the office of the DVC - ARC, as the Principal University Examination officer and shall be scheduled during the last two weeks of each semester.

(iii) Unless the Senate directs otherwise, all courses, including any modules therein, shall be examined within the year in which they are taken.

(iv) A student shall not be allowed to sit for a University Examination in a course if he/she **has missed 10% or more** of the scheduled semester classes for a course and has not completed **all courses or modules** as per requirements of the course or programme *(see also Regulation 4.4.3 (i) and (ii)).*

(vi) The DVC - ARC shall publish a list of candidates registered for examinations, *at least, two (2) weeks before the beginning of the examinations* and shall issue each eligible candidate with a registration number.

(vii) The list prescribed in *Regulation (vi)* above shall be made available to Heads of Department at least, two (2) weeks before the beginning of the examinations.

(viii) Registration numbers *(for Regulation (vi))* may be used instead of examination numbers if directed by the DVC

- ARC.

(ix) The DVC - ARC shall appoint invigilators for each examination, examination room or examination groups as the case may apply and appoint one of them to be the Senior Invigilator.

(x) Each Senior Invigilator shall ensure that they have registration lists for candidates registered for each paper in the room in which the examination is taken place.

(xi) For undergraduate programmes, final examinations account for 50% *(more than 50% in some practical/clinical courses or programmes)* of the final course grade, and the rest from CATs (Not from FA).

(xii) For postgraduate programmes: MPH, MSc–EAB, MSc–CR, MSc–MIM and all other MSc programmes, except MSc–MEHP, the final examinations shall constitute **60%** of the final course grade.

(xiii) For the MSc–MEHP and **all MMed programmes** the final examination shall constitute **50%.**

(xiv) Coursework grades *shall be provided to the student* by the respective course coordinator, and the Head of Department, under the general guidance by the respective School Dean *at least two (2) weeks before the end of semester examinations*.

(xv) A student who finds that the declared grades do not match with the scores on his/her assignment/tests, examinations, logbooks, or any other report in a course, shall immediately report to the respective course coordinator and Head of relevant Department immediately and before the end of course or semester examinations starts. The course instructor under general supervision by the Head of Department shall then submit the student grades to the School Dean for recording any approved changes.

(xvi) Through the DVC – ARC, the Senate shall bar any

student from being admitted to any examination in any subject or course or module where there is evidence that the student has **NOT satisfactorily completed, by attendance or otherwise, the requirements of the subject or course** *(See Sub-Regulation (iv) above, and also 4.4.3((i) and (ii)) and 4.4.7(iv)).*

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

(xviii) Where the prospectus Regulations and the Regulations in the Programmes collide, **the prospectus Regulations shall prevail**.

(xix) A candidate who fails to appear for an examination(s) shall be deemed to have absconded that examination(s).

(xx) It is the duty of the Department, School and student to read and be conversant with General and specific Examination Regulations and Guidelines. Ignorance shall not be entertained.

4.4.9 Publication of Results

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

(ii) Examination results, having been recommended by the School or an Academic Institute Board to the Senate Undergraduate Studies Committee (SUSC) or the Senate Postgraduate Studies Committee (SPSC) as the case may be, the Committee shall make recommendations on the results and submit them to Senate for approval and

publication.

(iii) The Senate shall confirm the results of examinations for both Semesters at a time to be determined by the Secretary of the Senate, which shall normally be at the end of the Second Semester of each audit year.

4.5 General Examination Regulations for Programmes

4.5.1 Academic integrity

KCMC 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 from each student as follows: -

(i) All members of the academic community are expected to respect the highest standards of academic integrity and be the role models.

(ii) The University shall administer an oath of office and handling examinations to all examination officer and all ICT staff on first appointment/employment and every academic year before the first examinations for that year starts. The format of the oath shall be prescribed in the Examinations Handbook as and annex.

(iii) After taking the oath, (Section iv above) which shall be administered by a neutral attorney, the examination or ICT officer, the attorney, the witness (es) shall sign the oath as appropriate, and each officer shall keep one copy. The other copy of the Oath shall be kept in a safe under the custody of the University Lawyer. The University lawyer shall be responsible for implementation of calendar for oaths in the University.

4.5.2 Academic dishonesty

Academic dishonesty is a serious offence at the University and the University in general because it undermines the bonds of

trust and personal responsibility between and among students and staff, weakens the credibility of the academic enterprise and defrauds those who believe in the value of integrity of the degree or diploma offered by the University. To the end the following shall be observed: -

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

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

(iii) A student who commits any act that fulfils the criteria for academic dishonesty shall face disciplinary action ranging from *failure to receive credit* on an academic exercise *to dismissal* from the University.

(iv) A student who has been discontinued from the programme based *on any academic grounds* may reapply to the programme only **after two academic years** have elapsed since discontinuation.

4.5.3 Eligibility for examination in Programmes

Students shall be eligible to sit for an examination if they have fulfilled the following conditions: -

(i) A student shall have attended at least **90%** of the scheduled semester class periods for each module, or course and have completed all course requirements *[see*

Regulations 4.4.3(i) and (ii), 4.4.7 (iv), and 4.4.7 (iv)].

(ii) A students shall not have missed more than **ten (10) consecutive days** of class, regardless of percentage missed. Missing *more that 10 consecutive days* of any class shall be the student from sitting the relevant examination.

(iii) No candidate shall be allowed to sit for a paper for which the has not been registered.

(iv) To be eligible to sit for a University Examination, a student must have attempted the required number of CATs on the course being examined.

(v) A student who has not completed assigned work by the end of the semester shall not be allowed to sit for semester examinations.

(vi) A student who has not completed payments of require Tuition and any other fees, shall not be allowed to sit for examinations.

(vii) Due to extenuating circumstances, the Chairperson of the Senate, after consultation with the Secretary of the Senate and the relevant School Dean/Director of an Institute, may waive the attendance requirements, on behalf of the Senate but report to next ordinary Senate meeting for endorsement.

(viii) Where there is discrepancy between the examination eligibility regulations stated in this prospectus and those stated in the programmes, the Regulations in this prospectus shall prevail.

4.6 Instructions to Students and Invigilators

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

(ii) Candidates shall ensure that they write their registration/examination numbers, titles, and the paper number on the answer books, including the continuation

sheets.

(iii) Registration Numbers shall be issued and verified by the Deputy Vice Chancellor for Academic Affairs.

(iv) Registration Numbers shall be serialized in the following format: e.g., KCMC University/MD.2010/2011/TZ/0123.

(v) At all times during the examination, the registration numbers should be conspicuously placed on the desks.

(vi) Candidates without registration numbers authorizing them to sit for the examination shall not be allowed to sit for the examinations.

(vii) 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.

(viii) No student shall 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.

(ix) Misreading the examination timetable shall not be regarded as 'sufficient cause' for missing an examination.

(x) 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.

(xi) Invigilators shall have power to confiscate any

unauthorized materials or aid brought into the examination room.

(xii) Invigilators shall have power to expel from the examination room any student who creates a disturbance in the examination room.

(xiii) 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.

(xiv) 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 Vice Chancellor for Academic, Research and Consultancy at the earliest possible moment before the start of the scheduled examination.

(xv) These instructions shall remain in force unless amended by the Senate upon recommendations of the School/Institute Board, through the relevant Senate Committee.

4.7 Regulations for Invigilation of Examinations.

(i) University examinations shall be conducted under the control of the DVC - ARC, who is the Chief Examination officer of the University, or such other officer of the University as the DVC - ARC may appoint and delegate.

(ii) The DVC - ARC shall issue instructions, guidelines to students, invigilators, and examiners of University examinations, as he/she shall deem appropriate for the proper, efficient, and effective conduct of such examinations.

(iii) Invigilators who must be members of academic staff *(NOT Administrative Officers, technicians or Secretaries),* shall be appointed and briefed by the Head

of Department who is the Chief Internal Examiner in the Department; and the names communicated to the Examinations Office and the and the DVC – ARC for central appointment as university examiners for the relevant examination period.

(iv) The internal Examiner for any examination paper shall normally be one of the invigilators.

(v) Names of invigilators for various examinations shall be listed in the examination's timetables, shall be sent to the DVC - ARC one month before the start of the examinations.

(vi) At least two (2) invigilators shall be allocated to each examination room and *at least one (1) must be in the examination room throughout examination time.*

(vii) The DVC - ARC shall appoint one of the Senior Invigilators to coordinate invigilation in each examination room where several examinations are taking place.

(viii) Instructions to candidates and invigilators shall be published at the end of each semester by the DVC - ARC, setting out details of procedures to be followed in the conduct of examinations.

(ix) During examination, the responsible department for the examination shall send one dully informed academic staff to make clarification of issues which may not be clear to students and invigilators.

(x) The Senior Invigilator shall call the Head of the concerned department to appoint and send the academic staff in (ix above) in case the department did not spontaneously observe this regulation.

(xi) The Chief Invigilator shall collect all examination papers and related materials from the Examination's Office, LATEST half an hour before the start of all respective examinations.

(xii) The Chief Invigilator shall ensure that all examinations start and end on time.

(xiii) 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.

(xiv) Invigilators shall remain in the examination room throughout the examination duration, and at no time shall the room be left without an invigilator.

(xv) 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.

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

(xvii) 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.

4.8 Regulations for Irregularities in Examinations

Inappropriate conduct by a student concerning an examination impairs academic integrity and shall subject the offending student to suspension or expulsion. Such examination irregularities can include, but are not limited to: -

(i) Un-authorized material (for example purses, electronic equipment such as cell phones, tablets, computers, pagers, papers, textbooks). Unauthorised materials shall not be allowed into examination premises.

(ii) Reading other candidates' answer scripts.

(iii) Attempting to copy or referring to the unauthorized materials in the examination room.

(iv) Communicating with other students, either verbally or through other means, during the examination without

permission from the invigilator.

(v) Permitting another candidate to copy from someone's paper.

(vi) Impersonation or endeavouring to obtain assistance from any other candidate directly or indirectly or endeavouring to assist any other student.

(vii) Removing examination answer books/sheets from the examination room.

(viii) Starting to attempt the examination before being authorized to do so.

(ix) Continuing the examination after being ordered to stop.

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

(xi) Destroying or attempting to destroy evidence relating to any suspected irregularity.

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

(xiii) Plagiarism and reproducing the works of another person or persons in coursework assignments without acknowledgement and with the intent to deceive.

(xiv) Exchange of any material without permission from the invigilator or one student assisting another student.

(xv) Procedural violation by not following the invigilator's instructions, opening the paper early, and removing examination papers.

(xvi) Administrative errors such as incorrect examination numbers, late submission of answer sheets (if due to the candidate fault).

(xvii) Absconding from an Examination.

4.9 Regulations for Handling Examination Irregularities -

(i) All cases of alleged examination irregularities as detailed in *Regulation 4.8* above shall be reported to the DVC –

ARC, who shall have the power to summon the students and members of staff of the University, as it deems necessary and make decisions, subject to confirmation by Senate.

(ii) Unauthorized materials include papers, written notes (on paper or on any part of the body), books, cell phones, or any other digital media, which can transmit information during examination or test, such as cell phones and the like.

(iii) Subject to confirmation by the Senate, any candidate found guilty of bringing unauthorized material into the examination room in any part of the examination process shall be deemed to have committed an examination irregularity and shall be discontinued forthwith from studies at the University.

(iv) Any candidate found guilty of cheating in relation to any part of the examination process shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.

(v) Any candidate found guilty of causing disturbance in or near any examination room shall be deemed to have committed an examination irregularity and to have failed in the whole of that examination for that year and shall be discontinued from studies at the University, subject to confirmation by Senate.

(vi) Any candidate found guilty of the commission of an examination irregularity and is aggrieved by the decision may appeal to the Senate.

(vii) In these regulations, unless otherwise directed examination irregularities shall be as defined in the glossary of terms in this prospectus and read in conjunction with *Regulation 4.8 above*.

(viii) The Senate may impose a lesser penalty on a candidate

found guilty of the commission of an examination irregularity, depending on the **gravity** of the facts or circumstances constituting the offence, as the Senate may deem appropriate, but every examination irregularity shall have a penalty.

(ix) *Only academic staff appointed as invigilators have the mandate for processing and reporting examination invigilation irregularities.*

4.9.1 Procedures for dealing with irregularities.

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

(ii) If an invigilator suspects a student has committed examination irregularities, the following steps shall be taken:

(a) The student shall be approached immediately.

(b) Any unauthorized material in the possession of the students, as well as his/her answer book and examination question paper, shall be confiscated.

(c) The invigilator *shall ensure that the incidence is witnessed by another person to verify the matter*.

(d) The invigilator shall report in writing to the DVC-ARC within 24 hours.

(e) The DVC-ARC shall require the student to submit a written statement concerning the incident within 24 hours after receiving the invigilator's report.

(f) The DVC-ARC shall set up an investigation committee, which shall complete the investigation within **two (2) weeks.**

(g) The investigation committee shall consider and take custody of all available evidence, including CCTV footage(s).

(h) The investigation committee shall submit the report

to the DVC-ARC, who shall in turn, table the matter before the Senate, which shall take appropriate action.

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

(j) An internal examiner, who, while marking examination scripts or research or assignment papers, suspects that an academic irregularity has taken place, shall report in writing the matter to the DVC-ARC, through the respective School Dean.

(k) The DVC-ARC shall follow the procedures *(e) to (g) above.*

(l) If it is established that the student committed an examination irregularity, he or she shall be ***expelled from the University forthwith***.

4.10 Setting of Examinations and Moderation

(i) Regular University Examination papers, Supplementary and Special Examination papers shall be set simultaneously.

(i) Examination papers shall be internally moderated by the Departmental/School Moderation Committee, and the moderated examination *shall bear the signatures of all those involved*. The moderated papers shall be sent to the appointed *External Examiners* or *Internal Moderators,* who shall moderate the examination papers before the Examination starts and send them back.

(ii) The moderated and sealed examination paper shall be sent to the *DVC - ARC and/or the Examination Officer* for safekeeping before the start of the examinations.

(iii) Strict precautions shall be taken to ensure that there are no examination leakages, and the University Examination Officer and his/her subordinates shall be vetted and take an oath administered by an Attorney from outside the University, each year.

(iv) **No secretaries or other secretarial staff, including administrators shall be allowed to handle examinations**.

(v) The Head of Department shall be accountable for any leakages which occur at the Departmental level.

4.10.1 Special Examinations

(i) A special examination is an examination taken at a time other than the regular examination period as the result of extenuating circumstances.

(ii) A student may, for reasons such as sickness another unavoidable circumstances, be allowed to postpone sitting for an examination, *provided he or she reports the matter in writing*, before the examination to the DVC-ARC, through the Head of the relevant Department, the Director of Student Services (DSS) and the Dean of School.

(iii) Such a report shall be accompanied by **authentic supporting documents**.

(iv) Except for emergency cases such requests must be submitted to the office of the DVC - ARC at **least 48 hours** before a given examination is due to start.

(v) A student shall be deemed to be eligible for special examinations *after receiving a letter* of authorization to take special examinations from the DVC-ARC.

(vi) Special examinations shall be conducted at such time, coincident with supplementary examinations.

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

4.10.2 Supplementary Examinations

(i) A supplementary examination is one that is taken by a student after he/she fails a paper in a regular or in a special examination.

(ii) 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/courses.
(iii) The supplementary examination must be taken only in the failed courses(s).
(iv) Supplementary examinations shall be conducted at a convenient time determined by the Senate within the concerned academic year.
(v) For undergraduate programmes, the pass mark for supplementary examination is a **"C"** irrespective of the score.
(vi) For postgraduate programmes, a student who passes a supplementary examination at any level shall be awarded a "**B" grade (60%).**
(vii) A supplementary examination paper fee of **TZS 20,000** must be paid for each supplementary examination paper provided to a student.
(viii) The fee must be paid in advance to the finance department to cover the University's expenses of providing a supplementary examination.

4.10.3 Postponement and Freezing of Studies

(i) A student may, in extenuating circumstances postpone/freeze studies.
(ii) For an undergraduate student who for reasons stated above is compelled to postpone/freeze studies, he/she shall request to do so **in writing,** to *the Chairperson of the Senate* through the Head of the relevant Department, the Dean of the relevant School, the SUSC, and the DVC-ARC.
(iii) Postgraduate students shall request to postpone or freeze studies **in writing** through the relevant Department, School Dean or Academic Institute Director, as the case may be, the Director of Postgraduate Studies (DPS), who shall table the matter in the Senate Postgraduate Studies

Committee, chaired by DVC-ARC, before recommending to the Senate for Approval.

(iv) Any urgent matter can be recommended to the Chairperson of the Senate by the Chairpersons on behalf of the School/Institute Board, through the Chairperson of SUSC or SPSC, provided that it shall be tabled in the next ordinary, School Board, SUSC, SPSC and Senate meetings for endorsement**. It is only the Senate which has approval authority.**

(v) Request to postpone or Freeze studies shall be accompanied by *authentic supporting documents*, clearly describing, and showing evidence of the extenuating circumstances warranting Postponement or Freezing of studies.

(vi) A student may be allowed to postpone or freeze studies for a reason which in the opinion of the Senate is strong enough to prevent her/him from pursuing studies effectively.

(vii) No student shall postpone studies without written permission from the DVC-ARC after the matter has been ***decided by the Senate or the Chairperson of Senate***, on its behalf.

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

(ix) Notwithstanding the provision of section (viii) above, 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.

(x) The period of postponement shall not be counted towards the students' maximum tenure of registration.

(xi) A student may also be allowed to postpone studies for failure to pay student fees, deposits, and charges; and on grounds of ill health provided a competent medical practitioner has recommended the postponement/freezing

and approved by the University.

(xii) 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.

(xiii) 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.

4.10 Leakage of Examinations

Leakage of examination for the purpose of these Regulations is defined as 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.

4.10.1 Procedure for dealing with Examinations Leakage.

(i) Any person suspecting leakage of a test or examination shall immediately report to the Deputy Vice Chancellor for Academic, Research and Consultancy (DVC-ARC).

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

(iii) The DVC-ARC shall set up by a committee to investigate the circumstances surrounding the suspected leakage.

(iv) Upon appointment, the committee shall investigate and submit its findings to the DVC-ARC, who shall in turn table them before the Senate for appropriate action(s).

(v) Where it is established that an examination leakage has taken place appropriate disciplinary action shall be taken against those found responsible for the leakage, including expulsion from studies for the student(s) and summary

dismissal for staff involved in the leakage.

4.11 Appointment of Examiners or Moderators

The main purpose of inviting examiners from outside the institution or department is to upraise the whole process of assessment including the examinations and make sure they meet the required quality and minimum standards. Their role is not to actively mark examinations. Appointment of External Examiners (External Moderators) and Internal Moderators shall be done by the Senate on the recommendation of the School/ Academic Institute Board through the SUSC or through the SPSC. In appointing Internal Examiners, External Examiners and Moderators, Departments Committees, School/Institute Boards, and/or SUSC and shall adhere to the following Regulations: -

(i) 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.

(ii) An *External Examiner* is an academic staff at the level of Senior lecturer and above, with at least **three** (3) publications during the past three years from another University Institution within or outside the country.

(iii) Where the Department and the School/Institute fail to get an *External Examiner*, they can select an *Internal Moderator* from another related department and who has not participated in teaching the subject.

(iv) The procedures for appointing, functions and responsibilities of moderators shall be like those of *External Examiners.*

(v) External Examiners must be: -
   (a) Senior University Faculty of the rank of Senior Lecturer and above.
   (b) From another University within or outside Tanzania
   (c) Expert in the course/subject to be examined.

(d) Active researchers, with at least 3 publications within the last three years.

(vi) The tenure of appointed External Examiners shall be three consecutive years. Renewal may be done three years later after the last period of serving as an External examiner at the University.

(vii) Departments shall ensure that External Examiners' assessment of students in their courses is done at least once in an audit year.

(viii) If the current External Examiners is being invited for the last time, departments and Schools shall start searching for new External Examiners to ensure their appointment within the first month of the following academic year.

(ix) 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 (4) years.**

(x) Appointment of Moderators internal to the university shall only be considered when external examiners cannot be engaged for valid reasons.

(xi) *Moderators shall be: -*

(a) Senior University Faculty of the rank of Senior Lecturer and above.

(b) External to the Department and must not have taught the course or subject being examined.

(c) Preferably an expert in the course/subject to be examined OR a related course.

(d) Active researchers, with at least 3 publications within the last three years.

(xii) The guidelines for external examiners and moderators shall be the same provided by the DVC-ARC and appended to the appointing letter.

(xiii) After completion of their assessment, the external examiners and moderators shall immediately forward their reports to the DVC-ARC and copies to the Vice

Chancellor and Dean/Director of the Institute under confidential cover.

(xiv) The Dean of the School or Director of the Institute shall then direct the respective department to discuss the report and provide reactions to the comments made for both undergraduates and postgraduates.

4.12 Functions of External Examiners

(i) To Examine the Quality of Examination Papers to read and grade research papers/reports/dissertations/theses.
(ii) Attend Examiners Board Meeting.
(iii) Assess the course content and the programme to determine the scope, depth and breadth and national, regional, and global comparability.
(iv) To participate in, and grade Oral examination (viva voce) and Oral Defence of dissertations.
(v) Submit a report on the examination to the DVC-ARC

4.13 Marking and Moderation of Examinations

(i) The internal examiners shall be required to prepare a proper marking scheme to cover all questions in the paper.
(ii) The Head of Department, as the chief Internal Examiner, shall ensure harmonization of marking between internal Examiners.
(iii) External Examiners shall review any script to ensure consistency in marking.
(iv) 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.
(v) All Internal Examiners, though their coordinators are required to submit aggregate results, from scripts, projects and assessment materials and records (Scripts logbooks etc.) to the head of departments at least **24 hours** before

viva voce examinations are conducted.

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

(vii) 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.

(viii) Notwithstanding the aforesaid, the External Examiners/Internal Moderators shall normally be expected to review extreme cases papers.

4.1.4 Processing of Examination Results

4.14.1 Processing by Departments

(i) A meeting of the Departmental Board of Examiners shall consider the result and make recommendations to the School Board of Examiners.

(ii) The External Examiners shall be expected to attend the Departmental Board of Examiners Meeting.

(iii) The External Examiner shall provide a general overview examination quality and performance.

(iv) The final mark in any subject/course/module shall be derived from CAT and the End of Semester (ESE) or End of Course (ECE) Examinations. The Combined CAT and ESE or ECE shall be the Summative Assessment (SA) for the Semester or Year, as the case may be.

(v) Unless otherwise approved by the Senate, each course/module shall be graded out of a maximum of 100 marks.

(vi) The weighting of CAT, as approved by the Senate, may vary depending on the nature of the course.

(vii) The pass mark as approved by the Senate shall vary

depending on the nature of the course in question.

4.14.2 Processing by the School Board of Examiners

(i) A meeting of School/Institute Board of Examiners shall be convened to consider the results and recommendations from the departmental Committee of Examiners and to make recommendations to Senate (or SUSC when established for Undergraduates) or SPSC (Postgraduates) which shall send its recommendations to the Senate.

(ii) The External Examiners shall be expected to attend the School/Institute Board of Examiners.

(iii) All documents tabled during the School/Institute Board of examiners meetings shall be reclaimed from members of the Board at the end of the meeting.

(iv) Members of the School/Institute of Board of Examiners shall not divulge marks, or any of the Board's deliberations to any student or any other unauthorized persons.

(v) After the School Board of Examiners Meeting, the Dean of the School shall recommend Postgraduate Results to the SPSC and at the same time consult the Examinations officer, the DVC-ARC, and the Chairperson of the Senate to discuss pertinent issues and performance; after which if satisfied the Chairperson of the Senate shall allow the Dean of School to publish *undergraduate provisional results.*

(vi) Upon receipt of results from the School Deans, the Director of Postgraduate Studies (DPS) shall in consultation with the Chairperson, call a Meeting of the Senate Postgraduate Studies Committee (SPSC), which shall discuss and recommend the postgraduate results to Senate.

(vii) While waiting for the Senate meeting to be convened, the DPS shall consult the University Examination Officer and the Chairperson of the Senate; to discuss postgraduate

students' performance; and if satisfied allow the DPS to publish the ESE or ECE *postgraduates provisional results*.

(viii) After publication of results the School Board of Examiners (or SUSC when appointed) and the SPSC shall forward the provisional results and recommendations to the Committee of Deans and Directors (CDD for Examinations) meeting, which shall recommend the results to the Senate for approval.

4.14.3 Processing by the University Senate

(i) All examination results shall be presented to Senate after the School/Institute Board of Examiners, (SUSC when appointed), SPSC and CDD for Examinations Meetings' recommendations.

(ii) All examination results are not official until approved by the Senate.

(iii) The Senate may accept, reject, vary, or modify results and or recommendations from the School/Institutes Boards of Examiners/SPSC.

(iv) *No individual, a department or a school/institute, Senate committee has the authority to alter examination marks/results once the Senate has approved*.

(v) *No individual, a department or a school/institute, senate committee has the authority to alter any senate decision once approved, but only the Senate, or the Chairman after being well informed, of its behalf, and the matter presented to the next ordinary Senate for endorsement.*

(vi) The results for passing candidates shall be released in transcript form indicating letter grading the GP and GPA, as the case may be, in accordance with the grading system shown above in ***Regulations 4.13 and 4.18***.

(vii) The transcript of results shall include **all fully coded** courses in every semester including the course codes.

(viii) Lost transcripts shall be replaced at a fee of **TZS 80,000/=**.

4.14.4 Publication and Release of Examination Results

(i) The final results of all students in every final examination shall be subject to review by the School/Institute Board of Examiners, and SPSC upon which the Dean and DPS shall release (DPS) *provisional results* pending Senate approval *(See Regulation 4.11.2 above).*

(ii) The public results shall be published showing only the student examination number (for identification) and the letter grade obtained in the subjects and the School/Institute reaccommodation for only failing students

(iii) Disclosure of the examination results shall be made by the Senate not later than three weeks after the end of the examinations.

(iv) The results to individual students via OSIM portal after Senate approval shall be showing all details of the subject passed and the letter grades obtained in the subjects including the Senate decision.

(v) The DVC – ARC shall maintain comprehensive records of the results and correct minutes of the Senate approval meetings.

4.15 Regulations for Undergraduates Progression

(i) Final decision and disposal of students shall be done at the end of semester two **(2)** of the academic year in each undergraduate programme and courses.

(ii) Professional conduct, logbook, field work attachment report, practical reports, and research report assessment, as the case may be, shall also determine whether a student shall proceed to the subsequent year of study or graduate.

(iii) A student passing in all prescribed year courses shall proceed to the subsequent year of study or graduate.

(iv) Undergraduate students in the biomedical sciences phase of training shall be required to attain a minimum GPA of

2.0 at the end of audit year to proceeding to the next year of study. A student whose **GPA falls below 2.0 during biomedical sciences phase** shall be discontinued from the programme. This requirement shall cease to apply once a student has formally progressed to the clinical or practical/clinical (professional) of training.

(v) A student who passes the examination with a **C** grade or higher shall be declared to have passed the examination.

(vi) A student who fails in one or more courses in a semester shall be allowed to sit for the first supplementary examination in the failed course(s) during the long vacation.

(vii) Notwithstanding sub-regulation (iv) above, a candidate may be permitted to sit for *a second supplementary* examination in failed course(s), provided that he or she has attained a cumulative **GPA of 2.0** or above *(either before or after the first supplementary examination)*, when the course(s) are next offered. *There shall be not more than one supplementary examination in any Semester/academic year.*

(viii) A student who fails the second supplementary examination and is still doing the biomedical sciences shall be discontinued from studies unless there are valid reasons as recommended by the School/Institute Board/SUSC and approved by the Senate [*See sub-regulation (x)].*

(ix) Beyond the thresholds given in *Sub-regulation (viii)* above, the candidate shall be allowed carry-over and do supplementary examinations *when next offered* provided that the maximum tenure of registration in the programme is not exceeded [*See sub-regulation (x)]*.

(x) For the avoidance of doubt, the maximum tenure of registration a two-year *(4 semesters programmes)* undergraduate and postgraduates is ***three years (6 semesters, except for MSc by Research which can go up to four years or 8 semesters).*** For a three (3)-year

undergraduate programme the maximum tenure of registration is four years or **eight (8) semesters**. For a ***four (4)-year*** *programme* ***(undergraduate and postgraduate)*** the maximum tenure of registration shall be five years or **ten (10) semesters**; and for *any* ***five (5)-year*** *programme* the maximum tenure shall be **fourteen (14) semesters** or seven years. Periods of freezing or postponement of studies are **not** counted toward the maximum tenure of registration. The decision on supplementary examination, discontinuation or repetition of a year shall be made by the Senate after recommendations by the School/Institute Board/SUSC/SCSC, anytime during the academic year.

(xi) *No Candidate shall be allowed to proceed to clinical or practical (professional courses) years in any undergraduate programme unless he/she has passed all biomedical science courses.*

(xii) No candidate shall be allowed to ***repeat any year of study on academic grounds***, except with special permission or approval of the Senate upon recommendations of the School/Institute Board or SUSC.

(xiii) For an undergraduate to qualify for a degree award, the cumulative total minimum number of programme credits shall be a sum of the minimum number of course credits required per academic year for each degree programme that is; all undergraduate degree programmes shall carry a minimum of **80 credits** per semester.

(xiv) The total minimum credits for the full programme shall therefore depend on the number of semesters prescribed for each programme. For a 2-year undergraduate programme credits required for graduation are **160;** three-year programme **240,** four-year programme **480,** and-five-year programme **640** credits

(vi) Students shall, in addition to *Sub-Regulation (viii) – (xii)* be discontinued from studies due to the following reasons:

(a) Failure to attend regular scheduled examinations or tests unless caused by unavoidable extenuating

circumstances.

(b) Committing examination/academic irregularities
(c) Committing disciplinary offences as described in the KCMC University Regulations and Student's by-laws.
(d) Absconding from studies.
(e) Failure to attended at least **90%** of the scheduled semester class period for each course.
(f) Missing more than **10 consecutive days** of class, without a valid reason.
(g) Failure to pay student fees, deposits, and charges.
(h) Ill health if not recommended by a recognized medical practitioner.

4.16 Grading in Diploma and Undergraduate Programmes

4.16.1 Grading

Unless otherwise specified by Senate, the Examination grading system shall be as follows: -

(a) Grading of Diploma Programmes

SCORE (%)	**80 -100**	**65-79**	**50-64**	**40-49**	**0-39**
Letter grade	A	B	C	D	E
Grade Point range	4.0-5.0	3.0-3.9	2.0-2.9	1.0-1.9	0-0.9
Remarks	**Excellent**	**Good**	**Satisfactory**	**Fail**	**Fail**

(b) Grading of Undergraduate Programmes

SCORE (%)	75 -100	70 – 74	60-69	50-59*	40-49	00 – 39.9
Letter grade	A	B+	B	C*	D	E
Grade Point range	4.5 - 5.0	4.4 - 4.49	4.0 -4.39	2.7 - 3.9	2.0-2.6	00 - 1.9
Remarks	Excellent (Distinction)	Very Good (Credit)	Good (Pass)	Satisfactory (Pass)	Marginal Fail	Fail

(i) Approved courses delivered in each programme shall be appropriately weighted in terms of credits.
(ii) To get the Score for each course, the grade points are multiplied by the number of credits of the course.
(iii) The total score for the degree programme shall be the total score for all **countable courses taken by the candidate** for the degree.
(iv) The Grade Point Average (GPA) shall be computed by dividing the total score in *sub-regulation (ii) and explained in Regulation 4.25.*

4.16.2 Interpretation of Grading

(i) **Award of Distinction:** To qualify for a Distinction, a candidate shall be required to achieve a minimum **GP of 4.5.**
(ii) **Award of Credit:** To qualify for Credit, a candidate shall be required to achieve a minimum GP of 3.5.
(iii) **Award of Pass:** To qualify for a Pass, a candidate shall be required to achieve a minimum GP of 2.7.
(iv) Health Profession Programmes are not classified but GPA are calculated and used to make decisions.

4.17 Disposal of Examination Answer Books and 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 Learning and Examination Management System platforms current in use and backed accordingly.
(ii) Heads of Departments concerned shall, with respect to examination answer books/scripts falling under their departments: -

(a) Create and maintain adequate records of actions and transactions affecting examination answer books/scripts to ensure that those records are properly maintained while waiting for any appeal or final disposal.
(b) Initiate the disposal procedures of those examination answer books/scripts for which there is no further need.
(c) Initiate immediate disposal of used examination answer books/scripts that have been stored by their departments for more than 13 months following respective Senate decision.
(d) Identify and safeguard those examination answer books/scripts which are of enduring value, and which shall be preserved as archives and made available to the library for research and public consultation.
(e) Assist the University Library in selecting examination answer books/scripts designated for archiving purposes.
(f) Seek expertise presumably from the University Library to assist in the sampling of answer books/scripts ear- marked for archiving.
(g) Designate **a place or room as storage area** for examination answer books/scripts awaiting appeals or final disposal.
(h) Store and retain course assignments for at least **thirteen (13) months** after completion of an examination concerned so that students are furnished with reasonable opportunity to obtain access.
(i) Witness and keep close control over final disposal of examination answer books/scripts to ensure the confidential nature of contents of answer books/scripts remain inviolate.
(j) Pending final disposal, Heads of Departments shall ensure all information contained in examination

answer books/scripts remain inviolate and is protected from misuse or abuse.

(k) Respective Schools, Directorates or Academic Institutes' Committees/Boards shall be responsible for prescribing under their special regulations clear guidelines for returning to the students graded courses, assignments, course essays, semester papers and timed essays.

(l) Unless otherwise retained for archival purposes, Departments shall also initiate the final disposal of such other examination scripts as essays, objective question papers, laboratory works, models, studio papers or drawings that have been in retention or storage for the previous **thirteen (13) months.**

(m) The DVC - ARC shall cause to be prepared a disposal and storage budget and *designate the cartons of various sizes or descriptions*, which shall be used by Heads of Departments for **thirteen (13) months** storage of examination answer books/scripts pending final disposal.

(n) The cartons prescribed under *sub-regulation (ii) (m)* above shall be so marked or labelled as to facilitate identification of *the course name, examination date, date of Senate decision, name of the course coordinator and date when final disposal shall be due*.

(iii) The University Library shall keep; maintain in any format including electronic, all answer books/scripts selected by Departments and sent to the library for archival purposes, where necessary.

(iv) The **DVC - ARC** shall *select and announce at the end of each academic year* the *best available practice in selecting of the examination answer books/scripts due for disposal,* as a reminder to Schools/Institutes and Departments.

(v) Depending on pertaining circumstances as privacy of information contained, cost involved and environmental considerations, the DVC - ARC may with respect to any batch due for disposal, direct: -
   (a) The disposal *by shredding* and then *disposal of shreds* by either **incineration** or *selling to companies for re-cycling*; or
   (b) Used examination papers shall be **incinerated** burnt to completion.

(vi) The DVC - ARC on recommendation of the Deans/Directors shall be the *principal executive officer responsible to order final disposal of any batch of examination answer books/scripts*.

(vii) Heads of Departments shall witness final disposal of itemized examination answer books/scripts.

(viii) After disposal of the scripts there shall be *a written a report from the head of department describing the method and process used for disposal*. The report from the Heads of Departments shall be forwarded to DVC - ARC through respective Deans/Directors and filled in a labelled file to replace the disposed scripts as a reference for any future enquiry.

(ix) The disposal of examination answer books/scripts shall also include all copies of **appropriate mark sheets** and **list of students who sat for the examination** in question.

(x) These regulations apply for the disposal of undergraduate, postgraduate or any other academic programme offered at the university.

4.18 Examination Regulations for Individual Postgraduate Programmes

4.18.1 Master of Public Health (MPH) Programme

(i) The general University Examination Regulations on registration for examination, eligibility for examination,

absence from examinations, academic integrity, professional conduct, invigilation of examinations, examination irregularities and procedures for appeals shall apply as stipulated in the *Regulation 4.5.*

(ii) The MPH Programme is a Two (2) semester programme made up of courses and modules and its maximum **tenure** for registration shall be Four (4) semesters. The freezing/postponement of studies shall not be counted in the maximum tenure of registration.

(iii) All modules/courses offered during the semester shall be examined at the end of the module/course.

(iv) External examiner or moderators shall be invited at the end of semester two (2) or audit year.

(v) Each module/course shall be assessed through CATs conducted during the module or course, and a formal end of END-of-Module/course Assessment which shall constitute the Summative Assessment (SA). All courses or modules shall be assessed and passed independently.

(vi) No student shall be permitted to sit for end-of-module/course examination unless he/she has attended **at least 90%** of the contact hours in that module.

(vii) If, for genuine and documented reasons, a student is unable to sit for a scheduled examination (s), the student shall be permitted to sit for a *special examination within the year of study.*

(viii) No student shall be permitted to sit for end-of-module/course examination unless she/he has completed all prescribed CATs, for that module/course.

(ix) The pass mark for a module/course is **60% (B grade**).

(x) Students are required to pass all prescribed modules/courses to successfully complete the programme.

(xi) Students who fail/s one or more modules or courses shall be eligible to sit for supplementary examinations.

(xii) A student who fails the first supplementary examination

and has a cumulative **GPA of less than 2.7** shall be discontinued from the studies.

(xiii) A student who fails a second supplementary examination(s) shall be permitted to repeat the failed module(s) or course(s) after semester two (2), provided that the cumulative **GPA is at least 2.7 or above** and that the maximum tenure of four (4) semesters allowed for MPH registration is not exceeded.

(xiv) A student who fails to clear the failed modules/courses until the maximum tenure of registration expires shall be discontinued.

(xv) A student who passes a supplementary examination at any level shall be awarded a **B grade (60%).**

(xvi) The MPH Programme shall include a dissertation component, and a student shall be required to pass the dissertation independently of the coursework modules *(See dissertation regulations).*

(xvii) A student shall be Awarded the MPH degree upon successfully passing all prescribed examinations in the programme, passing the dissertation, and submitting *an error free* approved dissertation.

(xviii) A student committing **professional misconduct shall be discontinued** from studies immediately *(summary dismissal).*

4.18.2 Master of Science (MSc) Programmes

(i) The general University Examination Regulations on registration for examination, eligibility for examination, absence from examinations, academic integrity, professional conduct, invigilation of examinations, examination irregularities and procedures for appeals shall apply as stipulated in the *Regulation 4.5.*

(ii) The MSc Programmes are Four (4) semester programme made up of courses and the maximum tenure of registration for the MSc Programmes shall be Six (6) semesters.

(iii) The freezing/postponement of studies are not counted in the maximum tenure of registration.

(iv) All courses offered during a semester shall be examined at the end of the course.

(v) The external examiners or moderators shall be invited at the end of each audit year.

(vi) No student shall be permitted to sit for end-of-course examination unless he/she has attended **at least 90%** of the contact hours in that module.

(vii) If, for genuine and documented reasons, a student is unable to sit for a scheduled examination (s), the student shall be permitted to sit for a **special examination within the relevant academic year of study**.

(viii) Each course/module shall be assessed through CATs conducted during the module/course and a formal end-of-Module/Course Assessment which shall constitute the SA. All modules/courses shall be assessed and passed independently.

(ix) No student shall be permitted to sit for end-of-module/course examination unless she/he has completed all prescribed CATs, for that module/course.

(x) The minimum pass mark for a module/course is **60% (Grade B**). Students are required to pass all prescribed courses to successfully complete the programme.

(xi) A student must attain a minimum **GPA of 2.0** at the end of the audit year one (1) to proceed to year two (2) of study. A student whose **GPA falls below 2.0** regardless of the courses passed shall be discontinued from studies.

(xii) A student who fails one or more modules or courses shall be eligible to sit for a first supplementary examinations during the long vacation.

(xiii) A student who passes a supplementary examination at any level shall be awarded a **B grade (60%).**

(xiv) A student in *semesters 1 or 2* who fails the supplementary examination(s) shall be allowed to sit for a second

supplementary examination when next offered if the cumulative **GPA is 2.7 and above.**

(xv) A student in *semesters 1 or 2* who fails the supplementary examination and the cumulative **GPA is below 2.7** shall be discontinued form studies except in special circumstances, if recommended by the School Board/SUSC and approved by the University Senate, as prescribed in the prevailing *Edition of Postgraduate Regulations.*

(xvi) A student who fails supplementary examination in *semesters 3 and 4* shall be permitted to repeat the failed module(s) or course(s) after semester four (4), provided that the maximum registration tenure of six (6) semesters allowed for MSc programmes is not exceeded.

(xvii) A *semester 5 and 6* student who exceeds the maximum tenure of registration without passing the required course(s) shall be *discontinued from studies*.

(xviii) The MSc programmes shall include a dissertation component, and a student shall be required to pass the dissertation independently of the coursework courses *(see dissertation regulations)*.

(xix) A student shall be Awarded the MSc degree upon successfully passing all prescribed examinations in the programme, passing the dissertation, and submitting *an error free* approved dissertation.

(xx) A student committing **professional misconduct shall be discontinued** from studies immediately *(summary dismissal)*.

4.18.3 Master of Medicine (MMed) Programmes

(i) The general University Examination Regulations on registration for examination, eligibility for examination, absence from examinations, academic integrity, professional conduct, invigilation of examinations, examination irregularities and procedures for appeals shall apply as stipulated in the *Regulation 4.5.*

(ii) Each course shall be assessed through CATs conducted during the course or module and end of course or module assessment, which shall constitute the SA. All courses or modules must be assessed and passed independently.

(iii) CATs and assessment of competencies in all competency domains shall be assed using appropriate for the competencies, which shall constitute 50% of the final module or course score and the SA the remaining 50%. *(Note that FA is not included in grading or SA because it is assessment "for learning" not "of learning").*

(iv) Residents shall be eligible to sit for the end of course/rotation examination/assessment only after successful completion of the course/rotation required milestones informed by submission of a duly completed and approved *logbook.*

(v) For a candidate to be allowed to sit for the end of course/rotation examination/assessment, he/she shall have attended at **least 90%** of the allocated class and **90%** practical/clinical hours or required experiential learning of the respective course/rotation.

(vi) Assessment methods for all courses/rotations of the Master of Medicine Programmes shall consist of written examinations, and clinical/practical examinations/assessments (OSCE, OSPE, MiniCex), **Direct Observation of Procedural Skills (DOPS)** and rating, Multisource rating, oral examinations and use of logbooks coverage, completions and competencies records.

(vii) All Semester one MMed courses, shall each be assessed by a stand-alone module or course examination at the end of the module course or semester.

(viii) Each course examination at the end of semester, shall be a one-hour and 25 minutes (85-minutes) paper totalling 100 marks, structured to include: one Long Essay Question (LEQ) allocated 15 minutes and worth 30

marks; two Short Essay Questions (SEQ), each 10 minutes (20 minutes total) and worth 10 marks each (20 marks total); and twenty-five Multiple Choice Questions (MCQs), which are allocated 2 minutes (50 minutes total) and worth 2 marks each (50 marks total).

(ix) At the end of a course or end of semesters 2, 3, 4, 5, 6, 7, and 8 each eligible resident shall do an end of course/rotation examination/assessment, consisting of the following three elements: -

(a) A written 3-hour paper, consisting of **30 MCQs** (60 minutes), **6 SEQ and 3 LEQ's** (120 minutes).

(b) A clinical examination consisting of one long case and 3 short cases or/and OSCE stations.

(c) To pass the end of course or rotation examinations in semester 2 to 8, candidates must pass both the written and clinical/practical components independently.

(x) The written examination in *regulation (vii)* above, shall carry **40%** of the marks, the clinical/practical **50%** and the oral (viva) examination **10%.** *Residents must pass both the written and the clinical components separately.*

(xi) A candidate who passes the examination with a **60% score ("B" grade) or higher** shall be declared to have passed the examination, and candidates are required to have attained a GPA of at least **2.0** before proceeding to the next year of study.

(xii) If a student fails one or more modules or courses, shall be allowed to sit for a first supplementary examination any time before the end of the academic year. A candidate who passes a supplementary examination shall be awarded **60% ("B" grade)** regardless of a superior mark scored.

(xiii) A student in *semesters 1 to 4* who fails the first **supplementary examination(s)** and has a **cumulative GPA below 2.7** shall be discontinued from the

programme, otherwise for a **cumulative GPA of 2.7** and above shall be allowed to do a **second supplementary examination** when next offered.

(xiv) A candidate who fails the **second supplementary examination** in *Semesters 1 to 4* shall be **discontinued from the studies** except in special circumstances. In such cases, another supplementary may be permitted if recommended by the School Board and the SPSC and approved by the Senate. Special circumstances shall be emergencies or other unavoidable events leading to inability to perform well in the second supplementary examination, *or as prescribed separately in the prevailing Edition of the Postgraduate Regulations.*

(xv) A candidate who fails the **second supplementary** examination in ***semesters 5 to 8*** shall be allowed to retake the failed courses or rotations after *semester eight (8*) for up to two (2) additional semesters, provided the allowable maximum programme duration is not exceeded.

(xvi) For the avoidance of doubt, the maximum tenure of registration allowed for a **four (4)-yea**r postgraduate programme is **ten (10) semesters,** and for a **five (5)-year** postgraduate programme is **fourteen (14) semesters.** Periods of freezing or postponement of studies are **not** counted toward the maximum tenure of registration. The decision on supplementary examination, discontinuation or repetition of a year shall be made by the Senate after recommendations by the School/Institute Board/SPSC, anytime during the academic year.

(xvii) Candidates are required to have attained a **GPA of at least 2.0** before proceeding to the next year of study.

(xviii) There shall be a Dissertation assessment, and it must be passed independently of the coursework (*see dissertation regulations).*

(xix) No candidate shall be allowed to repeat any year of study

on any grounds, without approval from the Senate.

(xx) All residents must pass professionalism competency assessments to graduate.

(xxi) A RESIDENT committing **professional misconduct shall be discontinued** from studies immediately *(summary dismissal).*

4.18.4 Overview of Dissertation Structure

(i) All master's Programmes shall include a dissertation component. The structure and delivery of the dissertation modules vary by programmes as follows:

(a) *MPH Programme:* **Module 1**: Research Proposal Development and **Module 2**: Data Collection, Analysis, Report Writing and Dissemination

(b) *MSc and MMed Programmes*: **Module 1**: Research Proposal Development, **Module 2**: Data Collection and Analysis, and **Module 3**: Research report Writing and Dissemination

(ii) Each Module shall be completed within its designated semester and must be passed in dependably before the student progress to the next stage

4.18.5 Dissertation Regulations

(i) Each dissertation module shall be assessed independently based on the required process and output for that module.

(ii) The final dissertation course **(Course Code DS 699)** score, which determines whether the student passed or fails the dissertation, shall be computed at: -

(a) Semester 2 for MPH,

(b) Semester 4 for MSc,

(c) Semester 6 for MMed.

(iii) Students shall adhere to all university ethical requirements and obtain appropriate approvals before commencing data collection.

4.18.6 Required Dissertation Modules

Module 1: Research Proposal Development

(i) Student shall prepare a proposal following the format in the Postgraduate and/or Postgraduate Regulations and Guidelines, under the guidance of their supervisor(s) and the hosting department.

(ii) The proposal shall be reviewed and approved by the department before ethical submission.

(iii) The student shall deliver at least one (1) oral presentation during the proposal development phase in the department and approved for further processing.

(iv) Student must pass Module 1 before progressing to data collection and analysis

Module 2: Data Collection and Analysis

(i) Student shall conduct data collection and analysis under close supervision of the supervisor(s) and the hosting department.

(ii) Student shall deliver at **least one (1) oral presentation** during the data collection and analysis phase, in the department passed, and approved.

(iii) Successful completion of **module 2** is mandatory before moving to the writing and dissemination stage *(or the combined 2 modules for MPH)*

Module 3: Dissertation Writing and Dissemination (MSc/MMed only or the combined Module 2 for MPH)

(i) The students shall prepare the dissertation in the format prescribed in the Postgraduate Handbook and /or Postgraduate Regulations and Guidelines.

(ii) The students shall prepare the dissertation report under the supervision of the department and the supervisor(s).

(iii) The students shall deliver at least one (1) oral presentation during the report writing and dissemination

stage, in the department and academic forum.

(iv) Students Must prepare **at least one (1) manuscript** draft based on their research findings for submission to a university *recognized peer-reviewed journal*.

(v) **For MPH and MSc programmes**, students shall be required to provide *evidence of at least one manuscript prepared from their dissertation research*.

(vi) **For MMed programmes,** students shall be required to provide *evidence of submission of at least one (1) manuscript to a peer-reviewed journal*. Such evidence shall be submitted TIMELY to the DPS office through the department as a prerequisite for eligibility for graduation.

(vii) A student who fails to meet the manuscript requirement specified above **shall not be eligible for graduation**, notwithstanding successful completion of all other coursework and dissertation requirements.

4.18.7 Dissertation Assessment Structure

(i) The dissertation shall be assessed across four (4) parts, each of which must be passed with at least a **"B" Grade (60%).**

(ii) The final dissertation score shall be computed as an aggregate of Continuous Assessment Tests 1 and 2 (CAT1, CAT2), Summative Assessment 1 and 2 (SA1 and SA2) across all dissertation modules and the *viva voce examination (See Postgraduate Regulations and Guidelines also)*.

(iii) Each component shall contribute a defined proportion to the overall dissertation score, as outlined in the assessment table below: -

Stage	Descriptions	Assessment	Marks (%)
1	Proposal Development	CAT 1	20

2	Data collection and Data Analysis	CAT 2	20
3	Written Dissertation	Summative (SA 1)	40
4	Defense *(viva voce)*	Summative (SA 2)	20
Total			**100**

Proposal Development, Data Collection and Analysis - CAT 1 &2

(i) Students shall submit finalized module1 or module 2 through their supervisors to the Heads of Department **Two (2) weeks** before examination. **Two (2) spirally bound copies** and an electronic copy of the dissertation shall be submitted for examination and plagiarism control purposes.

(ii) **Modules 1 and 2** shall comprise two mandatory assessments components: *Written Research Assessment and Oral Presentation at departmental level (Module 1 &2).*

(iii) Head of Department shall appoint two senior academic staff members (*not the student's supervisor(s))* to assess the written and oral department presentation (Module 1 & 2).

(iv) The supervisor(s) shall not participate in the scoring but may attend as observers.

(v) A student who fails Modules 1 and 2 shall be allowed to resubmit or re-present, subject to departmental scheduling and within programme timelines.

(vi) Written feedback shall be provided to guide proposal improvements prior to ethical submission **(for Module 1)**

(vii) Assessors shall provide written feedback to guide improvement of the ongoing research activities (for **Module 2).**

(viii) The department shall maintain records of scoring sheets,

feedback, and confirmation of **Module 1 and 2** completions. Copies shall be submitted to respective School/Institute and DPS office.

(ix) Assessment of Written Dissertation –SA. Each written dissertation shall be assessed by TWO (2) senior academic staff members, appointed through the Department and approved by the relevant School/Institute Boards and Senate. One examiner shall serve as the Internal Examiner and an External Examiner shall be appointed in accordance with **Regulation 4.8 above.**

(x) For examination purposes the student shall submit **four (04) spirally bound** copies of the dissertation to Dean/Director of the School/Institute via the supervisor and Head of Department. The School Dean or Institute Director shall send one copy to the Senate appointed **internal examiner,** and the DVC – ARC shall send a soft copy and/or hard copy to Senate appointed **external examiner.**

(xi) Where an external examiner from outside the University is not available, the Senate shall appoint a qualified internal moderator from a related department after recommendations form the School/Institute Board and SPSC.

(xii) **Internal and External Examiners** shall submit written evaluation reports within **two (2) weeks** of receipt of the dissertation.

(xiii) If reports are not received within the prescribed period, alternative examiners may be appointed, after a reminder to submit has failed.

(xiv) Each examiner shall submit a numeric and letter grade scores using the approved University grading scale communicated to them by the DVC-ARC.

(xv) In the case of two internal and external examiners, where there is a substantial discrepancy between the two

categories of examiners pair' scores (*e.g., a difference of more than 20% points)*, the Senate may appoint an independent third pair of examiners, and the final score shall be determined by averaging the two closest scores.

(xvi) Where *there is substantial discrepancy* (*e.g., a difference of more than 15% points)* between the internal and external examiners' scores, the external examiner's score shall prevail. For minor discrepancies of less than 15 points so long as both are passing scores than the two shall be averaged to give a final score.

Defence (Viva Voce) Examination – SA 2

(i) All students shall sit for a viva voce examination after submission of a written dissertation.

(ii) The viva voce shall evaluate the following: -
   (a) The quality of the oral presentation,
   (b) The candidate's understanding of his/her research area.
   (c) The ability to defend methodological decisions, analytical decisions, and recommendations.

(iii) Each member of the panel shall score the candidate and the average score of the marks shall be recorded on appropriate from provided in the Postgraduates Handbook.

(iv) The panellists of the *viva voce* shall strive to arrive at a unanimous decision on the candidate's performance. In case the panellists are unable to reach a unanimous agreement as to whether the candidate passes or fails*, a vote shall be taken to arrive at a decision*. A majority vote shall be required for passing the *viva voce* examination. Passing the viva voce is required, and it must be passed independently for the candidate to be considered to have passed the dissertation course

(v) The duration of viva voce examination shall not exceed one *hour, and a half* arranged in the following order:

(a) Maximum of 30 minutes of an oral presentation
(b) Maximum of 45 minutes of questions and answers and
(c) Maximum of 15 minutes of deliberations

(vi) The viva voce panel shall be constituted as follows:
(a) Head of Department where the candidate is registered or his/her appointee
(b) Extern Examiner or a representative who is appointed by the senate
(c) Internal Examiner who examined the written dissertation
(d) Research supervisor (s) without voting power and
(e) Secretary to the panel without voting power who shall be appointed by the Head of the Department where the candidate is registered

4.18.8 Final Grading of the Dissertation (Course DS 699)
The grading system recommended by Senate shall be used in scoring each phase of the dissertation work as shown below: -

Letter grade	Marks range (%)	Qualitative value
A	75-100	Excellent/Distinction
B+	70-74	Very Good/Merit
B	60-69	Good/Pass
C	50-59	Fail
D	40-49	Fail
E	0-39	Fail

(i) **A student who scores 75 – 100% (Grade A):** shall revise the dissertation based on examiners' comments and submit to the department within 2 weeks of Senate approval of the results

(ii) **A student who scores 70 – 74% (Grade B+):** shall revise the dissertation based on examiners' comments and submit to the department within 4 weeks of Senate

approval of the results.

(iii) **A student who scores 60 – 69% (Grade B):** shall revise the dissertation based on the examiners' comments and submit to the department within 6 weeks of Senate approval of the results.

(iv) **A student who scores 50 – 59% (Grade C):** shall revise and resubmit the written dissertation with major corrections, addressing all issues identified by examiners. Resubmission must be made within one (1) to two (2) months of Senate approval of the results. The resubmitted written dissertation shall be reassessed by both internal and external examiners. Only the written dissertation shall be evaluated. If it attains a passing grade, the student shall receive a **B (60%),** regardless of the actual score.

(v) **A student who scores 40 – 49% (Grade D):** is eligible for resubmission after extensive revision. The student shall undertake extensive revision, including re-analysis or further methodological improvements as recommended by examiners. A full resubmission for re-examination shall be permitted within **six (6) months** of Senate approval of the results, subjects to maximum tenure. The resubmitted dissertation shall be reassessed by both internal and external examiners. The dissertation assessment shall include both written and viva voce. If it attains a passing grade, the student shall receive a B (60%), regardless of the actual score. If tenure does not allow adequate time for a resubmission and re-examination, the student shall be discontinued from studies.

(vi) **Score 0 – 39% (Grade E**): Dissertation Rejected. The written dissertation shall be rejected outright and cannot be res-examined. Student may, however, undertake a new dissertation topic, provided the maximum programme tenure allows. If tenure does not allow

adequate time for a new dissertation, the student shall be discontinued from studies.

(vii) **For MMed** student who fails the dissertation course by scoring D (40 – 49%) or E (0 – 39%), shall be allowed to retake the dissertation course after Semester 8 for up to two (2) additional semesters, provided the maximum programme registration duration is not exceeded.

(viii) **For MSc and MPH** student who fails the dissertation course by scoring **D (40 – 49%)** or E (0- 39%), shall be allowed to retake the dissertation course for up to two (2) additional semesters, provided the maximum programme duration is not exceeded.

(ix) A dissertation rejected by examiners after resubmission shall not be accepted for re-examination at this university.

(x) Before admission into **semester seven (7)** of year four (4), every resident shall have submitted a written dissertation and appeared for a defence (viva voce), as prescribed above.

4.18.9 Final Submission of Dissertation after the Viva Voce:

(i) After defence the student shall attend all corrections recommended by examiners.

(ii) The student shall then submit **four (4) error-free copies** of fully bound dissertation and a soft copy of the whole dissertation to the Head of Department for transmission to the Chairperson, of the DVC-ARC or the Chair of SPSC.

(iii) Each copy shall be bound, and the spine shall be embossed **in gold, bearing**: -

(a) The surname and initials of the candidate.

(b) The degree for which the dissertation has been submitted.

(c) The year of degree award.

(d) The writing on the spine shall read from the

bottom to the top.

(e) The title of the work shall be printed in gold letters on the front cover of the bound volume.

(iv) Additional advice on binding shall be sought from the Directorate of Postgraduate Studies.

4.19 Grading of Postgraduate Programmes

(i) The grading in postgraduate programmes, calculation of GP and calculation of GPA shall follow the steps prescribed for undergraduate programmes in *Regulation 4.16*, but the scores, the letter grades and grade points ranges shall be as shown in the Table below: -

Letter Grade	A	B+	**B**	C	D	E
Marks	75 – 100	70 -74	**60 - 69**	50 - 59	40 - 49	0 - 39
GP	4.5	4.0	3.0	2.0	1.0	0
Remarks	Excellent/ Distinction	Very Good/Merit	Good/ Pass	Marginal Fail	Fail	Fail

(ii) The interpretation of postgraduate scores and awards shall be as follows: -

(a) *Award of Distinction*: To qualify for a Distinction, a candidate shall be required to have achieved a minimum GP of 4.5 in a subject or GPA of 4.5.

(b) *Award of Merit:* To qualify for Merit, a candidate shall be required to have achieved a minimum GPA of 4.0 in a subject or a minimum GPA of 4.0.

(c) *Award of Pass*: To qualify for a Pass, a candidate shall be required to have achieved a minimum **GPA of 3.0** in a subject or a minimum **GPA of 3.0.**

(d) Like in undergraduate programmes, postgraduate degrees, in Health Sciences, including PhD are NOT Classified.

4.20 Decisions on Grading of Postgraduates

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

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

(ii) The Final Grade score and GPAs shall be truncated to one decimal place.

(iii) After the Departmental Board of examiners' meeting, all 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).

(iv) All documents tabled during Departmental Board of Examiners Meeting shall be reclaimed from members of the Board at the end of the Meeting.

(v) Internal Examiners and External Examiners shall not divulge marks to students.

(vi) All examination results are confidential until the School Boards of Examiners consider and publish them.

4.21 Regulations for PhD programmes

(i) The KCMC University PhD programmes are implemented trough research and dissertation/thesis.

(ii) Applicants must hold a relevant master's degree (UQF Level 9) with a minimum **GPA of 3.0/B**, from a recognised institution. Admission requires a concept note, approved supervision capacity, and evidence of financial support. Applicants may be interviewed as part of the selection process.

(iii) Each PhD candidate shall be assigned at least two supervisors, approved by Senate and qualified in accordance with *KCMC University Postgraduates Supervison Policy, Guidelines and Procedures.*

(iv) The PhD shall be completed in 4–7 years, begining with provisional registration (**up to 6 months**) for proposal development and refinement. Full registration shall be granted upon approval of the research proposal and ethical clearance. After ethical approval, the department shall recommend full registration to the School/Institute Board which shall scrutinize the quality and if satisfied recommend to the SPSC for further scrutiny and ethical certification processing by KUREC.

(v) If, after six (6) months, the candidate has not secured ethical clearance, their provisional registration will be withdrawn, and they must submit a new application. An extension may be granted upon the department's recommendation through the SPSC.

(vi) Candidates shall be required to register at the beginning of the 1st year and to renew their registration at the beginning of subsequent academic years by providing the progress report through the department and paying the required fees. Failure to renew registration shall mean automatic discontinuation from studies.

(vii) A candidate registered for the PhD programme shall be required to do formal short courses appropriate to his/her field of study, **as proposed by his/her supervisor(s)** and the Head of Department.

(viii) A candidate shall demonstrate scholarly output through: Two (2) published papers, and additionally one (1) in manuscript accepted for publication. All papers and manuscripts shall emanate from the candidate's PhD research.

(ix) Each quarter the candidate shall fill a progress in the prescribed forms issued by DPS and processed through the Supervisor, the department to DPS for tabling in the SPSC to track progress and warn poor performers timely. Other regulations, which pertain to progress shall be followed in the current edition of *Postgraduate Regulations and*

Guidelines.

(x) Candidates shall **submit their thesis** only after fulfilling all programme requirements, including attendance to the required supervisors' directed courses, seminar presentations, publications, teaching duties, scientific conference presentations, oral or poster (both local and international) and progress reporting.

(xi) Thesis assessment or evaluation shall consist of: -

(a) Assessment of the written thesis by approved internal and external examiners.

(b) A viva voce defence, evaluating originality, methodological rigour, and mastery of the research area.

(c) The final decision shall be based on ***performance*** in both the written thesis and the viva voce.

(vii) Candidates required to make corrections must submit revised work following the disposal prescribed under dissertations *sub-regulation 4.19.5.*

4.22 Appeals for Various Reasons

Students may appeal due to various reasons occurring in various activities from application to examinations. The appeal Regulations in this prospectus shall apply for all programmes and bot undergraduate and postgraduate students or for any other academic programme offered in the university. The following regulations shall be followed in lodging the appeals and processing as appropriate: -

4.22.1 Appeals for the admission and registration process

(i) Applicants not satisfied with the selection results may submit an appeal to the KCMC University Senate through the offices of the Deputy Vice Chancellor - Academic, Research and Consultancy (DVC-ARC).

(ii) No appeal on registration and admission shall be

entertained unless an appeal is lodged with the DVC-ARC in accordance with these regulations within two months from the date of admissions or registration.

(iii) No admission or registration appeals shall be accepted if the reason is related to entry criteria or qualifications

4.22.2 Appeals related to examination results

(i) The appeal shall be lodged with the DVC-ARC within **seven (7) calendar days** (weekend inclusive) from the date of releasing the examination/assessment results.

(ii) For fairness of the due process, in the most unusual circumstances, appeals may be lodged with the DVC-ARC within six months from the date of approval of the results. The unusual circumstances shall be clearly explained and supported with evidence and approved by the senate. Beyond this this period the statute of limitation shall have expired, and any appeal shall be dismissed.

(iii) Except for unfair marking, wrongful computation of marks or grades or others such as irregularity committed in the conduct of a Summative Assessment (SA), no appeal shall be entertained for any such examination/assessment on any other ground.

(iv) No appeals at any time shall be lodged for any type of Formative Assessment (FA).

(v) Any student or candidate aggrieved by a decision of the School/Institute Board, Senate Undergraduate Studies Committee (SUSC), or Senate Postgraduate Studies Committee (SPSC) may appeal to the Senate for reversal or moderation of the decision.

(vi) Appeals shall be lodged with the Board of the aggrieved student's School or Academic Institute, which shall forward the appeal with observations and recommendations to the SUSC, SPSC, whose observations and recommendation shall be forwarded to the Senate for approval. When SUSC is unable to sit and

make decision the School or Institute Boards shall make observations and recommendations directly to the Senate through the Secretary of the Senate (DVC-ARC).

(vii) For avoidance of Conflicts of Interest, any member of the aggrieved or appealing student's School or Academic Institute Board *who participated in the marking of the examination or assessment in question* shall not have a voting right in the School/Institute Board, SUSC SPSC or Senate over such an appeal to determine decision but shall participate in the proceeding only in terms of presentation of findings and recommendation of the relevant School or Academic Institute Board, or answering questions as the case may be, and shall recuse him/her self from the Senate session considering any such appeal.

(viii) For the same reason as in (vii) above, any person who has been involved at any stage in the processing of a case of alleged commission of an examination irregularity, whether at first instance or in preparation for the appeal, shall be barred from participation in the making of a decision over such an appeal, except for purposes of making a presentation of findings or recommendations or answering questions from members, as the case may be, in respect thereof and shall recuse him/her self from the Senate session considering any such appeal.

(ix) Upon receiving a complaint from any student, The Senate through the DVC-ARC **may** compose an Investigation Committee of the University Senate to do the necessary investigation according to the given Terms of Reference (ToRs) and report to the University Senate.

(x) Regardless of whether the information was from a Senate committee or from any other committee (School/Institute Board, SUSC, SPSC) the Senate shall deliberate and decide on the matter.

4.23 Appeal Fees

(i) All appeals shall be processed subject to payment of non-refundable appeal fee of eighty thousand shillings **(TZS 80,000/=)** for undergraduates and one hundred thousand shillings **(TZS 100,000/=)** in respect of Tanzanian students or one hundred dollars **(USD 100)** for international students.

(ii) When submitting the appeal documents, the appellant student shall attach a receipt showing that the appeal fees have been paid to the University Bank Account and marked *"appeal Fees"*.

4.24 Calculation of GPAs and Classification of Degrees

(i) **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.

(ii) 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) =

Weighted Total Points for all Courses Taken *Total Number of courses' Credit Hours Taken*

(iii) The letter grades shall be assigned grade points (GP) in accordance with the raw marks attained, as shown for undergraduate programmes in *Regulations 4.16.*

(iv) Approved courses given for each degree shall be appropriately weighted in terms of credits.

(v) To get the Score for each course, the grade points are multiplied by the number of credits of the course as in *sub-regulation 4.16 (iii)*

(vi) The total score for the degree shall be the total score for

all countable courses taken by the candidate for the degree, computed as in *sub-regulation 4.16 (iii)*

(vii) The average score (GPA) shall be computed by dividing the total score in *sub-regulation 4.16 (iii)* by the total weight obtained.

(viii) No diploma of this university shall be classified.

4.25 Degree Award

(i) The Board of Examiners in a School or Academic Institute, upon its satisfaction that the standard required under relevant regulations for the award of a degree, diploma, or other award has been attained by a candidate in university examinations, may recommend to Senate through the Senate that such degree, diploma or other award be conferred upon or granted to such successful candidate.

(ii) The Senate may approve conferment of degrees and grant diplomas or other awards of the University to students who satisfy the relevant requirements and are recommended for such conferment or grant by the Board of Examiners in a School or Academic Institute and Recommended by the **University Senate.**

4.26 Policy Governing Loss of Certificate

In case of loss, total or partial destruction of the original certificate or a copy thereof, the University shall recommend to the Chairperson of the Senate, issue of a copy or another certificate on condition that:

(i) The applicant produces an affidavit and Police Report.

(ii) The certificate so issued shall be marked **COPY** across it and shall be issued only once.

(iii) The replacement certificate shall not be issued until the period of 6 months from the date of such loss has elapsed,

or as may be directed by the Senate; except that such replacement may be issued within a shorter period where there has been partial destruction of the original certificate or of a copy thereof;

(iv) The applicant must produce evidence that the loss has been adequately publicly announced (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.

(v) A fee of **TZS 120,000/=** in respect of Tanzania student or **USD 100**: - in Money Order or electronically, in respect of international 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.

4.27 Aegrotat Degrees

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

(i) Students who have completed such portion of the examination as shall be determined by the School or Academic Institute Board are eligible to apply for an aegrotat degree.

(ii) Applications from, or on behalf of, students must reach the office of the DVC - ARC through the Dean of the School or Director of an Academic Institute within the period of the examination, and shall be accompanied by a report obtained, from the Medical Officer approved by the University.

(iii) An aegrotat degree shall not be awarded unless the

examiners consider that, in the work he/she attended, the candidate reached a standard, which if also reached in the remainder of the examination shall have qualified him/her for the award of the degree PROVIDED that only students who completed successfully the whole of their course work and at least **80%** of the final written examination are eligible to apply for an aegrotat degree.

(iv) An aegrotat degree candidate shall not be eligible for the award of honours degree.

(v) Holders of an aegrotat undergraduate degree are not permitted to re-enter for the same examination but may apply for permission to proceed to a second or higher degree if they comply with the regulations for registration for such a degree.

4.28 Post-Humous Awards

A posthumous award may be awarded to a student who has died before graduation but after qualifying for award of a degree of any academic programmes at the University. It is given by the University to acknowledge that if death had not occurred, the student, who had fulfilled the requisite criteria, had the right to be conferred the respective academic award. Decision for posthumous award of undergraduate degrees and Diplomas therefore is made with due attention to academic and institutional integrity and accordingly, such awards shall be given in line with the following regulations: -

(i) Criteria for award–An undergraduate degree or diploma may be awarded posthumously if: -

(a) At the time of death, the student was enrolled in one of the academic programmes at the University.

(b) The student was in good academic standing and successfully completed all requirements for the degree or diploma to be awarded.

(c) A favourable recommendation for award of the

degree or diploma is made by the student's School or Academic Institute Board as the case may be, and the University Senate.

(d) The Senate approves the award.

(e) The academic transcript of such students shall be marked *"Degree conferred posthumously"* and placed in the student's file. **The transcript shall not be released to any authority or person or persons**.

(ii) Conferral of a Posthumous Award:

(a) A posthumous degree shall customarily be conferred at the regularly scheduled graduation ceremony *in absentia* or in the presence of a member of the student's family or their representative.

(b) During presentation of the student's name, it shall be mentioned that a posthumous award shall be presented to him/her.

4.29 Conditions for Re-admission after Discontinuation

(i) Students who have been discontinued from a programme on grounds other than **Academic** *(failing examinations/academic irregularities, absconding from tests or examinations, abscondment of studies),* OR **Disciplinary** or **Criminal Offences** may at the discretion of the Senate be readmitted after at least **One (1) year**.

(ii) A student previously discontinued for failing to pay fees, deposit and other charges may be re-admitted after he/she 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.

(iii) All other category of students shall have to re-apply for ad re-mission after **Three (3) Years.**

5.0 NOTES FOR INVIGILATORS

5.1 Procedure for non-digital written Examination

5.1.1 Before the Examination:

(i) Invigilation of university examinations is one of the duties and responsibilities of all University Academic Staff as part of teaching and assessment. Every academic staff may, therefore, be assigned to invigilate an examination.

(ii) Invigilators shall be present in the examination room at least twenty minutes before the commencement of the examination.

(iii) Invigilators shall be provided with the following items by the Examinations Officer: -

(a) The question papers to be attempted by candidates in sealed envelopes. The question papers must be personally collected by each invigilator from the Examinations Officer at least twenty minutes before the examination. All invigilators who have reported to the Examinations Officer within this period shall immediately go to their respective examination room.

(b) A list showing the names of the papers to be attempted in the room *(This shall be distributed to invigilators in advance).*

(iv) Invigilators must ensure that **Only One Answer Book** is provided for each candidate unless the rubric on the question paper requires otherwise. The answer book shall be filled before any additional paper is provided.

(v) Question papers and any other material prescribed in the rubric (e.g. log tables, charts etc.) shall be set out by the invigilator with the help of the Internal Examiner.

(vi) Bags, books, attaché cases, papers and other related items should be left outside the examination room.

(vii) Invigilators shall admit candidates to the examination room ten minutes before the commencement of the examination, and they shall:

(a) Ensure that students take the right places.

(b) Handbags, books and other similar articles are deposited with the invigilator before the candidate is permitted to go to his/her place (where big numbers of candidates are involved, invigilators may admit candidates to the examination room fifteen minutes in advance).
(c) Make an announcement to the effect that unauthorized materials are not allowed in the examination room.
(d) Make an announcement to the effect that candidates should satisfy themselves that they are in possession of the correct paper,
(e) Call attention to any rubric at the head of the paper, which may require attention.
(f) Announce that, where it is practicable, both sides of the paper must be used.
(g) Announce the time the student shall begin the examination and when it shall end and then announce that they may start writing.

(viii) Students shall normally be allowed five minutes to read the paper before the announcement to start writing.

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

5.1.2 During the Examination

(i) At the commencement of the examination, invigilators should remind candidates to ensure that they are attempting the right examination.

(ii) At the end of the first half hour the total numbers of candidates' present shall be noted down. Invigilators shall then collect the blank answer-books from all vacant places. The Invigilator shall return spare question papers to the correct envelopes for collection.

(iii) During the examination, invigilators should ensure that candidates are provided with any additional requirements (e.g. scripts, blotting-paper log- tables etc.).
(iv) Candidates may be permitted to do rough work on the left-hand pages of the script on the understanding that this is crossed out after the end of the examination.
(v) No candidate should be permitted to leave his/her place during the examination except to leave the examination room.
(vi) A candidate who contravenes the regulations and instructions governing the examinations, especially by unfair practices such a copying from or communicating with other candidates shall be reported immediately to the Examinations Officer.
(vii) Once a student is found with unauthorized materials, the invigilator should ask the student to sign on the materials to confirm that they are his/hers. The candidate shall be informed that he/she has contravened the regulations and that he/she has been reported but shall not be prevented from continuing with his/her paper.
(viii) A written report must be sent to the Examinations Officer including full details of the contravention. It is part of the invigilator's duty to move about the examination room as quietly as possible at frequent intervals.

5.1.3 At the End of the Examination

(i) Invigilators shall not permit candidates to leave their places before their scripts have been collected. Candidates who wish to leave the examination room before the end of the examination shall hand over their scripts to the invigilator before leaving the examination room.
(ii) No candidate shall leave the examination room during the last ten minutes of the time allocated for the examination except in case of emergency. At the end of the examination

period invigilators shall instruct the candidates to stop writing and then collect all the scripts.

(iii) Invigilators shall enter the number of examination scripts collected from the candidate on the attendance sheet provided by the Examination Officer at the time of collecting the examination papers.

(iv) Invigilators shall sign the said attendance sheet before they hand over all the scripts to the Internal Examiners (or their deputies) who must be present in the examination room at the end of the examination. Where invigilators are also internal Examiners, there should be no problem of collection of scripts.

(v) On scripts are received, the Internal Examiners shall check them and countersign on the collection form.

(vi) The attendance sheets must be handed to the Examinations Officer at the end of each session. Invigilators shall hand over all extra examination papers to the Head of the relevant Department.

5.2 Procedure for digital/online Examinations

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

5.2.1 General Procedures during Examinations

(i) Internal Examiners (or their deputies) are required to attend in the examination rooms at the commencement of each period to assist the invigilators and to collect the scripts. Instructions, which the examiners (or their deputies) may wish to be given, should be announced by the invigilators.

(ii) Cases of illness should be reported to the Examinations Officers as soon as possible.

(iii) Invigilators shall have the power to confiscate any unauthorized book; manuscript or other aid brought into the examination room and to expel from the examination room any candidate who creates a disturbance. They shall report to the Examinations Officer any case of a candidate suspected of giving or obtaining unauthorized assistance or of attempting to do so, and that officer shall have power to take any further steps he/she may consider necessary. He/she shall then report the matter to the DVC-ARC.

(iv) The term "Examinations Officer" includes the Examination Officer's deputies.

6.0 SYNOPSIS OF THE PROGRAMMES

6.1 Undergraduate Programmes

6.1.1 Diploma in Health Laboratory Sciences

Programme Description

The establishment of a Diploma programme in Health Laboratory Sciences at this university 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. This programme is under NACTVET and be phased out once NACTVET acquire alternative centres to offer the programme in mid-level University's offering Diplomas.

Programme learning outcomes (PLOs)

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

1. Perform routine clinical laboratory procedures within acceptable quality control parameters.
2. Demonstrate technical skills, social behaviour, 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.

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR DIPLOMA IN HEALTH LABORATORY SCIENCES PROGRAMME.

Course Codes	Title of module	Lecture	Tutorial	Assignment	Independent studies	Practical training	Total Hours	Total Credits
Year 1 - Semester 1								
ANA 1111	Anatomy	80	10	15	15	-	120	12.0
BIO 1112	Basic Chemistry and Biochemistry	40	10	15	15	-	80	8.0
LPS 1110	Laboratory practice and Safety	40	10	15	15	20	100	10.0
COM 1129	Communication Skills	40	10	15	15	-	80	8.0
CIT 1115	Computer skills	30	10	10	-	20	70	7.0

	and information technology							
IST 1116	Instrumentation	40	10	10	-	10	70	7
BIS 1114	Medical Biostatistics	40	10	15	15	-	80	8
Total Semester 1							**600**	**60.0**
Year 2 - Semester 1								
PHY 1113	Human Physiology & Body fluids	80	10	10	10	-	110	11
IDT 1120	Immunology and immunodiagnostics	30	10	10	10	10	70	7
HEM 1122	Haematology	30	10	10	10	10	70	7
MIC 1123	Microbiology	30	10	10	10	10	70	7
HIS 1124	Histopathology	30	10	10	10	10	70	7
CHE 1125	Clinical Chemistry	30	10	10	10	10	70	7
PAR 1126	Parasitology	30	10	10	10	10	70	7.0
MOL 1118	Molecular Biology	30	10	10	10	10	70	7.0
Total Semester 2							**600**	**60.0**
Year 2 - Semester 3								
BTR 2321	Blood Transfusion	30	10	10	10	10	70	7.0
CHE 2325	Clinical Chemistry	40	10	10	10	15	85	8.5
HEM 2322	Haematology	40	10	10	10	15	85	8.5
HIS 2324	Histopathology	30	10	10	10	10	70	7.0
MIC 2323	Microbiology	40	10	10	10	15	85	8.5
PAR 2326	Parasitology	40	10	10	10	15	85	8.5
LMD 2327	Laboratory molecular diagnostics	30	10	10	10	10	70	7.0

FOF 2328	Foundation of faith	30	10	10	-	-	50	5.0
Total Semester 3							**600**	**60.0**
Year 2- Semester 4								
BTR 2421	Blood Transfusion	30	10	10	10	10	70	7.0
CHE 2425	Clinical Chemistry	40	10	10	10	15	85	8.5
HEM 222	Haematology	40	10	10	10	15	85	8.5
HIS 2424	Histopathology/Morbid Anatomy	30	10	10	10	10	70	7.0
MIC 2423	Microbiology	40	10	10	10	15	85	8.5
PAR 2426	Parasitology	40	10	10	10	15	85	8.5
LMD 2427	Laboratory molecular diagnostics	30	10	10	10	10	70	7.0
FOF 2428	Foundation of faith	30	10	10	-	-	50	5.0
Total Semester 4							**600**	**60.0**
Year 3 - Semester 5								
CHE 3525	Clinical Chemistry	30	5	5	5	15	60	6
HEM 3522	Haematology	30	5	5	5	15	60	6
BTR 3521	Blood Transfusion	20	5	5	5	15	50	5
EHP 3517	Entrepreneurship	10	-	-	-	-	10	1
REM 3530	Research Methodology	20	5	30	5	-	60	6
MAN 3519	Health Laboratory Management	20	5	30	5	-	60	6
HIS 3524	Histopathology	30	5	5	5	15	60	6
PAR 3526	Medical Entomology	30	5	5	5	15	60	6
MIC 3523	Microbiology	30	5	5	5	15	60	6
PRC3527	Practical sessions/ Laboratory rotation	-	-	-	-	120	120	12
Total Semester 5							**600**	**60.0**
Year - Semester 6								
MAN 3619	Clinical Laboratory rotation & Field Practice				40	200	240	24.0
CHE 3625	Clinical Biochemistry	30	5	5	5	15	60	6.0
HEM 3622	Haematology	30	5	5	5	15	60	6.0
BTR 3621	Blood Transfusion	30	5	5	5	15	60	6.0

HIS 3624	Histopathology and Morbid Anatomy	30	5	5	5	15	60	6.0
PAR 3626	Parasitology	30	5	5	5	15	60	6.0
MIC 3623	Microbiology	30	5	5	5	15	60	6.0
Total Semester 6							**600**	**60.0**
Programme Hours and Credits							**3600**	**360.0**

6.1.2 Diploma in Diagnostic Radiography

Programme description

The Diploma in Diagnostic Radiography is founded on the principle that effective healthcare combines technical expertise, compassionate patient care, and ethical practice. The program aims to develop competent radiographers skilled in diagnostic imaging, communication, teamwork, and professional growth. It adopts a competency-based approach to prepare graduates for the dynamic healthcare landscape and improve patient outcomes.

Vertical articulation in the program ensures that the competencies gained serve as a foundation for further education, enabling graduates to pursue advanced degrees in Radiography or related fields. This progression enhances their professional qualifications and career prospects. Horizontal articulation integrates knowledge across various healthcare disciplines, fostering a comprehensive understanding of patient care and promoting collaborative practice within multidisciplinary teams.

The program employs a spiral curriculum, revisiting core concepts and competencies with increasing complexity. This approach allows students to deepen their understanding and refine their skills over time, applying foundational knowledge in more sophisticated contexts as they progress. By engaging with complex case studies and practical applications, students

develop critical thinking and problem-solving abilities, preparing them for real-world challenges in diagnostic radiography. Overall, the program emphasizes a holistic and integrated approach to healthcare education.

Programme Learning Outcomes

Upon completion of the programme, graduates will be able to:

1. Demonstrate technical proficiency in operating diagnostic imaging equipment.
2. Apply knowledge of human anatomy and pathology to produce high-quality diagnostic images.
3. Communicate effectively with patient and healthcare professionals.
4. Adhere to safety protocols and ethical standards in radiography practice.
5. Engage in critical thinking and problem-solving in clinical scenarios.
6. Collaborate effectively within interdisciplinary teams.
7. Commit to lifelong learning and professional development.
8. Demonstrate professionalism and ethical behaviours in all aspects of practice.

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR DIPLOMA IN DIAGNOSTIC RADIOGRAPHY

Semester 1: Year 1									
Code	**Course name**	**CE**	**LH**	**TH**	**AH**	**IS**	**PH**	**Total**	**Credits**
Year 1: Semester 1									
DR 111	Human anatomy, Physiology and Pathology	C	58	18	18	18	38	150	15.0
DR 112	Nursing Procedures	C	92	14	7	5	42	160	16.0
DR 113	Imaging Physics	C	57	6	6	6	5	80	8.0

DR 114	Radiobiology and Radiation Protection	C	57	5	12	6	10	90	9.0
DR 115	Medical Ethics and Professionalism	C	22	9	9	10	10	60	6.0
DR 116	Computer Application	C	18	2	2	4	34	60	6.0
Total Semester 1			**304**	**54**	**54**	**49**	**139**	**600**	**60.0**
Year 1: Semester 2									
Code	**Course title**	**CE**	**LH**	**TH**	**AH**	**IS**	**PH**	**Total**	**CU**
DR 121	Anatomy of Respiratory, Digestive and Urinary Systems	C	60	6	5	3	6	80	8.0
DR 122	Radiographic Equipment	C	40	6	7	7	40	100	10.0
DR 123	Introduction to Radiographic Techniques	C	36	7	7	7	73	130	13.0
DR 124	Medical Image Processing	C	40	6	6	6	8	66	6.6
DR 125	Ultrasound Physics, Knobology and Safety	C	28	6	5	1	40	80	8.0
DR 126	Clinical Rotation	C	**0**	**0**	**0**	**0**	**144**	**144**	**14.4**
Total Semester 2			204	31	30	24	311	600	60.0
Year 2: Semester 3									
Code	**Course title**	**CE**	**LH**	**TH**	**AH**	**IS**	**PH**	**Total**	**CU**
DR 231	Specialized Equipment	C	**34**	**9**	**10**	**9**	**28**	**90**	**9.0**
DR 232	Anatomy of Nervous, Reproductive, Endocrine and Special Senses	C	74	12	8	4	4	102	10.2
DR 233	Abdominal Pelvic Ultrasound	C	20	14	14	11	61	120	12.0
DR 234	Clinical Rotation	C	**0**	**14**	**0**	**0**	**274**	**288**	**28.8**
Total Semester 3			**128**	**49**	**32**	**24**	**367**	**600**	**60.0**
Year 2: Semester 4									
Code	**Course title**	**CE**	**LH**	**TH**	**AH**	**IS**	**PH**	**Total**	**CU**
DR 241	Specialized imaging Procedures	C	39	16	10	8	42	115	11.5
DR 242	Obstetric and Gynaecological Ultrasound	C	42	7	8	3	30	90	9.0
DR 243	Radiological pathology	C	44	12	12	6	36	110	11.0

DR 244	Clinical Rotation	C	0	12	6	2	265	285	28.5
Total Semester 4			**125**	**47**	**36**	**19**	**373**	**600**	**60.0**
Year 3: Semester 5									
Code	**Course title**	**CE**	**LH**	**TH**	**AH**	**IS**	**PH**	**Total**	**credits**
DR 351	Leadership and Management	C	32	8	8	8	4	60	6.0
DR 352	Introduction to Research Methodology	C	35	6	6	6	7	60	6.0
DR 353	Field Work	C	0	0	0	0	318	320	32.0
DR 354	Clinical Rotation	C	0	3	3	2	152	160	16.0
Total Semester 5			**67**	**17**	**17**	**16**	**481**	**600**	**60.0**
Year 3: Semester 6									
Code	**Course title**	**CE**	**LH**	**TH**	**AH**	**IS**	**PH**	**Total**	**Credits**
DR 361	Quality Assurance in Diagnostic Radiology	C	**22**	**22**	**22**	**19**	**19**	**104**	**10.4**
DR 362	Entrepreneurship	C	**44**	**7**	**8**	**1**	**0**	**60**	**6.0**
DR 363	Clinical Rotation	C	0	12	4	2	418	436	43.6
Total semester 6			**66**	**41**	**34**	**22**	**437**	**600**	**60.0**
Programme Hours and Credits								**3600**	**360**

KEY: C/E - Core (C) or Elective (E), LH-Lecture hours, TS-Tutorial/seminars hours, AH-Assignment hours, IS-Independent study hours, PH-Practical/Fieldwork/Clinical rotation hours, TH-Total hours

6.1 3 Diploma in HIV and AIDS Care

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

Programme Learning Outcomes

Upon successful completion of the Diploma programme in HIV and AIDS care student 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 workplace.
3. Apply counselling and clinical skills for caring for adults and children with HIV & AIDS, which consider the associated, sensitive gender and cultural issues.
4. Conduct needs assessments and writes 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.

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR THE DIPLOMA IN HIV AND AIDS CARE PROGRAMME.

Course Codes	Title of module	Lecture	Tutorial	Independent studies	Practical Training	Total Hours	Total Credits
Year 1: Semester 1							
DHA 101	Writing skills	2.5	0.5	1		40	4.0
DHA102	Community issues and needs assessment	4.99	1.01	1.5	16.5	240	24.0
Total Semester 1		**7.49**	**1.51**	**2.5**	**18**	**280**	**28.0**
Year 1: Semester 2							
DHA 103	Therapeutic Communication	3.49		1.01	16	205	20.5
DHA 104	Palliative care and rehabilitation	4.08	0.96	0.96	18	240	24.0
Total Semester 2		**7.57**	**5.04**	**1.97**	**34**	**445**	**44.5**
Year 2: Semester 3							
DHA 105	Anti-retroviral therapy	3	-	1.5	16	205	20.5
DHA 106	Child health and HIV & AIDS	2.5	2	-	13.5	180	18
Total Semester 3		**5.5**	**4.5**	**1.5**	**29.5**	**385**	**38.5**
Year 2: Semester 4							
DHA 107	Management Skills (Option 1)	2	2.5	-	11.5	160	16
DHA 108	Teaching skills (Option 2)	3	1	-	12	160	16
DHA 9	Project (Option 3)	4.1	-	2	18	240	24
Total Semester 4		**9.1**	**3.5**	**2**	**41.5**	**560**	**56.0**
Programme Hours and Credits						**1270**	**127.0**

6.1.3 Diploma in Occupational Therapy

Programme description

Occupational therapy is a client-cantered 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-year 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

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. Conduct health education activities at community level.

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR THE DIPLOMA IN OCCUPATIONAL THERAPY.

Course Code	Course Name	Lecture	Tutorial	Practical	Independent Study	Assignment	Total Hours	Credits
Year 1: Semester 1								
KDOTAN1101	Anatomy	2	1	-	0.25	1	74	7.4
KDOTPH1102	Physiology	2	0.5	-	0.5	1	72	7.2
KDOTSO1103	Sociology	2	0.5	-	0.5	0.6	66	6.6
KDOTPS1104	Psychology	2	0.5	-	0.5	0.6	66	6.6
KDOTCS1105	Clinical Science	2.8	-	-	0.5	0.5	75	7.5
KDOTPM1106	Practical Media	2	-	1	-	0.3	60	6
KDOTPC1107	Primary Health Care	2	0.5	-	0.5	0.6	66	6.6
KDOTFP1108	Foundation OT Practice	3.5	0.2	-	0.5	0.5	86	8.6
KDOTFV1109	Field Visits (I/2 Day)	-	-	2.2	-	-	35	2.3
Total Semester 1		**18.3**	**3.2**	**3.2**	**3.25**	**5.1**	**600**	**60.0**
Year 1: Semester 2								
KDOTAN2101	Anatomy	2.5	0.25	0.5	0.25	0.6	70	7.0
KDOTPH2102	Physiology	2.2	0.25	0.5	0.25	0.3	70	7.0
KDOTCS2103	Clinical Science	2.8	0	0	0.5	0.5	70	7.0
KDOTPM2104	Practical Media	1.0	0	2	0.3	0	60	6.0
KDOTFP2105	Foundation of OT Practice	3.0	0.5	0.2	0.5	0.5	60	6.0
KDOTAE2106	Adapting &Adaptive Equipment	1.7	0.3	2.5	0.3	0.2	80	8.0
KDOTC2107	Community	2.5	0.3	-	0.5	0.5	60	6.0
KDOTP2109	OT Applied to Paediatrics	1.8	0.1	1.5	0.1	0.2	60	6.0

KDOTFW211 0	Fieldwork (Observation)	-	0.3	3.7	0.2	0.4	70	4.6
Total Semester 2		**19.3**	**2.1**	**12.4**	**3**	**3.4**	**600**	**60.0**
Year 2: Semester 3								
KDOTFP2301	Foundation of OT Practice	2	**0.5**	-	0.3	0.5	60	6.0
KDOTC2302	Community	2	0.5	-	0.3	0.5	60	6.0
KDOTP233	OT Applied to Paediatrics	2	0.2	0.6	0.3	0.2	90	9.0
KDOTCSP204	OT Applied to Physical Dysfunction	2.5	0.2	-	0.3	0.3	60	6.0
KDOTPM2305	Practical Media	0.8	0.2	2	0.2	0.1	60	6.0
KDOTCSPSY20 6	Clinical Science Psychiatric Conditions	2.5	0.2	-	0.3	0.3	60	6.0
KDOTFW2307	Fieldwork (6 Weeks)	-	-	12.5	0.83	-	210	14.0
Total Semester 3		**11.8**	**1.8**	**15.1**	**1.18**	**2.3**	**600**	**60.0**
Year 2: Semester 4								
KDOTK2401	Kinesiology	2.5	-	-	0.5	0.33	60	6.0
KDOTRH2402	Research H	1	-	-	0.22	-	60	6.0
KDOTP2403	OT Applied to Paediatrics	2	0.17	0.5	0.5	0.33	63	6.3
KDOTPD2404	OT Applied to Physical Dysfunction	2.5	0.5	1	0.5	0.44	81	8.1
KDOTPSY240 5	OT Applied to Psychiatry	2	-	0.5	0.5	0.33	60	6.0
KDOT2406	Practical Media	1	0.2	1.5	0.5	0.4	66	6.6
KDOTFW2407	Fieldwork (6 Weeks)	-	-	12.5	0.83	-	210	14.0

Total semester 4		**11**	**0.87**	**16**	**3.55**	**1.83**	**600**	**60.0**
Year 3: Semester 5								
KDOTRH350 1	Research	4	2	-	4	-	200	20.0
KDOTRH350 2	Administration & Management						70	7.0
KDOTPD3502	OT App. Physical Dysfunction	2	-	0.5	0.5	0.33	30	6.0
KDOTP3503	OT Applied to Paediatrics	2	-	0.5	0.5	0.33	30	6.0
KDOTPSY3504	OT Applied to Psychiatry	2	-	0.5	0.5	0.33	60	6.0
KDTFW3505	Fieldwork (6 Weeks)	-	-	12.5	0.83	-	210	14.0
Total Semester 5		**10**	**2**	**16.4**	**6.33**	**0.99**	**600**	**6.0**
Year 3: Semester 6								
KDOTFW36 06	Fieldwork (6 Weeks)	-		12.5	0.83	-	210	14.0
KDOTFW36 07	Fieldwork Elective (6 Weeks)	-	-	12.5	0.83	-	210	14.0
KDOTPRPHDY3608	OT Applied to Physical Dysfunction Practical	-	-	0.8	-	-	60	6.0
KDOTPRPED3609	OT Applied to Paediatrics Practical	-	-	0.8	-	-	60	6.0
KDOTPRMH36010	OT Applied to Mental Health Practical	-	-	0.8	-	-	60	6.0
Total: Semester 6		**2**	**0.33**	**26.9**	**2.99**	**-**	**600**	**60.0**
Programme Hours and Credits							**3600**	**360.0**

6.1.4 Bachelor of Science in Health Laboratory

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 programme 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 bachelor's degree in health laboratory sciences of the KCMC University will be given to the student.

Programme learning outcomes

At the end of the programme the graduate will be able to: -

1. Demonstrate comprehensive knowledge of the principles, methods, and techniques used in medical laboratory practice,
2. Demonstrate understanding of biological, chemical, and physical foundations of laboratory tests, including diagnostic procedures and recognize the relevance and importance of laboratory science in clinical decision-making and patient care.
3. Apply laboratory skills safely and effectively, following ethical and legal standards.
4. Perform laboratory tests, interpret results, and demonstrate competence in handling, analysing, and documenting specimens; and operate and maintain laboratory equipment and instruments accurately and safely.

5. Analyze laboratory test results, identify inconsistencies, errors, or abnormalities, and propose solutions; use scientific reasoning to troubleshoot and resolve issues related to laboratory operations and tests; and evaluate diagnostic data critically to provide valid and reliable results in clinical settings.
6. Implement and manage laboratory quality control (QC) and quality assurance (QA) systems to ensure accurate and reliable results; understand and apply principles of laboratory accreditation, including good laboratory practices (GLP) and participate in continuous improvement of laboratory practices by identifying areas of improvement and applying evidence-based practices.
7. Conduct and interpret research in the field of medical laboratory science to contribute to knowledge development; apply research findings to improve laboratory techniques, patient care, and health outcomes; and develop the ability to design experiments and scientifically report research findings.
8. Uphold ethical standards and practice confidentiality in all laboratory procedures; demonstrate professionalism in interactions with patients, colleagues, and other healthcare providers and adhere to regulatory and ethical guidelines, ensuring patient and core workers' safety and well- being.
9. Communicate laboratory results and scientific information effectively to healthcare professionals, patients, and the public; develop written and verbal communication skills for effective documentation, reporting, and presenting laboratory findings and Work collaboratively in interdisciplinary teams, demonstrating effective interpersonal communication.
10. Demonstrate understanding of and apply health and safety regulations and protocols in the laboratory environment; maintain a clean, organized, and safe laboratory environment while minimizing the risk of contamination

or injury and implement appropriate infection control practices in the laboratory and patient handling.

11. Lead and manage laboratory teams effectively, ensuring efficient operation and adherence to quality standards; work collaboratively within multidisciplinary healthcare teams, contributing to patient care and decision-making processes; and develop the ability to mentor and train junior laboratory staff and students.
12. Recognize the importance of ongoing professional development and engage in continuous learning opportunities; stay updated with advancements in medical laboratory technology, techniques, and research and participate in professional organizations, conferences, and workshops to enhance knowledge and practice in the field.

NORMAL LEARNING MATRIX AND COURSE FOR THE BSc IN HEALTH LABORATORY SCIENCES PROGRAMME.

Course Code	Title of course	Course Status	Lecture	Tutorial	Assignment	Independent studies	Practical training	Total Hours	Total Credits
Year 1: Semester 1									
BC 111	Biochemistry	Core	55	15	20	10	50	150	15.0
AN 112	Anatomy	Core	55	15	15	10	35	130	13.0
CI 113	Communication and Information Technology	Core	35	5	5	5	30	80	8.0
SI 114	Laboratory Safety and Instrumentation	Core	44	15	7	4	50	120	12.0
DS 115	Development Studies	Core	30	10	10	5	5	60	6.0
FF 116	Foundation of Faith	Core	30	10	10	5	5	60	6.0
Total Semester 1			**249**	**70**	**67**	**39**	**175**	**600**	**60.0**
Year 1: Semester 2									

PH 121	Physiology	Core	55	15	15	10	35	130	13.0
MB122	Molecular Biology	Core	47	14	8	6	75	150	15.0
PA 123	Pathology	Core	40	10	10	10	30	100	10.0
IM 124	Immunology	Core	40	13	16	8	23	100	10.0
EP 125	Professionalism and Ethics in Health and Research	Core	29	11	11	7	2	60	6.0
GR126	Global Bio-risk Management	Core	24	12	9	7	8	60	6.0
Total Semester 2			**235**	**75**	**69**	**48**	**173**	**600**	**60.0**
Year 2: Semester 3									
PE 231	Medical Parasitology and Entomology	Core	53	14	20	9	54	150	15.0
CC 232	Clinical Chemistry	Core	26	8	8	2	36	80	8.0
HB 233	Medical Haematology	Core	31	9	8	6	26	80	8.0
HT 234	Basic Histotechnology	Core	28	10	7	3	32	80	8.0
MI 235	Medical Microbiology	Core	45	16	13	9	37	120	12.0
EB 236	Epidemiology and Biostatistics	Core	55	19	6	6	6	90	9.0
Total Semester 3			**238**	**76**	**62**	**35**	**191**	**600**	**60.0**
Year 2: Semester 4									
PE 241	Diagnostic Parasitology	Core	32	10	6	4	48	100	10.0
CC 242	Diagnostic Clinical Chemistry	Core	22	8	8	2	40	80	8.0
HB 243	Blood Transfusion	Core	33	7	7	3	50	100	10.0
HT 244	Advanced Histotechnology	Core	34	7	6	2	31	80	8.0
CT 245	Basic Cytotechnology	Core	24	9	5	4	38	80	8.0
MI 246	Diagnostic Microbiology and Immunology	Core	32	14	9	7	38	100	10.0
RM 247	Research Methodology	Core	23	5	4	2	26	60	6.0
Total Semester 4			**200**	**60**	**45**	**24**	**271**	**600**	**60.0**
Year 3: Semester 5									
QM 351	Laboratory Quality Management System	Core	40	12	10	3	35	100	10.0
RP 352	Research Proposal Development	Core	14	7	61	6	12	100	10.0

FT 353	Forensic Science and Toxicology	Core	35	8	6	3	28	80	8.0
BI 354	Bioinformatics	Core	38	11	6	5	20	80	8.0
LA 355	Laboratory Apprenticeship	Core	28	11	9	7	185	240	24.0
Total Semester 5			**155**	**49**	**92**	**24**	**280**	**600**	**60.0**
Year 3: Semester 6									
FP 361	Field Placement	Core	26	26	4	0	104	160	16
RP 362	Research Data collection, analysis, and Reporting	Core	5	11	7	0	142	165	16.5
DC 363	Diagnostic Clinical Chemistry Practice	Core	6	12	6	3	28	55	5.5
DH 364	Diagnostic Haematology and Blood Transfusion Practice	Core	10	5	5	5	30	55	5.5
DP 365	Diagnostic Parasitology Practice	Core	9	5	8	7	26	55	5.5
DM 366	Diagnostic Microbiology and Immunology Practice	Core	6	9	9	2	29	55	5.5
HC 367	Histotechnology and Cytotechnology Practice	Core	7	6	2	5	35	55	5.5
Total Semester 6			**69**	**74**	**41**	**22**	**394**	**600**	**60.0**
Programme Hours and Credits								**3600**	**360.0**

6.1.5 Bachelor of Science in Nursing

Programme description

This is a Four-year (In-service) or Four-year (Pre-service) undergraduate programme leading to the award of Bachelor of Bachelor of Science in Nursing (BSc N) degree of KCMC University. The programme is designed to educate and produce nurses who will be able to address contemporary and future needs of Tanzanians. From 2019/20 the BSc N programme was harmonized in the Country. Students admitted from 2020/21 are using the harmonized programme.

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 difference settings.

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR BSc IN NURSING PROGRAMME

Course Code	Title of Course	Core/Elective	Lectures	Tut/Seminars	Assignments	Ind Study	Practicals	Total Hrs.	Credits
Year 1 Semester 1									
NA 100	Gross Anatomy and Histology	Core	109	-	20	24	65	218	21.8
NB 100	Biochemistry and Molecular Biology	Core	100	25	20	20	90	255	25.5
NC 100	ICT & Communication skills	Core	30	-	16	28	34	108	10.8

PR 100	Professionalism & Ethics in Health and Research	Core	22	21	2	2	30	77	7.7
Total semester 1			**249**	**35**	**66**	**92**	**216**	**658**	**65.8**
Year 1: Semester 2									
PN 100	Physiology	Core	112	43	19	19	97	290	29.0
BN 100	Behavioural Sciences	Core	100	28	0	0	0	125	12.5
NP 100	Principles of Nursing	Core	47	46	21	17	112	243	24.3
Total Semester 2			**259**	**117**	**40**	**36**	**209**	**658**	**65.8**
Year 2: Semester 3									
MN 200	Microbiology & Immunology	Core	49	41	12	13	79	194	19.4
NP 200	Parasitology & Entomology	Core	61	15	15	30	30	151	15.1
EN 200	Biostatistics & Epidemiology	Core	70	45	18	12	60	205	20.5
HS 200	Health System and Development	Core	59	15	15	19	-	108	10.8
Total Semester 3			**304**	**55**	**57**	**70**	**172**	**658**	**65.8**
Year 2: Semester 4									
CC 200	Basic and Clinical Pharmacology	Core	88	55	20	20	33	216	21.6
ME 200	Leadership, Management & Entrepreneurship	Core	42	0	10	17	0	69	6.9
TN 200	Teaching and Learning in Clinical Practice	Core	20	20	4	4	51	99	9.9
CN 200	Community Health Nursing	Core	18	20	12	20	80	150	15.0

BN 200	Basic and Clinical Nutrition	Core	18	18	4	4	80	124	12.4
Total Semester 4			**186**	**113**	**50**	**65**	**244**	**658**	**65.8**
Year 3: Semester 5									
MS 300	Medical & Surgical Nursing	Core	88	83	33	36	418	658	65.8
Total Semester 5			**88**	**83**	**33**	**36**	**418**	**658**	**65.8**
Year 3: Semester 6									
MW 300	Midwife	Core	30	35	14	14	127	221	22.1
MH 300	Mental Health Nursing	Core	24	10	4	4	105	147	14.7
PN 300	Paediatrics Nursing	Core	30	25	15	15	130	215	21.5
RP 300	Research Proposal Development	Core	5	8	7	6	49	75	7.5
Total Semester 6			**89**	**78**	**40**	**40**	**411**	**658**	**65.8**
Year 4: Semester 7									
PN 400	Paediatrics Nursing Practice	Core	30	30	15	15	120	210	21.0
CF 400	Community health nursing Field	Core	4	10	8	9	179	210	21.0
MW 400	Midwifery Practice	Core	40	10	10	20	158	238	23.8
Total Semester 7			**74**	**50**	**33**	**44**	**477**	**658**	**65.8**
Year 4: Semester 8									
RR 400	Research Report Writing	Core	0	20	0	0	120	140	14.0
NF 400	Mental Health (Forensic Psychiatry Field)	Core	26	26	12	12	134	210	21.0
MS 400	Medical-surgical nursing practice	Core	8	8	4	8	280	308	30.8

Total Semester 8	**34**	**54**	**16**	**20**	**534**	**658**	**65.8**
Programme Hours and Credits						**5264**	**526.4**

6.1.6 Bachelor of Science in Physiotherapy

Programme Description

This programme runs under the School 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 to raise the standards of health care services.

Programme learning outcomes

Upon graduation the BSc Physiotherapy graduate of KCMC University will be able to: -

1. Demonstrate comprehensive knowledge of human anatomy, physiology, and pathology relevant to physiotherapy practice.
2. Assess and evaluate patients' physical conditions using appropriate assessment tools and techniques.
3. Develop and implement individualized treatment plans based on evidence-based practice.
4. Utilize a variety of therapeutic modalities and interventions effectively in clinical practice.
5. Communicate effectively with patients, families, and healthcare professionals.
6. Demonstrate leadership skills in managing patient care and collaborating with healthcare teams.
7. Advocate for patients' rights and promote health education within the community.
8. Engage in continuous professional development and lifelong learning.
9. Apply ethical principles and legal standards in physiotherapy practice.
10. Conduct research and critically appraise literature to

inform clinical practice.

NORMAL LEARNING MATRIX FOR AND COURSE MATRIX BSc IN PHYSIOTHERAPY PROGRAMME.

Course Code	Course name	Core/Elective	Lectures	Tut/Seminars	Assignments	Ind Study	Practicals	Total Hrs.	Credits
Year 1: Semester 1									
AN 111	Anatomy 1	Core	15	9	12	22	32	90	9.0
PG 112	Physiology 1	Core	22	7	12	19	30	90	9.0
MI 113	Microbiology & Immunology 1	Core	20	4	10	16	25	75	7.5
PE 114	Medical Parasitology & Entomology 1	Core	22	11	18	20	18	75	7.5
BC 115	Biochemistry 1	Core	17	9	16	22	8	72	7.2
IC 116	ICT & Communication Skills	Core	12	8	10	12	18	60	6.0
FF 117	Foundation of Faith	Elective	19	10	11	14	6	60	6.0
BS 118	Behavioural Science	Core	24	11	16	14	13	78	7.8
Total Semester 1			**157**	**64**	**105**	**138**	**150**	**600**	**60.0**
Year 1: Semester 2									
AN 121	Anatomy 2	Core	16	10	6	16	42	90	9.0
PG 122	Physiology 2	Core	28	17	17	22	6	90	9.0
MI 123	Microbiology & Immunology 2	Core	25	9	10	22	6	72	7.2
PE 124	Medical Parasitology & Entomology 2	Core	21	7	9	28	7	72	7.2
BC 125	Biochemistry 2	Core	21	9	9	26	7	72	7.2
PT 126	Pathology 1	Core	20	10	14	24	4	72	7.2
HD 127	Health System & Development	Core	24	10	10	13	3	60	6.0

PH 128	Public health	Core	10	6	8	14	34	72	7.2
Total Semester 2			**165**	**78**	**83**	**165**	**109**	**600**	**60**
Year 2: Semester 3									
BK 211	Biomechanics& Kinesiology	Core	30	10	10	14	26	90	9.0
PA 212	Physical Assessment 1	Core	18	6	9	14	25	72	7.2
PT 213	Pathology 2	Core	24	6	9	12	21	72	7.2
CS 214	Basic Clinical Skills	Core	28	7	7	12	26	80	8.0
PB 215	Basic Pharmacology	Core	30	8	11	12	15	76	7.6
PC 216	Paediatrics Conditions	Core	28	7	10	17	10	70	7.0
MC 217	Medical Conditions	Core	26	7	8	16	13	70	7.0
EB 218	Epidemiology & Biostatistics	Core	24	6	10	14	16	70	7.0
Total Semester 3			**208**	**57**	**74**	**111**	**152**	**600**	**60.0**
Year 2: Semester 4									
EL 221	Electrotherapy	Core	20	8	7	11	16	62	6.2
SM 222	Soft Tissue Manipulation	Core	11	9	6	10	24	60	6.0
SC 223	Surgical Conditions	Core	22	7	10	21	10	70	7.0
OC 224	Orthopaedics Conditions	Core	35	6	8	9	12	70	7.0
PA 225	Physical Assessment 2	Core	12	6	11	13	30	72	7.2
ET 226	Medical Exercise Therapy	Core	24	8	11	12	35	90	9.0
CF 227	Community Fieldwork	Core	0	0	0	0	100	100	10.0
EG 228	Ergonomics	Core	25	8	12	13	18	76	7.6
Total Semester 4			**149**	**52**	**65**	**89**	**245**	**600**	**60.0**
Year 3: Semester 5									
DI 311	Diagnostic Imaging	Core	20	8	9	8	15	60	6.0
RM 312	Research Methodology	Core	17	9	7	11	16	60	6.0

SP 313	Physiotherapy in Sports	Core	30	12	8	7	15	72	7.2
PP 314	Physiotherapy in paediatrics Conditions 1	Core	16	11	16	10	49	102	10.2
PS 315	Physiotherapy in Surgical Conditions 1	Core	16	11	16	10	49	102	10.2
PN 316	Physiotherapy in Neurological Conditions 1	Core	16	11	16	10	49	102	10.2
PM 317	Physiotherapy in Musculoskeletal Conditions 1	Core	16	11	16	10	49	102	10.2
Total Semester 5			**131**	**73**	**88**	**66**	**242**	**600**	**60.0**
Year 3: Semester 6,									
RP 321	Research Project	Core	6	7	3	6	30	60	6.0
ME 322	Management & Entrepreneurship	Core	16	6	6	12	0	40	4.0
PP 323	Physiotherapy in Paediatrics Conditions 2	Core	24	6	12	14	44	100	10.0
PS 324	Physiotherapy in Surgical Conditions 2	Core	24	6	12	14	44	100	10.0
PN 325	Physiotherapy in Neurological Conditions 2	Core	12	8	16	24	40	100	10.0
PM 326	Physiotherapy in Musculoskeletal Conditions 2	Core	24	6	12	14	44	100	10.0
PC 327	Physiotherapy in Cardiovascular & Respiratory Conditions 1	Core	24	6	12	14	44	100	10.0
Total Semester 6			**130**	**45**	**73**	**98**	**246**	**600**	**60.0**
Year 4: Semester 7									
MT 411	Fundamentals of Manual Therapy	Core	14	7	15	23	31	90	9.0

PM 412	Psychiatry & Mental Health	Core	12	12	7	19	10	60	6.0
RT 413	Rehabilitation and Assistive Technologies	Core	11	11	9	15	34	80	8.0
PC 414	Physiotherapy in Cardiovascular & Respiratory Conditions 2	Core	12	8	16	24	40	100	10.0
WH 415	Women Health	Core	14	12	15	17	12	70	7.0
EC 416	Elderly Care	Core	13	5	9	13	30	70	7.0
CF 417	Clinical Fieldwork	Core	0	10	0	0	120	130	13.0
Total Semester 7			**76**	**65**	**71**	**111**	**277**	**600**	**60.0**
Year 4: Semester 8									
PM 421	Physiotherapy in Musculoskeletal Conditions 3	Core	8	4	4	4	100	120	12.0
PP 422	Physiotherapy in Paediatrics Conditions 3	Core	8	4	4	4	100	120	12.0
PN 423	Physiotherapy in Neurological Conditions 3	Core	8	4	4	4	100	120	12.0
PC 424	Physiotherapy in Cardiovascular and Respiratory Conditions 3	Core	8	4	4	4	100	120	12.0
PS 425	Physiotherapy in Surgical Conditions 3	Core	8	4	4	4	100	120	12.0
Total Semester 8			**40**	**20**	**20**	**20**	**500**	**600**	**60.0**
Programme Hours and Credits								**4800**	**480.0**

*Behavioural sciences include psychology, sociology, ethics, and communication skills

6.1.7 Bachelor of Science in Prosthetics & Orthotics

Programme Description

The degree programme aims to produce Prosthetists/Orthotists who have the advanced knowledge and skills to meet the requirements of persons in need of mobility assistive devices in attaining an optimal quality of life. The increasing number of persons with disabilities due to the rise in population, lifestyle, road traffic accidents and diseases in Tanzania demands both human and non-human resources to serve the existing health care system in the country. The implementation of the P&O degree course will maximize the needs of human resource in the field of prosthetics and orthotics in the healthcare system. According to the Tanzania 2008 Disability Survey report, accessing and maintaining assistive devices is crucial in enhancing the activity levels of persons with disabilities. The United Republic of Tanzania in November 2009 ratified article 26 of the Convention on the Rights of Persons with Disabilities (2006) which obliges state parties to promote the availability, knowledge and use of assistive devices and technologies, designed for persons with disabilities, as they relate to habituation and rehabilitation. Graduates in prosthetics and orthotics will have knowledge, skills and competencies in clinical, research and evidence-based practice to serve persons with disabilities.

Programme learning outcomes

By the end of the Programme, graduates will be able to:

1. Demonstrate an understanding of comprehensive knowledge of prosthetic and orthotic principles, including the anatomy and physiology relevant to limb loss and deformities (K).
2. Conduct thorough assessments of patients to determine appropriate prosthetic and orthotic interventions based on individual needs (S).
3. Manufacture prosthetic and orthotic devices using appropriate materials and techniques, ensuring optimal

functionality and comfort (S).

4. Apply critical thinking and problem-solving skills to address challenges in prosthetic and orthotic practice (K).
5. Exhibit professionalism, ethical behaviour, and cultural competence in interactions with patients and healthcare teams (A).
6. Collaborate effectively with multidisciplinary teams to provide holistic care to patients with mobility disabilities (S).
7. Demonstrate an understanding of the latest technological advancements in prosthetics and orthotics, including CAD/CAM and 3D printing (K).
8. Communicate effectively with patients, families, and healthcare professionals, providing education and support throughout the care process (A).
9. Engage in continuous professional development and reflective practice to enhance personal and professional growth (S).
10. Adhere to safety protocols and infection control measures in all aspects of prosthetic and orthotic practice (K).

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR BSc IN PROSTHETICS & ORTHOTICS PROGRAMME

Year 1: Semester I									
Course Code	**Core/Elective**	**Core Course name**	**Lectures**	**Tut/Seminars**	**Assignments**	**Ind Study**	**Practicals**	**Total Hrs.**	**Credits**
Year 1: Semester 1									
AN 110	Core	Anatomy Level I	36	18	9	18	9	90	9.0
PH 110	Core	Physiology Level I	36	18	9	18	9	90	9.0

HS 100	Core	Health system and development	32	16	8	16	8	80	8.0
WMT 100	Core	Workshop and Material Technology	72	18	12	32	86	220	22.0
IC 100	Core	ICT & Communication Skills	24	12	6	12	6	60	6.0
CF 100	Elective	Foundation of Faith	24	12	6	12	6	60	6.0
Total Semester 1			**224**	**94**	**50**	**108**	**124**	**600**	**60.0**
Year 1: Semester 2									
AN 120	Core	Anatomy Level II	18	9	4	7	2	40	4.0
PH 120	Core	Physiology Level II	18	9	4	7	2	40	4.0
BI 110	Core	Biomechanics I	20	7	8	8	7	50	5.0
PA 110	Core	Pathology 1	24	10	8	10	8	60	6.0
PR 100	Core	Professionalism and Ethics in P&O Practice	18	9	4	7	2	40	4.0
OT 110	Core	Orthotic Science Theory I	50	20	10	30	0	110	11.0
OP 110	Core	Orthotic Science Practical I	5	15	15	5	220	260	26.0
Total Semester 2			**153**	**79**	**53**	**74**	**241**	**600**	**60.0**
Year 2: Semester 3									
MO 200	Core	Mobility and Mobility Aids	20	10	10	10	20	70	7.0
RS 200	Core	Rehabilitation Science	20	10	10	10	20	70	7.0
BI 220	Core	Biomechanics II	40	10	10	20	10	90	9.0
PT 210	Core	Prosthetic Science Theory I	50	20	10	30	0	110	11.0
PP 210	Core	Prosthetic Science Practical I	5	15	15	5	220	260	26.0
Total Semester 3			**135**	**65**	**55**	**75**	**270**	**600**	**60.0**
Year 2: Semester 4									
PA 220	Core	Pathology II	24	10	8	10	18	70	7.0

EB 200	Core	Epidemiology and Biostatistics	30	15	10	15	0	70	7.0
BI 230	Core	Biomechanics III	40	10	10	20	10	90	9.0
OT 220	Core	Orthotic Science Theory II	50	20	10	30	0	110	11.0
OP 220	Core	Orthotic Science Practical II	5	15	15	5	220	260	26.0
Total Semester 4			**149**	**70**	**53**	**80**	**248**	**600**	**60.0**
Year 3: Semester 5									
EB 300	Core	Entrepreneurship and Business Management in P&O	20	10	10	10	20	70	7.0
RM 310	Core	Research Methods Applied in P&O I	20	10	10	10	20	70	7.0
BI 340	Core	Biomechanics IV	40	10	10	20	10	90	9.0
PT 320	Core	Prosthetic Science Theory II	50	20	10	30	0	110	11.0
PP 320	Core	Prosthetic Science Practical II	5	15	15	5	220	260	26.0
Total Semester 5			**135**	**65**	**55**	**75**	**270**	**600**	**60.0**
Year 3: Semester 6									
BI 350	Core	Biomechanics V	20	7	8	8	7	50	5.0
FA 300	Core	Clinical Field Attachment	0	10	0	0	150	160	16.0
RM 320	Core	Research Methods Applied in P&O II	10	5	5	10	40	70	7.0
POT 300	Core	Prosthetics and Orthotics Science Theory I	40	20	10	20	0	90	9.0
POP 300	Core	Prosthetics and Orthotics Science Practical I	5	15	5	5	200	230	23.0
Total Semester 6			**75**	**57**	**28**	**43**	**457**	**600**	**60.0**
Year 4: Semester 7									
AN 430	Core	Anatomy Level III	30	10	6	10	4	60	6.0
PH 430	Core	Physiology Level III	30	10	6	10	4	60	6.0

BI 450	Core	Biomechanics VI	20	7	8	8	7	50	5.0
PA 200	Core	Principles of Pathology III	20	8	8	8	16	60	6.0
POT 400	Core	Prosthetics and Orthotic Science Theory II	50	20	10	30	0	110	11.0
POP 400	Core	Prosthetics and Orthotic Science Practical II	5	15	15	5	220	260	26.0
Total Semester 7			**155**	**70**	**53**	**71**	**251**	**600**	**60.0**
Year 4: Semester 8									
IP 400	Core	Internal Clinical Practice	0	5		5	150	160	16.0
RP 400	Core	Research project	0	5		45	150	200	20.0
OT 430	Core	Orthotic Science Theory III	20	10	10	20	0	60	6.0
OP 430	Core	Orthotic Science Practical III	5	10	6	5	154	180	18.0
Total Semester 8			**25**	**30**	**16**	**75**	**454**	**600**	**60.0**
Programme Hours and Credits			**1149**	**549**	**398**	**589**	**2115**	**4800**	**480**

6.1.8 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 graduates will be able to: -

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. Provide comprehensive eye care.
5. Plan and implement eye care programs in clinical/community settings.
6. Conduct research on eye care.

NORMAL LEARNING MATRIX AND COURSE FOR BSc IN OPTOMETRY PROGRAMME

Course Code	Course Name	Lecture Hours	Seminars and	Assignments	Independent Studies and	Practical	Total hours	Credits
Year 1: Semester 1								
BGA111	General Anatomy I	30	15	15	15		75	7.5
BAC112	Applied Chemistry	24	12	12	12		60	6.0
BGP113	General Physiology I	30	15	15	15		75	7.5
BMB114	Microbiology& immunology	30	15	15	15		75	7.5
BAM115	Applied Mathematics	36	18	18	18		90	9.0
BCS116	Computers Science	30	15	7.5	15	7.5	75	7.5
BIO117	Introduction to Optometry I	24	12	12	12		60	6.0
BDS118	Developmental Studies	24	12	12	12		60	6.0
BFF119	Foundation of Faith	24	12	12	12		60	6.0
Total Semester 1		**26**	**13**	**13**	**13**		**630**	**63.0**

Year 1: Semester 2							
BAP121	Applied Physics	26	13	13	13	65	6.5
BAB122	Applied Biochemistry	28	14	14	14	70	7.0
BPG123	Physical & Geometric Optics	36	18	18	18	90	9.0
BDO124	Dispensing Optics I	36	18	18	18	90	9.0
BET125	Ethics and professionalism	24	12	12	12	60	6.0
BGA126	General Anatomy I I	24	12	12	12	60	6.0
BGP127	General Physiology II	24	12	12	12	60	6.0

BPS128	Psychology	24	12	12	12	60	6.0
BIO129	Introduction to Optometry II	36	18	18	18	90	6.0
Total Semester 2						**645**	**64.5**

Year 2 Semester 3								
BOD231	Ocular Diseases	36	18	18	18		90	9.0
BCO232	Clinical Optometry Procedure	16	8	4	12	120	160	16.0
BGP233	General Pharmacology	24	12	6	18	-	60	6.0
BOO234	Ophthalmic Optics I	30	15	7.5	22.5		75	7.5
BOA235	Ocular Anatomy and Physiology I	30	15	7.5	22.5		75	7.5
BDO236	Dispensing Optics I I	20	0	0	0	60	80	8.0
Total Semester 3							**540**	**54.0**
Year 2 Semester 4								
BPO241	Physiological Optics	24	12	6	18		60	6.0
BEC242	Basic eye care Clinics	0	0	0	0	160	160	16.0
BLV243	Low Vision & Rehabilitation	24	12	6	18	60	120	12.0
BPH244	Public Health & Community Optometry	24	12	6	18	80	140	14.0
BOO245	Ophthalmic Optics II	30	15	7.5	22.5		75	7.5
BEB246	Epidemiology & Biostatistics	24	12	6	18		60	6.0
BOA247	Ocular Anatomy and Physiology II	24	12	6	18		60	6.0
Total Semester 4							**675**	**67.5**

Year 3 Semester 5								
BIE351	Intermediate Eye Care Clinics -	24	12	6	18		60	6.0
BBC352	Basic Contact Lenses	24	12	6	18	45	105	10.5
BAE353	Anterior Eye Diseases	24	12	6	18		60	6.0
BVP354	Visual Perception and Neurophysiology	24	12	6	18		60	6.0

BOM355	Ocular Motility and Binocular Vision	30	15	7.5	22.5	45	120	12.0
BOP356	General & Ocular Pharmacology	24	12	6	18		60	6.0
Total Semester 5							**465**	**46.5**
Year 3 Semester 6								
BCO361	Clinical Optometry Procedure –II	24	12	6	18	90	150	15.0
BACL362	Advanced Contact Lenses	18	9	4.5	13.5	45	90	9.0
BBV363	Binocular Vision Anomalies and Therapy	18	9	4.5	13.5	45	90	9.0
BPNE364	Posterior &Neurological eye diseases	36	18	9	27	-	90	9.0
BRM365	Research Methodology and Project design	18	9	4.5	13.5	45	90	9.0
BOE366	Occupational & Environmental Optometry	24	12	12	12		60	6.0
BALV367	Advanced Low Vision & Gerontology	12	6	3	9	45	75	7.5
BPE368	Primary Eye Care	30	15	7.5	22.5	45	120	12.0
Total Semester 6							**765**	**76.5**

Year 4 semester 7								
BCA471	Clinical case Analysis	24	12	12	12	-	60	6.0
BPA472	Paediatrics Optometry	24	12	6	18	45	105	10.5
BCM473	Clinical Medicine for optometry	24	12	6	18	-	60	6.0
BPM474	Practice Management and Jurisprudence	12	6	3	9	135	165	16.5
BOR475	Optometric research Project	0	0	0	0	240	240	24.0
Total Semester 7							**630**	**63.0**
Year 4 Semester 8								
BCO481	Clinical Optometry practice	12	6	3	9	90	120	12.0
BPP482	Paediatrics Optometry in clinical practice	12	6	3	9	90	120	12.0
BLP483	Low vision clinical practice	12	6	3	9	90	120	12.0
BCLP284	Contact Lens Practice	12	6	3	9	90	120	12.0

BDP485	Dispensing Optical practice	12	6	3	9	90	120	12.0
Total Semester 8							**600**	**60.0**
Programme hours and Credits							**4950**	**495.0**

6.1.9 Bachelor of Science in Occupational Therapy (BSc OT)

Programme description

The BSc OT is a four years programmes aimed at to producing occupational therapists who are competent to fulfil professional responsibilities in the following areas: patient/client care in various settings for different populations; education of patients/clients and occupational therapy students in professional courses; administration and management of occupational therapy programs, institutions and facilities; lifelong learning for personal and career development, health promotion; advocacy for the advancement of the profession; community service and development; and research.

Program Learning Outcomes

At the end of the programme the graduate will be able to: - 1. Train competent Occupational therapy professionals capable of working independently to render quality, patient-cantered, holistic occupation therapy to both patients and community. The Programme prepares occupational therapy officers who at the end of the programme will demonstrate the nine (9) core competency domains that reflect competencies for knowledge (K), Skills (S) and Attitude (A).

NORMAL LEARNING MATRIX FOR BSc OT PROGRAMME

Course code	Course Status	Course Title	Lectures Hrs.	Tutorials Hrs.	Assignment	Independent study	Practical Hrs.	Total Hrs.	Credits
Year 1: Semester I									
AN 110	Core	Anatomy Level I	36	18	9	18	9	90	9.0
PH 110	Core	Physiology Level I	36	18	9	18	9	90	9.0
MB 110	Core	Biomedical Sciences Level I	84	42	21	42	21	210	21.0
CS 110	Core	Clinical pathology Level I	36	18	9	18	9	90	9.0
IC 100	Core	ICT & Communication Skills	24	12	6	12	6	60	6.0
CF 100	Core	Foundation of Faith	24	12	6	12	6	60	6.0
Total Semester 1			**240**	**120**	**60**	**120**	**60**	**600**	**60.0**
Year 1: Semester 2									
AN 120	Core	Anatomy Level II	36	18	9	18	9	90	9.0
PH 120	Core	Physiology Level II	36	18	9	18	9	90	9.0
MB 120	Core	Biomedical Sciences Level II	80	40	20	40	20	200	20.0
CS 120	Core	Clinical pathology Level II	24	12	6	12	6	60	6.0
BS 100	Core	Behavioural Sciences	27.2	13.6	6.8	13.6	6.8	68	6.8
NF 100	Core	Fundamentals of Occupational therapy and First Aid	24	12	6	12	6	60	6.0
OF 100	Core	Foundation of OT Practice Level I	24	12	6	12	6	60	6.0
Total Semester 2			**251**	**126**	**62.8**	**126**	**62.8**	**628**	**62.8**
Year 2: Semester 3									
OP 200	Core	Public Health and Rehabilitation	40	20	10	20	10	100	10.0
OF 230	Core	Foundations of OT practice Level II	32	16	8	16	8	80	8.0

PM200	Core	Human movements studies	24	16	8	16	16	80	8.0
PP 200	Core	Advanced Clinical pathology in Paediatrics	36	18	9	18	9	90	9.0
MP 200	Core	Advanced Clinical pathology in Psychiatry	36	18	9	18	9	90	9.0
PR 200	Core	Professionalism and Ethics in occupational therapy practice	32	16	8	16	8	80	8.0
HS 200	Core	Health System and Development	32	16	8	16	8	80	8.0
Total Semester 3			**222**	**114**	**232**	**120**	**60**	**600**	**60.0**
Year 2: Semester 4									
PB 200	Core	Basic Pharmacology	25.6	12.8	6	12	6	64	6.4
OT 240	Core	Occupational therapy techniques Level I	18	14	7	9	28	70	7.0
ON 200	Core	Occupational therapy in neurology	19	14	7	10	28	70	7.0
OM 240	Core	Occupational therapy in mental health Level I	20	15.6	7.8	11	31.2	78	7.8
OP 240	Core	Occupational therapy in Paediatrics Level I	21	15.6	7.8	12	31.2	78	7.8
FW 240	Core	Field Placement Level I	-	24			216	240	24.0
Total Semester 4			**114**	**96**	**104**	**96**	**35.6**	**600**	**60.0**
Year 3 Semester 5									
OS 300	Core	muscular skeletal system	21.6	14.4	7.2	7.2	21.6	72	7.2
OM 350	Core	Occupational therapy in mental health Level II	25.2	16.8	8.4	8.4	25.2	84	8.4
OP 350	Core	Occupational therapy in Paediatrics Level II	25.2	16.8	8.4	8.4	25.2	84	8.4
EB 350	Core	Epidemiology and Biostatistics	24	12	6	12	6	60	6.0
OT 350	Core	Occupational therapy technique Level II	18	12	6	6	18	60	6.0
F350	Core	Field Placement Level II	0	24	0	0	216	240	24.0
Total Semester 5			**114**	**96**	**36**	**42**	**312**	**600**	**60.0**
Year 3: Semester 6									

OG 300	Core	Occupational therapy in Geriatrics	21.6	14.4	7.2	7.2	21.6	72	7.2
OM 360	Core	Occupational therapy in mental health Level III	21.6	14.4	7.2	7.2	21.6	72	7.2
OP 360	Core	Occupational therapy in Paediatrics Level III	21.6	14.4	7.2	7.2	21.6	72	7.2
RP 300	Core	Research Proposal Development	22.5	15	7.5	7.5	22.5	75	7.5
ME 300	Core	Health Service management, leadership, and Entrepreneurship	27.6	13.8	6.9	13.8	6.9	69	6.9
FW 360	Core	Field Placement III		24			216	240	24.0
Total Semester 6			**115**	**96**	**36**	**42.9**	**310**	**600**	**60.0**
Year 4: Semester 7									
OC 400	Core	Occupational therapy neurology, geriatric & muscular skeletal level I	18	12	6	6	18	60	6.0
OM 470	Core	Occupational therapy in mental health Level IV	18	12	6	6	18	60	6.0
OP 470	Core	Occupational therapy in Paediatrics Level IV	18	12	6	6	18	60	6.0
RA 400	Core	Research Data Analysis and Reporting		36		36	108	180	18.0
FW 470	Core	Field Placement IV		24			216	240	24.0
Total Semester 7			**54**	**96**	**18**	**54**	**378**	**600**	**60.0**
Year 4: Semester 8									
OS 480	Cor e	Occupational Therapy in neurology, geriatric & muscular skeletal system Level II	27	18	9	9	27	90	9.0
OM 480	Cor e	Occupational Therapy in mental health Level V	27	18	9	9	27	90	9.0
OP 480	Cor e	Occupational therapy in Paediatrics Level V	27	18	9	9	27	90	9.0
CP 400	Cor e	Community Project	9	18	9	18	36	90	9.0
FW 480	Cor e	Field elective placement		24			216	240	24.0
Total Semester 8			**90**	**96**	**36**	**45**	**333**	**600**	**60.0**
Programme Hours and Credits			**1189**	**840**	**342**	**598**	**1862**	**4800**	**480.0**

6.1.10 Doctor of Medicine (MD)

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 KCMC University 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 programme has been designed in such manner that a graduate physician would.

Program expected learning outcomes

By the end of this programme graduates 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. 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-sectorial relations to achieve prescribed goals.

5. Carry out self-evaluation Self-directed learning, updating one's 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. Write Research proposals and carry 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)

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR THE DOCTOR OF MEDICINE PROGRAMME.

Course Code	Course name	Core/ elective	Lectures (Hrs.)	Tutorial/ Seminar	Assig (Hrs.)	Ind. Study	Practical (Hrs.)	Total (Hrs.)	Credits
Year 1: Semester 1									
AN 100	Gross Anatomy and Histology	Core	109	-	20	24	65	218	21.8
BC 100	Biochemistry and Molecular Biology	Core	60	15	12	12	55	155	15.5
PH 100	Physiology	Core	60	-	10	10	20	100	10.0
IC 100	ICT &Communication skills	Core	25	-	13	23	34	95	9.5
CF 100	Foundation of faith	Elect.	10	-	5	5	-	20	2.0
PR 100	Professionalism & Ethics in Health and Research	Core	8	8	8	19	27	70	7.0
Total Semester 1			**249**	**35**	**66**	**92**	**217**	**658**	**65.8**
Year 1: Semester 2									
ED 100	Embryology and Dissection	Core	39	-	10	20	115	184	18.4
PH 100	Physiology	Core	114		19	19	38	190	19.0
BM 100	Biochemistry	Core	39	10	8	8	35	100	10.0
BS 100	Behavioural science	Core	100	25	-	-	-	125	12.5
CH 100	Introduction to Community Health	Core	24	23	6	6	-	59	5.9
Total Semester 2			**337**	**48**	**45**	**55**	**173**	**658**	**65.8**
Year 2: Semester 3									
MI 200	Microbiology/immunology	Core	94	-	9	9	82	194	19.4

PE 200	Parasitology & Entomology	Core	61	15	15	30	30	151	15.1
EB 200	Epidemiology & Biostatistics	Core	90	25	18	12	60	205	20.5
HS 200	Health Systems and Development	Core	59	15	15	19	-	108	10.8
Total Semester 3			**304**	**55**	**57**	**70**	**172**	**658**	**65.8**
Year 2: Semester 4									
CH 200	Community Health Practice	Core	-	9	0	4	57	70	7.0
CP 200	Basic and Clinical Pharmacology	Core	40	80	17	20	60	217	21.7
PA 200	Pathology	Core	168	28	-	14	61	271	27.1
PS 200	Psychopathology	Core	25	10	5	10	-	50	5.0
HB 200	Haematology and Blood Transfusion	Core	15	8	5	5	17	50	5.0
Total Semester 4			**250**	**134**	**27**	**59**	**188**	**658**	**65.8**
Year 3: Semester 5 (Junior Clerkship)									
IC 300	Clinical Practical Skills Training (CPST)	Core	8	-	13	14	65	100	10.0
MD 300	Management of Diseases	Core	266	-	46	97	46	455	45.5
OM 300	Occupational Medicine	Core	24	12	6	4	6	52	5.2
RP 300	Research Proposal Development	Core	10	10	5	5	21	51	5.1
Total Semester 5			**377**	**20**	**51**	**134**	**76**	**658**	**65.8**
Year 3: Semester 6 (Junior Clerkship)									
PR 300	Professionalism and Ethics in Medical Practice	Core	12	12	24	24	65	137	13.7
CD 300	Communicable and Non-Communicable Diseases Control	Core	140	70	35	35	72	352	35.2
ME 300	Management and Entrepreneurship	Core	42	-	10	17	0	69	6.9
RA 300	Research Data analysis and Reporting	Core	20	20	10	10	40	100	10.0
Total Semester 6			**202**	**88**	**64**	**64**	**230**	**658**	**65.8**
Year 4: Semester 7 (Senior Clerkship)									

PY 400	Psychiatry and Mental Health	Core	7	19	9	9	50	94	9.4
AC 400	Anaesthesiology and Critical care Medicine	Core	7	19	9	9	50	94	9.4
OP 400	Ophthalmology	Core	7	19	9	9	50	94	9.4
RD 400	Radiology and Imaging	Core	7	19	9	9	50	94	9.4
EM 400	Emergency Medicine	Core	7	19	9	9	50	94	9.4
OL 400	Otorhinolaryngology	Core	7	19	9	9	50	94	9.4
OT 400	Orthopaedics, Traumatology and Neurosurgery	Core	7	19	9	9	50	94	9.4
Total Semester 7			**49**	**133**	**63**	**63**	**350**	**658**	**65.8**
Year 4: Semester 8 (Senior Clerkship)									
DM 400	Community health (DMO)	Cor e	30	10	10	20	60	130	13.0
SU 400	Surgery	Cor e	10	27	13	13	71	134	13.4
IM 400	Medicine	Cor e	10	27	13	13	71	134	13.4
OG 400	Obstetric s and Gynaecology	Cor e	9	26	13	13	69	130	13.0
PC 400	Paediatrics and Child Health	Cor e	9	26	13	13	69	130	13.0
Total Semester 8			**68**	**116**	**62**	**72**	**340**	**658**	**65.8**
Year 5: Semester 9 (Senior Clerkship)									
SU 500	General Surgery	Core	26	66	33	33	171	329	32.9
OG 500	Obstetrics and Gynaecology	Core	26	66	33	33	171	329	32.9
Total Semester 9			**52**	**132**	**66**	**66**	**342**	**658**	**65.8**
Year 5: semester 10 (Senior Clerkship)									
PC 500	Paediatrics and Child Health	Core	26	66	33	33	171	329	24.2
IM 500	Internal Medicine	Core	26	66	33	33	171	329	24.2
Total Semester 10			**52**	**132**	**66**	**66**	**342**	**658**	**65.8**
Programme Hours and Credits								**6580**	**658.0**

6.2 Postgraduate Programmes

Postgraduate training at KCMC University 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.

6.2.1 Master Programmes

6.2.1.1 Master of Public Health (MPH) Programme

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 KCMC University.

Programme Learning Outcomes (PLOs)

Upon successful completion of the MPH Programme, graduates will be able to: -

1. Demonstrate the ability to critically analyze public health issues using quantitative and qualitative data and apply epidemiological principles to assess health trends and outcomes.
2. Develop, implement, and evaluate effective public health Programmes and interventions that address specific health

needs of populations.

3. Effectively communicate public health information to diverse audiences through written, oral, and digital formats, utilizing appropriate communication strategies.
4. Utilize appropriate research methods and statistical tools to conduct public health research, interpret findings, and apply results to inform policy and practice.
5. Demonstrate knowledge of health systems, policies, and regulations, and their impact on public health practice and health outcomes.
6. Advocate for health equity and social justice by identifying and addressing social determinants of health and disparities in health outcomes.
7. Work effectively in interdisciplinary teams to address complex public health challenges, demonstrating leadership and teamwork skills.
8. Engage with communities and stakeholders to assess health needs, promote health education, and implement culturally competent public health initiatives.

NORMAL LEARNING MATRIX FOR MASTER OF PUBLIC HEALTH PROGRAMME.

SEMESTER 1, YEAR 1									
Code	**Course Name**	**Core or Elective**	**Lecture**	**Tutorial/Seminars**	**Assignment**	**Independent studies**	**Practical**	**Hours**	**Credits**
Year 1: Semester 1									
GH 611	Introduction to Global Health	Core	3	16	14	15	12	60	6.0

EP 612	Applied Epidemiology	Core	4	20	20	20	36	100	10.0
IB 613	Applied Biostatistics	Core	4	20	20	20	36	100	10.0
LM 614	Leadership and Management in Public Health	Core	3	14	14	15	14	60	6.0
TM 6115	Teaching and Learning Methods	Core	3	14	14	15	14	60	6.0
BE616	Bioethics	Core	3	14	14	15	14	60	6.0
ED 617	Epidemiology of CD & NCD	Core	6	28	28	30	28	120	12.0
AD 618	Advanced study designs	Core	4	20	20	36	40	120	12.0
SH 619	Sociology of Health and Illness	Core	4	12	12	12	10	50	5.0
PH 699.1	Proposal development	Core	4	12	32	37	35	120	12.0
Total Semester 1			**38**	**170**	**188**	**215**	**239**	**850**	**85.0**
Year 1: Semester 2									
SR 621	Sexual and Reproductive Health (SRH)	Core	3	14	14	15	14	60	6.0
EH 622	Environ mental Health	Core	3	14	14	15	14	60	6.0
HP 623	Health Promotion (HP)	Core	3	14	14	15	14	60	6.0
SP 624	Health Systems & Health Policy and Planning	Core	3	14	14	15	14	60	6.0
EF 625	Health Economics and Health Care Financing	Core	3	14	14	15	14	60	6.0
ME 626	Monitoring & Evaluation of Health Programmes	Core	3	14	14	15	14	60	6.0
SU 627	Disease s Surveillance i n Public Health	Core	3	14	14	15	14	60	6.0
DS 699.2	Data collection Analysis and Report writing	Core	10	40	20	260	200	530	53.0
Total Semester 2			**31**	**138**	**118**	**365**	**298**	**950**	**95.0**
Programme Hours and Credits			**69**	**308**	**306**	**580**	**537**	**1800**	**180.0**

6.2.1.2 Master of Science in Clinical Research

Programme description

The MSc CR is designed to equip students with the core competencies necessary to conduct high-quality, ethical, and impactful clinical research. Grounded in a competency-based framework, the program emphasizes the integration of scientific rigor, ethical principles, and interdisciplinary collaboration to address global health challenges. Through hands-on training, mentorship, and real-world research engagement, graduates develop proficiency in study design, data analysis, regulatory compliance, and effective communication of research findings. This approach ensures that students not only acquire theoretical knowledge but also demonstrate the practical skills and professional behaviours required to lead and contribute to advancements in clinical research and evidence-based healthcare.

Programme Learning outcomes (PLOs).

At the end of this programme graduates will be able to: -

1. Demonstrate comprehensive knowledge on cutting-edge technologies in global health and biomedical sciences to address health challenges that impede socio-economic development in the community.
2. Develop proficiency in designing, implementing, and reporting clinical research, for effectively communicate scientific findings to both specialized and non-specialized audiences.
3. Qualify for higher education opportunities (e.g., PhD programs) by demonstrating advanced competencies in clinical research methodologies and critical thinking.
4. Formulate competitive grant proposals as Principal Investigators by applying research skills, problem-solving strategies, and scientific writing techniques.
5. Demonstrate leadership and teamwork skills necessary for effective collaboration in multidisciplinary research settings,

including academia and healthcare.

6. Engage in continuous professional development by critically appraising scientific literature, adopting new research methodologies, and staying updated with emerging trends in clinical trials and global health.
7. Engage communities in clinical research by fostering trust, transparency, and collaboration to enhance research participation, relevance, and impact on public health.

NORMAL LEARNING MATRIX FOR MSc IN CLINICAL RESEARCH PROGRAMME.

Course code	Course name	Core or Elective	Lecture	Seminar	Assignment	Independent studies	Practical	Hours	Credit
Year 1: Semester 1									
GH 611	Introduction to Global Health	core	3	16	14	15	12	60	6.0
EP 612	Applied Epidemiology	core	4	20	20	36	40	120	12.0
IB 613	Applied Biostatistics	core	4	20	20	36	40	120	12.0
LM 614	Leadership and Management in Public Health	core	3	14	14	15	14	60	6.0
TM 615	Teaching and Learning Methods	core	3	14	14	15	14	60	6.0
BE 616	Bioethics	core	4	12	18	25	21	80	8.0
ED 617	Epidemiology of CD & NCD	core	6	28	28	30	28	120	12.0
AD 618	Advanced Study Designs	core	4	20	20	36	40	120	12.0
IM 619	Implementation Science	Core	3	14	14	14	15	60	6.0
Total Semester 1								**800**	**80.0**
Year 1: Semester 2									
SP 621	Disease Screening in Public Health	core	3	14	14	15	14	60	6.0
CR 622	Clinical Microbiology	core	5	15	45	50	5	120	12.0
CM 623	Cellular and Molecular Immunology and Biology	core	3	20	33	40	4	100	10.0

DM 624	Data Management and Statistical Computing	core	0	20	24	36	40	120	12.0
DC 625	Design and Conduct of Clinical Trials (drugs and medical devices)	core	3	29	40	33	15	120	12.0
LT 626	Basics of Laboratory Techniques	core	3	22	30	25	40	120	12.0
DS 699.1	Proposal Development	Core	5	15	10	80	50	160	16.0
Total Semester 2								**800**	**80.0**
Year 2: Semester 3									
CP 631	Clinical Pharmacology and Pharma Medicine	core	8	26	56	60	10	160	16.0
AC 632	Analysis of Clinical Trials I	core	6	15	32	53	74	180	18.0
AC 633	Analysis of Clinical Trial II	core	9	23	42	52	54	180	18.0
SR 634	Systematic Review and Meta-analysis	core	4	8	32	26	50	12	12.0
DS 699.2	Data collection and Data Analysis	core	5	15	10	80	50	160	16.0
Total Semester 3								**800**	**80.0**
Year 2: Semester 4									
FA 641	Field Attachment	core	0	0	100	100	120	320	32.0
DS 699.3	Report writing & Dissertation Submission	core	0	60	20	200	200	480	48.0
Total Semester 4								**800**	**80.0**
Programme Hours and Credits								**3200**	**320.0-**

6.2.1.3 Master of Science in MIM with Molecular Biology

Programme Description

The Master of Science in Medical Microbiology and Immunology with Molecular Biology (MSc MMIM) programme aims to train scientists with specialized knowledge and practical expertise to advance medical diagnostics, research, and biomedical innovation

Programme Learning outcomes (PLOs).

By the end of the programme, graduates will be able to:

1. Demonstrate comprehensive scientific knowledge and research techniques by successfully conducting

independent and collaborative research in medical microbiology, immunology, and molecular biology, contributing to advancements in healthcare and biomedical sciences.

2. Develop and implement standard operating procedures (SOPs) for quality control (QC) and quality assurance (QA) in medical, research, academic, and industrial laboratories, ensuring compliance with international standards.
3. Apply acquired knowledge and laboratory skills to diagnose infectious diseases, improve public health outcomes, and address community health challenges through innovative and evidence-based solutions.
4. Secure competitive research funding by developing grant proposals as Principal Investigators (PIs) or co-PIs, contributing to scientific advancements at national and international levels.
5. Pursue further academic and professional development by successfully enrolling in PhD programs or specialized career tracks in medical microbiology, immunology, and molecular biology.
6. Uphold ethical standards and demonstrate cultural sensitivity in professional practice, research, and patient interactions, ensuring responsible and community-cantered scientific engagement.
7. Exhibit leadership and managerial competencies by effectively supervising laboratory teams, improving healthcare services, and mentoring future scientists to strengthen medical research and diagnostics.

NORMAL LEARNING MATRIX FOR MSc MIM PROGRAMME

Course Code	Course Name	Core /Elective	Lectures Hrs.	Seminars Hrs.	Assignment Hrs.	Independent studies	Practical Hrs.	Total Hrs.	Credits
Year 1: Semester 1									
ER 601	Epidemiology, Biostatistics and Research Methodology	Core	0	24	30	30	36	120	12.0
ML601	Research Management and Leadership	Core	15	10	10	15	10	60	6.0
TM601	Teaching and Learning Methods	Core	18	17	8	4	13	60	6.0
MM 601	Basic Microbiology	Core	5	30	15	15	25	90	9.0
MI 601	Basic Immunology	Core	5	30	15	15	25	90	9.0
MB 601	Basic Molecular Biology	Core	5	30	15	15	25	90	9.0
PP 601	Basics of GCP and GCLP	Core	10	10	15	20	25	80	8.0
MM 602	Parasitesand parasitic infections	Core	10	30	15	15	25	90	9.0
MM 603	Systematic Bacteriology	Core	14	36	20	20	30	120	12.0
Total Semester 1			**82**	**217**	**143**	**149**	**214**	**800**	**80.0**
Year 1: Semester 2									
MM 604	Advanced Medical Bacteriology	Core	11	26	17	16	30	100	10.0
MM 605	Advanced Medical Virology	Core	14	29	18	13	26	100	10.0
MM 606	Microbial Genetics	Core	10	20	10	30	10	80	8.0
MI 603	Immunogenetics	Core	10	20	10	30	10	80	8.0

MB 602	Molecular Biology	Core	10	40	20	10	20	100	10.0
GB 601	Introduction to Genomics and Bioinformatics	Core	10	10	10	20	30	80	8.0
DS 602	Data Management and Statistical Computing	Core	0	20	20	30	30	100	10.0
MI 699.1	Proposal Development	Core	5	15	10	80	50	160	16.0
Total Semester 2			**70**	**180**	**115**	**229**	**206**	**800**	**80.0**
Year 2: Semester 3									
MI 602	Cellular and Molecular Immunology	Cor e	10	40	20	10	20	100	10.0
MM 607	Techniques in Medical Microbiology	Cor e	10	40	10	20	100	180	18.0
MI 604	Immunology Techniques and Immunodiagnostics	Cor e	10	40	10	20	100	180	18.0
MB 603	Techniques in Molecular Biology	Cor e	10	40	10	20	100	180	18.0
MI 699.2	Data Collection &Data Analysis	Cor e	5	15	10	80	50	160	16.0
Total Semester 3			**45**	**135**	**60**	**150**	**370**	**800**	**80.0**
Year 2: Semester 4									
FA 60 1	Practical Field Attachment	Cor e	0	20	10	40	250	320	32.0
MI 699.3	Report Writing & Dissemination Submission	Cor e	0	60	20	200	200	480	48.0
Total Semester 4			**0**	**60**	**30**	**240**	**450**	**800**	**80.0**
Programme Hours and Credits								**3200**	**320.0**

6.2.1.4 Master of Science in Epidemiology and Applied Biostatistics

Programme Description

This course is designed to cover the basic and advanced concepts of epidemiology and many advanced techniques in biostatistics. Therefore, the course train personnel who can and

competent in analysing and interpreting data. The course aims to equip graduates with advanced knowledge in epidemiology and biostatistics and that have latest skills in analytical epidemiology and biostatistics.

Programme Learning outcomes (PLOs).

At the end of the programme, graduates 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 analyze data.
2. Apply state-of-the-art statistical software to conduct statistical analyses.
3. Analyze medical literature research findings to make appropriate decisions.
4. Design and carry out different types of epidemiological studies independently or in collaboration.
5. Critically appraise different types of studies (cross-sectional, case- control, cohort, clinical trials, and systematic review)
6. Translate the data analyses output into public health implications, proposed areas, and directions of further research.
7. Provide epidemiologic and statistical advice to other researchers from different disciplines.
8. Advance to higher education, especially PhD and later postdoctoral studies.

NORMAL LEARNING MATRIX FOR MSc EPIDEMIOLOGY AND APPLIED BIOSTATISTICS PROGRAMME

Course code	Course name	Core or Elective	Lecture	Seminar	Assignment	Independent studies	Practical	Hours	Credit
Year 1: Semester 1									

GH 611	Introduction to Global Health	core	3	16	14	15	12	60	6.0
EP 612	Applied Epidemiology	core	4	20	30	30	36	120	12.0
IB 613	Applied Biostatistics	core	4	20	20	30	36	120	12.0
LM 614	Leadership and Management in Public Health	core	3	14	14	15	14	60	6.0
TM 615	Teaching and Learning Methods	core	3	14	14	15	14	60	6.0
BE 616	Bioethics	core	3	14	24	25	14	80	8.0
ED 617	Epidemiology of Communicable and Non-communicable Diseases	core	6	28	28	30	28	120	12.0
AD 618	Advanced Study Designs	core	4	20	30	30	36	120	12.0
IM 619	Implementation Science	core	3	14	14	15	14	60	6.0
Total Semester 1			**3**	**0**	**198**	**205**	**204**	**800**	**80.0**
Year 1: Semester 2									
SP 621	Disease Screening in Public Health	Core	3	14	24	15	24	80	8.0
SU 622	Public Health Surveillance	Core	3	14	14	15	14	60	6.0
ME 623	Monitoring and Evaluation	Core	3	14	14	15	14	60	6.0
DM 624	Data Management and Statistical Computing	Core	0	28	28	30	34	120	12.0
LI 625	Applied Linear Regression	Core	6	28	28	30	28	120	12.0
LR 626	Applied Logistic Regression	Core	6	28	28	30	28	120	12.0
SM 627	Survey Methods	Core	3	14	24	15	24	80	8.0
DS 699.1	Dissertation	Core	5	15	10	80	50	160	16.0
Total Semester 2			**29**	**155**	**170**	**230**	**216**	**800**	**80.0**
Year 2: Semester 3									
ML 631	Multi-level Models	Core	6	28	28	30	28	120	12.0

SA 632	Survival Analysis	Core	6	28	28	30	28	120	12.0
PM 633	Introduction to Probability and Estimation Methods	Core	3	14	14	15	14	60	6.0
LD 634	Longitudinal Data Analysis	Core	4	20	20	20	36	100	10.0
DC 635	Data Science	Core	6	28	28	30	28	120	12.0
PC 636	Advanced Strategies of Analysis and PCA	Core	6	28	28	30	28	120	12.0
DS 699.2	Dissertation	Core	5	15	10	80	50	160	16.0
Total Semester 3			**36**	**161**	**156**	**110**	**3212**	**800**	**80.0**
Year 2: Semester 4									
FA 641	Field Attachment	Core	0	0	100	100	120	320	32.0
DS 699.2	Dissertation	Core	0	60	20	200	200	480	48.0
Total Semester 4			**0**	**60**	**120**	**300**	**320**	**800**	**80.0**
Programme Hrs. and Credits								**3600**	**360.0**

6.2.1.5 Master of Science in Medical Parasitology and Entomology

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 KCMC University

Programme Learning outcomes (PLOs).

By the end of this programme, graduates will 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. Apply methods available for chemotherapy, control, and prevention of parasitic infections.
5. Apply statistical methods and interpret epidemiological data of major parasitic infections.

NORMAL LEARNING MATRIX FOR MSc MEDICAL PARASITOLOGY AND ENTOMOLOGY PROGRAMME

Course Code	Course/Module Title	Lectures	Tutorial	Independent studies	Practical	Total hours	Total Credit
Year 1: Semester 1– Foundation Courses							
AH 111	Introduction to GH	20	-	40	-	60	6.0
AH 112	Biostatistics	56	-	24		80	8.0
AH 113	Epidemiology	56	-	24		80	8.0
AH 104	Research Methodology			40	10	60	60.0
AH 115	Research management and Leadership	20	-	30	20	60	6.0
Total Semester 1						**340**	**34.0**
Year 1: Semester 2:							
AH 121	Molecular Biology	15	25	45	15	100	10.0
AH 122	Immunology	10.5	17.5	31.5	10.5	70	7.0
AH 123	Environmental Health	20	-	30	20	60	6.0
AH 124	Systematics, parasite-vector parasite interactions	10	20	40	10	80	8.0
AH 125	External Morphology	20	-	30	20	60	6.0
AH 126	Internal Morphology	20	-	30	20	60	6.0

Total Semester 2						**430**	**43.0**
Year 2: Semester 3							
AH 231	Insect Physiology	20	-	30	20	60	6.0
AH 232	Dipterans	15	20	40	15	90	90.0
AH 233	Non-Dipterans		17.5	31.5	10.5	70	7.0
AH 234	Field & Lab Techniques		17.5	31.5	10.5	70	7.0
AH 235	Blood Protozoa	10	20	40	20	90	9.0
AH 236	Non-Blood protozoa	20	-	30	20	60	6.0
AH 237	Cestodes	20	-	30	20	60	6.0
AH 238	Trematodes	20	-	30	20	60	6.0
AH 239	Nematodes		20	40	20	80	8.0
AH 699.1	Research Proposal		20	-	80	100	10.0
Total Semester 3						**740**	**74.0**
Year 2 Semester 4: Dissertation							
BE 699.2	Data collection and Analysis	50	50	-	300	400	40.0
BE 699.3	Manuscript preparation	-	-	20	20	40	4.0
Total Semester 4						**440**	**44.0**
Programme Hours and Credits						**1520**	**152.0**

6.2.1.6 Master of Science in Urology

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.

Programme Learning outcomes (PLOs).

By the end of this programme graduates will be able to: -

1. Assume a consultant's role in the specialty.
2. Demonstrate proficiency in the theoretical basis of the specialty, including its foundations in the basic medical sciences and research.

3. Employ pertinent methods of prioritization, assessment, intervention and further management of patients to the point of transfer.
4. Perform procedural, surgical and pharmacotherapeutic interventions are central to these abilities.
5. Demonstrate organizational skills in urological management and disaster management, and the ability to interface with and play a leadership role in the development.
6. Demonstrate the requisite knowledge, skills and attitudes for effective patient-cantered care and service to a diverse population.

NORMAL LEARNING MATRIX FOR MSc UROLOGY PROGRAMME.

Course Code	Course Name	Tutorial/seminar	Assignments	Independent studies	Practical Training	Total hours	Total Credit
Year 1: Semester 1							
CW 611	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures	5	45	60	115	225	22.5
BU 612	Basics of Urology 1	9	81	80	405	575	57.5
Total		**14**	**126**	**140**	**520**	**800**	**80.0**
Year 1: Semester 2							
CW 621	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures	10	50	40	100	200	20.0
US 622	Urology Specialties 1	25	55	140	325	560	56.0
DU 623.1	Publication of at least one case report as first author	2	3	5	30	40	4.0

	Total	**37**	**108**	**185**	**455**	**800**	**80.0**
	Semester 3, Year 2						
CW 631	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures	50	25	75	110	260	26.0
US 632	Urology specialties 2	42	190	103	175	510	51.0
CR 632.2	Publication of at least one case report as first author			15	15	30	3.0
	Total	**92**	**92**	**193**	**300**	**800**	**80.0**
Semester 4, Year 2							
CW 641	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures	0	45	50	275	270	27.0
US 642	Urology Specialties 3	77	56	68	329	530	53.0
Total		**77**	**101**	**118**	**604**	**800**	**80.0**
Total						**3200**	**320.0**

6.2.1.7 Master of Science in Anatomy and Neuroscience

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 can produce high-quality research and other scholarly work necessary for promotion and tenure.

Programme Learning outcomes (PLOs).

By the end of this programme graduates will be able to: -

1. Describe in detail the embryology, histology, and gross organization of the 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.

NORMAL LEARNING MATRIX FOR MSc ANATOMY PROGRAMME

Course Codes	Course/Module Title	Lecture	Tutorial	Independent	Practical	Total	Total Credits
Year 1: Semester 1							
NA 101	Introduction to Global Health	20	-	40	-	60	6.0
AH 102	Biostatistics	56	-	24		80	8.0
AH 103	Epidemiology	56	-	24		80	8.0
AH 104	Research Methodology	0		40	10	60	6.0
AH 105	Research management and	20	-	30	20	60	6.0

	leadership						
CMB 501	Advanced cell structure and biology	20	20	40	-	80	8.0
EM 500	Education methods and evaluation	30	-	20	50	100	10.0
Total Semester 1		**202**	**20**	**218**	**70**	**520**	**52.0**
Year 1: Semester 2							
SA 502	Functional human anatomy 1	60	20	-	70	150	15.0
HES 501	Systemic human embryology	30	20	40	0	90	9.0
HTC 601	Microscopy and histotechnology	15	15	15	15	60	6.0
ALT 501	Applied anatomy laboratory technology	30	10	20	40	100	10.0
HHS 501	Systemic human histology	10	15	10	25	60	6.0
NS 501	Brain anatomy and functional neuroscience	15	0	15	30	60	6.0
Total Semester 2		**160**	**80**	**100**	**180**	**520**	**52.0**
Year 2: Semester 3							
ME 601	Molecular embryology and tissue culture	20	10	20	30	80	8.0
AN 699.1	Proposal development	-	20	-	80	100	10.0
Total Semester 3		**20**	**30**	**20**	**110**	**180**	**18.0**
Year 2: Semester 4							
HD 601	Human development and genetics	20	20	40	-	80	8.0
MT 601	Microbiology and Biotechnology	10	14	30	10	60	6.0
BR 601	Data collection and analysis	15	10	25	10	60	6.0
AN699.2	Dissertation	50	50	-	300	400	40.0
AN699.3	Manuscript preparation	-	-	-	40	40	4.0
Total Semester 4		**95**	**94**	**95**	**360**	**640**	**64.0**
Programme Hours and Credits						**1860**	**186.0**

6.2.1.8 Master of Science in Midwifery Programme

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.

Programme Learning outcomes (PLOs).

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

1. Provide comprehensive, evidence-based, and person-cantered midwifery care across the continuum of pregnancy, childbirth, postpartum, and newborn care, with a focus on high-risk cases.
2. Conduct diagnostic measures using ultrasound machines to assess pregnant women, identifying both low and high-risk pregnancies, and implementing early intervention strategies.
3. Diagnose obstetric emergencies based on evidence-based criteria and perform lifesaving procedures e.g. manual removal of the placenta.
4. Manage both normal neonates and those with complications, applying appropriate clinical decision-making strategies in neonatal emergency care, and critically evaluating their effectiveness.
5. Integrate leadership in midwifery practice, policy

development, and health systems strengthening by advocating for maternal and neonatal health improvements at local, national, and global levels.

6. Incorporate simulation-based education in learning and teaching midwifery to train students and healthcare professionals in clinical and simulation laboratory.
7. Conduct independent research to generate new knowledge, evaluate midwifery practices, and contribute to the advancement of maternal and neonatal health through scientific inquiry.
8. Work effectively within interdisciplinary healthcare teams to promote respectful maternity care (RMC), improve maternal and newborn health outcomes.
9. Evaluate maternal and newborn health policies and programs, integrating principles of health informatics, quality improvement, and resource optimization to enhance healthcare systems.
10. Provide culturally responsive and ethically sound midwifery care, demonstrating sensitivity to diverse populations and adherence to professional standards and human rights in maternal health services.
11. Engage in community-based maternal and neonatal health initiatives, addressing social determinants of health and promoting access to quality midwifery care in underserved populations.

NORMAL LEARNING MATRIX FOR MSc IN MIDWIFERY PROGRAMME

Course Code	Course Name	Core/Elective	Lecture Hrs.	Tutorial/Seminar Hrs.	Assignment Hrs.	Independent studies	Practicals Hrs.	Total Hours	Credits

Year 1: Semester 1									
ME 601	Epidemiology, Biostatistics & Research methodology	Core	6	20	10	32	22	90	90
MB 601	Bioethics	Core	20	5	10	10	15	60	6.0
MG 601	Global Health	Core	12	3	3	6	36	60	6.0
MT 601	Teaching Methodology	Core	10	3	5	2	10	30	3.0
ML 601	Research Management & Leadership	Core	3	14	14	15	14	60	6.0
MF 601	Theoretical and Conceptual Frameworks	Core	18	9	9	9	45	90	9.0
MU601	Ultrasound in Obstetrics	Core	15	40	10	10	225	300	30.0
Total Semester 1			**84**	**94**	**61**	**85**	**367**	**690**	**69.0**
Year 1: Semester 2									
MP 602	Cultural, Legal and Political Perspectives of Maternal and Infant Health	Core	12	6	6	6	30	60	6.0
MH 602	Health Policy and Planning	Core	12	6	6	6	30	60	6.0
MR 602	Reproductive Health	Core	16	8	8	8	40	80	8.0
MM 602	Advanced Midwifery Science	Core	24	18	18	10	110	180	18.0
MS 602	Simulation Based Education	Core	12	6	6	6	30	60	6.0
MD 699.1	Dissertation - Research	Core	5	15	10	10	120	160	16.0

	Proposal Development								
Total Semester 2			**82**	**59**	**54**	**46**	**360**	**600**	**60.0**
Year 2: Semester 3									
MN 603	Advanced Neonatal Science	Core	20	18	9	9	34	90	9.0
MC 603	Community Midwifery	Core	10	24	12	12	62	120	12.0
MM 603	Integrated Advanced Midwifery Practicum	Core	0	28	14	8	350	400	40.0
MD 699.2	Dissertation-Data Collection & Data Analysis	Core	5	15	10	10	120	160	16.0
Total Semester 3			**35**	**85**	**45**	**39**	**566**	**770**	**77.0**
Year 2: Semester 4									
MN 604	Integrated Advanced Neonatal Practicum	Core	0	28	14	14	284	340	34.0
MM 604	Integrated Advanced Midwifery Practicum	Core	0	14	7	7	112	140	14.0
MD 699.3	Dissertation - Report Writing & dissemination Submission	Core	0	10	10	150	150	320	32.0
Total Semester 4			**0**	**52**	**31**	**171**	**546**	**800**	**80.0**
Programme Hrs. and Credits			**171**	**290**	**191**	**341**	**1839**	**2860**	**286.0**

6.2.1.9 Master of Science in M&E for Health Programmes.

Programme description

The general objective of the Master of Science in Monitoring and Evaluation for Health Programme (MSc MEHP) learning objective is to develop a corps of competent professionals in Health Monitoring and Evaluation who are capable of designing, implementing and utilizing different frameworks to enhance planning, monitoring and evaluation of public health interventions; conduct needs assessment, formative assessment and operational research to assist the design and implementation of health care interventions; understand the social, economic, cultural and institutional contexts of health programs, through clearly articulated learning outcomes.

This programme is designed to meet the training needs of people who intend to become monitoring and evaluation practitioners in the public and private sectors, especially in the fields of programmes, projects, development, health, education, and environmental fields.

Programme Learning outcomes (PLOs).

Upon completion of the two-year MSc in Monitoring & Evaluation for Health Programmes, the graduate will be able to:

1. Critically explain major concepts, frameworks and models in monitoring and evaluation (e.g. logical framework, theory of change, results-based management).
2. Develop comprehensive M&E plans: set clear objectives, select and operationalize SMART indicators, and map dataflows and reporting lines.
3. Apply epidemiological methods (study designs, sampling strategies) and biostatistical techniques (descriptive, inferential, regression) to plan and interpret M&E activities.

4. Design and implement qualitative (FGDs, key-informant interviews, participatory appraisal) and quantitative (surveys, routine data) approaches—alone or in combination—to answer evaluation questions.
5. Build and manage electronic data-capture systems (e.g. DHIS2, ODK), ensure data security, carry out data cleaning and maintain metadata registries.
6. Conduct data quality assessments (DQAs), validation checks and triangulation to assure accuracy, completeness and timeliness of health programme data.
7. Use statistical (e.g. R, Stata) and qualitative (e.g. NVivo, Atlas.ti) software to analyze complex datasets, and create dashboards, maps and infographics that meaningfully convey results.
8. Synthesize findings into clear, audience-tailored outputs—technical reports, policy briefs, presentations—and facilitate dissemination workshops with stakeholders.
9. Design and manage participatory processes: involve beneficiaries, funders, implementers and policymakers throughout the M&E cycle; negotiate feedback loops and action plans.
10. Lead multidisciplinary M&E teams; develop budgets and workplans; oversee field operations; mentor junior staff and foster a culture of continuous improvement.
11. Uphold ethical standards in all M&E activities: secure informed consent, protect confidentiality, mitigate power imbalances and apply an equity-lens to data collection and interpretation.
12. Translate monitoring and evaluation evidence into strategic recommendations that inform programme adaptation, scale-up and health policy formulation.
13. Critically appraise emerging M&E methodologies and digital innovations; reflect on personal performance;

engage in ongoing professional development and research.

NORMAL LEARNING MATRIX FOR MSc IN MEHP

Cour se Code	Course Name	Core or Elective	Lecture	Tutorial/Seminar	Assignment	Individual study	Practical study	Total Hours	Credit
Year 1: Semester 1									
ME 111	Introduction to Global and national Health and Health Systems	Core	24	16	16	14	8	80	8.0
ME 112	Biostatistics	Core	45	10	15	15	15	100	10.0
ME 113	Research Methods	Core	35	8	10	15	12	80	8.0
ME 114	Epidemiology: Principles and Methods	Core	25	10	15	15	15	80	8.0
ME 115	Global Development Goals, Health, and Sustainability	Core	45	10	15	29	15	100	10.0
ME 116	Fundamentals and approaches of M&E	Core	45	10	15	33	15	100	10.0
ME 117	Leadership and Management in Health Programs	Core	25	10	15	33	15	80	8.0
Total Semester 1								**620**	**20.0**
Year 1: Semester 2									
ME 121	Monitoring and evaluating the impact of health programmes	Core	15	15	30	40	40	140	14.0
ME 122	Entrepreneurship and Consultancy skills in Health	Core	30	20	30	60	70	210	21.0

ME 699.1	Research Methods and Proposal Development	Core	20	10	20	30	50	125	12.5
ME 231	Scientific Writing	Core	20	10	25	30	40	125	12.5
Total Semester 2								**600**	**60.0**
Year 2: Semester 3 & 4									
ME 699.2	Data Collection and Analysis	Core	-	100	125	125	150	500	50.0
ME 699.3	Dissertation and Publishable Manuscript	Core	-	140	175	210	150	700	70.0
Total semester 3 and 4								**1200**	**120.0**
Programme Hours and Credits								**2420**	**242.0**

6.2.2 Master of Medicine Programmes

Programmes Description

The MMed training at KCMC University 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.

General Programmes' Learning outcomes (PLOs).

Upon completion of MMed programmes the graduates 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 aetiology 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]

NORMAL LEARNING MATRIX FOR MMED PROGRAMMES

(a) 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 Biomedical Sciences Course from beginning of the Academic Year in October until the December. From the mid December residents will be in their respective specialty departments. *The Biomedical Science Courses shall be examined separately and Marked Separately as courses and not Modules. In the Transcript they shall be arranged as they appear in the Learning Matrix each with a Letter Grade and a Grade point.*

Semester 2

From March to July the candidates will be in the respective departments according to their discipline of specialization. During this period there shall be another three Biomedical Science Sciences Courses specific for the discipline **(Courses 9 and 10)**. Courses on Global Health, Epidemiology,

Biostatistics, Research methods and research management shall be done at this time.

Semesters 3 and 4
Semester 3 and 4 of year 2, mainly emphasize on learning and experiencing the specialty of training, in clinical rotations through different sub-specialties of the discipline. The resident shall also, take part in the academic activities of the department (Journal Club, case presentations, protocol meetings, post-mortem meetings, tumour board meetings.).

Semester 5 and 6
Semesters 5 and 6 of year 3 in semester 5 – data collection for the research must take place and the data must be analysed and reported in a dissertation, to be submitted in early July during semester 6 for assessment. Apart 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 semi independently under global supervision of the consultants, participating fully in all activities of the department and teaching selected topics to undergraduates. At the end of semester 8 the resident shall sit for the Final University Examination.

Rotations can be undertaken inside or outside (external rotation) KCMC Hospital/KCMC University. Each rotation must be assessed according to a given format. Prior approval for external rotations (Rotations outside KCMC Hospital/ KCMC University) arranged by the Director of Postgraduate Studies.

Duty hours

Residents shall have an average of not more than 80 hours per week in patient care activities. They should have at least one day out of seven free of patient care and be on call not more than one night in three.

(b) MMed Programmes evaluation

(i) The effectiveness of the programme shall be regularly evaluated by School and residents with respect to the quality of the programme and the extent to which the educational goals are met.

(ii) The teaching School shall be regularly evaluated, and shall include evaluation of clinical knowledge, teaching ability and commitment.

(iii) Residents shall be evaluated regularly with respect to their knowledge, skills, and overall performance. All evaluations will be kept by the coordinator.

(iv) Before submission of the dissertation for marking, concurrently, the student, supervisors and the Head of department shall ensure that manuscripts have been written from the student's work and at least one has been sent for publication in a peer reviewed Journal of the subject. The student and supervisors shall also show evidence that the rest of the student's work is in manuscripts form to be further developed by the candidate in consultation with his/her supervisor towards publication(s) in peer reviewed journals.

(v) No candidate shall be allowed to sit for the final examination without evidence of fulfilling the requirement for publication.

(c) MMed Assessment and Dissertations

The dissertation options for MMed residents therefore are:

(i) They present a formal research project

(ii) They present a series of minimally 10 cases with different diagnoses, which were largely managed by the MMed resident, with a scientific discussion. And implications.

(iii) Series of minimally 5 cases with the same or similar diagnosis, which were largely managed by the MMed resident with a scientific inferences and discussion of the cases.

(iv) Cochrane review-like meta-analysis of a clinical entity, leading to a new or improved management protocol.

6.2.2.1 MMed in Dermatovenereology

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.

Programme Learning Outcomes (PLOs)

By the end of the programme residents acquired the essential practical skills including:

1. Demonstrate a comprehensive understanding of the pathophysiology, diagnosis, and management of common and complex dermatological and venereological conditions.
2. Critically Appraise critically and apply current research

and clinical guidelines to inform decision-making and improve patient outcomes in Dermatovenereology.

3. Utilize advanced diagnostic reasoning skills to interpret clinical findings, laboratory results, and imaging studies relevant to Dermatovenereology.
4. Demonstrate understanding of the pharmacological principles and therapeutic options available for the treatment of dermatological and venereological disorders, including the use of emerging therapies.
5. Analyze the epidemiological trends and public health implications of dermatological and venereological diseases, including prevention strategies and health promotion.
6. Perform a comprehensive range of dermatological procedures, including but not limited to skin biopsies, cryotherapy, and laser treatments, with proficiency and safety.
7. Conduct thorough and systematic patient assessments, including history-taking, physical examinations, and the formulation of differential diagnoses.
8. Demonstrate effective communication skills in patient interactions, including the ability to explain diagnoses, treatment options, and management plans clearly and empathetically.
9. Work collaboratively within a multidisciplinary team to provide holistic care for patients with dermatological and venereological conditions.
10. Exhibit the ability to recognize and manage dermatological emergencies, demonstrating appropriate clinical judgment and intervention skills.
11. Uphold the highest standards of professionalism and ethical practice in all interactions, demonstrating respect, integrity, and accountability in patient care.
12. Cultivate a commitment to lifelong learning and self-reflection, actively seeking opportunities for professional

development and adapting to advancements in Dermatovenereology.

NORMAL LEARNING MATRIX FOR MMED IN DERMATOVENEREOLOGY PROGRAMME

Course code	Course Name	Core/ elective	Seminar (Hrs) 15%	Assignment (Hrs) 5%	Independent Study (Hrs) 30%	Practical (Hrs) 50%	Total (Hrs) 100%	Credits
Year 1 Semester 1								
ER601	Epidemiology, biostatistics &research methodology	Core	24	30	30	36	120	12.0
TM 600	Teaching Methodology	Core	4	2	9	15	30	3.0
BE 601	Bioethics	Core	32	32	39	51	150	15.0
GH 600	Global health	Core	19	14	15	12	60	6.0
AN 600	Clinical Anatomy	Core	20	78	7	16	64	6.4
CP 601	Clinical physiology	Core	32	30	35	4	105	10.5
CP 600	Clinical pharmacology	Core	33	32	40	8	113	11.3
GN 600	Principles of genetics	Core	20	32	24	4	80	8.0
MM 600	Applied microbiology and immunology	Core	41	13	12	32	100	10.0
Total Semester 1			**119**	**40**	**241**	**400**	**800**	**80**

Semester 2 Year 1								
DV 602	Dermatology introduction	Core	48	16	96	160	320	32.0
DV 603	Inflammatory dermatoses	Core	72	24	144	240	480	48.0
Total Semester 2							**800**	**80.0**
Semester 3 Year 2								
DV 604	Dermatology in clinical Practice	Core	35	12	69	115	230	23.0
DV 605	Dermatology diagnostics	Core	35	53	162	320	570	57.0
Total Semester 3			**Total Hours and Credits**				**800**	**80.0**

Semester 4 Year 2								
DV 606	Venereology	Core	60	20	120	200	400	40.0
DV 607	Neurovascular dermatoses	Core	36	12	72	120	240	24.0
DV 699.1	Dissertation proposal Development	Core	20	10	80	50	160	16.0
Total Semester 4							**800**	**80.0**

Semester 5 Year 3								
DV 608	Adnexal dermatoses	Core	48	16	96	160	320	32.0
DV 609	Immoderateness	Core	48	16	96	160	320	32.0
DV 699.2	Dissertation Data collection and analysis	Core	20	10	80	50	160	16.0
Total Semester 5							**800**	**80.0**
Semester 6 Year 3								
DV 699.3	Dissertation Manuscript preparation and submission	Core	200	90	50	140	480	48.0
DV610	Dermato-surgery	Core	48	16	96	160	320	32.0
Total Semester 6							**800**	**80.0**
Semester 7 Year 4								
DV 611	Genodermatoses	Core	45	15	90	150	300	30.0
DV 612	Advanced dermatology	Core	75	25	150	250	500	50.0
Total Semester 7							**800**	**80.0**
Semester 8 Year 4								

DV613	Public health and Dermatology	Core	75	25	150	250	500	50.0
DV 614	Metabolic and systemic dermatoses	Core	45	15	90	150	300	30.0
Total Semester 8							**800**	**80.0**

6.2.2.2 MMed in Ophthalmology

Programme Description

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

Programme Learning Outcomes (PLOs)

By the end of this programme graduates will be able to: -

1. Demonstrate comprehensiveknowledge of ophthalmic medicine and surgery.
2. Apply critical thinking and clinical reasoning to diagnose and manage eye conditions.
3. Perform ocular surgeries independently and manage postoperative complications.
4. Integrate basic and clinical sciences to justify differential diagnoses and treatment plans.
5. Exhibit leadership and organizational skills in managing ophthalmology departments.
6. Communicate effectively with patients, families, and healthcare teams.
7. Address ethical issues and demonstrate cultural competence in diverse populations.
8. Conduct and apply research to improve ophthalmic practice and patient outcomes.
9. Advocate for public eye health and implement

community- based interventions.

10. Collaborate effectively with multidisciplinary teams to enhance patient care.
11. Demonstrate lifelong learning and self-assessment to maintain professional competence.
12. Uphold professional ethics and standards in all aspects of ophthalmic practice.

NORMAL LEARNING MATRIX FOR MMED OPHTHALMOLOGY PROGRAMME

Course Co de	Course Title	Co re	Lectures	Seminars	Assignments	Ind. Studies	Practical Clinic al Skills ng	Tot al Hrs.	Cred its
Year: Semester 1									
GH 601	Global Health	Cor e	3	16	14	15	12	60	6.0
ER 601	Epidemiology, Biostatistics and Research Methodology	Cor e	0	24	30	30	36	120	12.0
BE 601	Bioethics	Cor e	10	22	12	7	9	60	6.0
TM 601	Teaching Methodology	Cor e	18	17	8	4	13	60	6.0
OP 601	Ocular Anatomy and Embryology	Cor e	12	98	42	34	64	250	25.0
OP 602	Ocular Physiology	Cor e	24	82	48	48	48	250	25.0
Total Semester 1			**67**	**259**	**154**	**138**	**182**	**800**	**80.0**

Year 1: Semester 2									
OP 603	Ocular Pharmacology y	Cor e	14	54	40	70	82	260	26.0
OP 604	Ocular Microbiology	Cor e	10	79	57	57	57	260	26.0

OP 605	Ocular Semeiology and Genetics	Cor e	4	43	33	33	167	280	28.0
Total Semester 2			**28**	**176**	**130**	**160**	**306**	**800**	**80.0**

Year 2: Semester 3									
OP 606	Optics and Refraction	Core	22	24	24	28	162	260	26.0
OP 607	Ocular Epidemiology and Pathology	Core	34	46	40	40	100	260	26.0
OP 608	Cataract	Core	10	12	10	10	238	280	28.0
Total Semester 3			**66**	**82**	**74**	**78**	**500**	**800**	**80.0**

Year 3: Semester 5									
OP 612	Ocular Trauma	Core	10	20	14	14	202	260	26.0
OP 613	Ocular Histopathology	Core	10	12	10	10	58	100	10.0
OP 614	Ocular Oncology	Core	10	28	18	18	206	280	28.0
OP 699.2	Data Collection and Data Analysis	Core	5	15	10	80	50	160	16.0
Total Semester 5			**35**	**75**	**52**	**122**	**516**	**800**	**80.0**

Year 3: Semester 6									
OP 615	Retina Disorders	Core	0	22	5	5	68	100	10.0
OP 616	Paediatrics Ophthalmology	Core	10	12	10	10	78	120	12.0
OP 617	Strabismus	Core	10	12	10	10	58	100	10.0
OP 699.3	Report Writing and Dissemination Submission	Core	0	200	90	50	140	480	48.0
Total Semester 6			**20**	**246**	**115**	**75**	**344**	**800**	**80.0**

Year 4: Semester 7									
OP 618	Preventive Ophthalmic Medicine.	Core	20	40	20	20	160	260	26.0
OP 619	Rehabilitative Ophthalmic Medicine.	Core	12	20	10	43	175	260	26.0

OP620	Neuro-ophthalmology	Core	10	28	18	18	206	280	28.0
Total Semester 7			**42**	**88**	**48**	**81**	**541**	**800**	**80.0**
Year 4: Semester 8									
OP621	Eyelid Disorders	Core	10	28	18	18	186	260	26.0
OP 622	Lachrymal System Disorders	Core	10	28	18	18	186	260	26.0
OP623	Orbital Disorders	Core	10	28	18	18	206	280	28.0
Total Semester 8			**30**	**84**	**54**	**54**	**578**	**800**	**80.0**
TOTAL HOURS IN YEAR 1, 2, 3 & 4								**6400**	**640.0**

6.2.2.3 MMed in Radiology & Medical Imaging

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 the professional career.

Programme Learning Outcomes (PLOs)

By the end of this programme graduates 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. Perform diagnostic and therapeutic procedures and to make appropriate clinical decisions.
4. 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. Execute tasks through teamwork with colleagues.
7. Recognize the need for continued learning and to model this for others.
8. Initiate, plan, execute and disseminate clinical research findings.

NORMAL LEARNING MATRIX FOR MMED IN DIAGNOSTIC RADIOLOGY & MEDICAL IMAGING PROGRAMME

Course Codes	Course/Module Title	Lectures	Tutorial	Independent study	Practical	Total hours	Total Credits
Year 1: Semester 1: Foundation courses							
AH 611	Introduction to Global Health	20	-	40	-	60	6.0
AH 612	Biostatistics	56	-	24		80	8.0
AH 613	Epidemiology	56	-	24		80	8.0
AH 614	Research Methodology			40	10	60	6.0
AH 615	Research management and leadership	20	-	30	20	60	6.0
MD616	Anatomy	20	10	10	20	60	6.0
PA 617	Pathology	20	10	10	20	60	6.0
PY 618	Physiology	20	10	10	20	60	6.0
PC 619	Clinical Pharmacology	20	10	10	20	60	6.0

IM 6110	Immunology& Genetics	20	10	20	10	60	6.0
Total Semester 1: Foundation Courses						**300**	**30.0**
Year 1: Semester 2: Specialty courses							
IT 621	ICT in radiology	20	10	20	10	60	6.0
PT 622.1	Principles of Imaging Technology I	20	10	20	10	60	6.0
RA 623	Radiation safety	20	10	20	10	60	6.0
RC 624.1	Chest radiology I	10	20	30	40	100	10.0
RG 625.1	Gastro-intestinal and abdominal radiology I	20	10	30	10	70	7.0
UR 626.1	Urogenital radiology I	20	10	20	10	60	6.0
RM 627.1	Musculoskeletal radiology I	20	10	20	10	60	6.0
ER 628.1	Emergency radiology 1	10	20	40	60	130	13.0
PT 622.2	Principles of imaging technology II	20	10	20	10	60	6.0
RC 624.2	Chest radiology II	20	20	40	20	100	10.0
RG 625.2	Gastro-intestinal and abdominal radiology II	10	20	30	20	80	8.0
UR 626.2	Urogenital radiology II	10	10	25	25	70	7.0
RM 627.2	Musculoskeletal II	10	10	20	30	70	7.0
EV 629	Evidence based radiology	20	10	20	10	60	6.0
ER 628.2	Emergency radiology 2	20	30	30	80	160	16.0
Total Semester 2						**600**	**60.0**
Year 2: Semester 3: Specialty courses							
RD 699.1	Research Proposal	20	20	60		100	10.0
PT 622.3	Principles of imaging technology III	12	8	10	8	30	3.0
BO 631.1	Breast and Obstetrics I	4	4	15	18	30	3.0
HN 632.1	Head and Neck I	3	15	15	18	45	4.5
NR 633.1	Neuroradiology I	4	8	30	18	50	5.0
RO 634.1	Radio-oncology I	2	12	26	16	45	4.5
IR 635.1	Interventional radiology I	2	10	10	18	40	4.0
RC 624.3	Chest radiology III	4	8	15	18	40	4.0
RG 625.3	Gastro-intestinal and abdominal radiology III	2	10	25	18	40	4.0
UR 626.3	Urogenital radiology III	5	7	20	18	40	4.0
RM 627.3	Musculoskeletal III	2	10	25	18	50	5.0
ER 628.3	Emergency radiology III	10	60	30	100	90	9.0
Total Semester 3		**70**	**172**	**281**	**268**	**600**	**60**
Year 2: Semester 4							
RP 699.1	Research Proposal I	-	-	-		-	-
BO 631.2	Breast and Obstetrics II	5	10	10	25	50	5.0

HN 632.2	Head and neck II	10	4	14	26	60	6.0
NR 633.2	Neuro-radiology II	18	3	8	27	60	6.0
RO 634.2	Radio-oncology II	5	5	5	20	40	4.0
RC 624.4	Chest radiology IV	10	10	20	30	70	7.0
RG 625.4	Gastro-intestinal and abdominal radiology IV	10	10	20	35	70	7.0
UR 626.4	Urogenital radiology IV	5	5	5	20	40	4.0
RM 627.4	Musculoskeletal IV	5	10	10	25	50	4.0
RP 699.2	Data collection	20		60	80	70	7.0
ER 628.4	Emergency radiology IV	60	-	-	30	90	9.0
Total Semester 4						**600**	**60.0**
Year 3: Semester 5							
BO 631.3	Breast and Obstetrics III	5	10	10	27	50	5.0
HN 632.3	Head and neck III	10	10	20	20	60	6.0
NR 633.3	Neuro-radiology III	10	10	20	30	70	7.0
RO 634.3	Radio-oncology III	6	5	10	15	40	4.0
RC 624.5	Chest radiology V	11			25	40	4.0
RG 625.5	Gastro-intestinal and abdominal radiology V	10	5		20	40	4.0
UR 626.5	Urogenital radiology V	15			25	40	4.0
RM 627.5	Musculoskeletal V	15			25	40	4.0
ER 628.5	Emergency radiology V	120				220	22.0
Total Semester 5						**600**	**60.0**
Year 3: Semester 6							
BO 631.4	Breast and Obstetrics IV	5	10	5	10	30	3.0
HN 632.4	Head and neck IV	5	10	5	10	30	3.0
NR 633.4	Neuro-radiology IV	5	10	5	10	30	3.0
RO 634.4	Radio-oncology IV	5	10	5	10	30	3.0
RC 624.6	Chest radiology VI	5	10	5	10	30	3.0
RG 625.6	Gastro-intestinal and abdominal radiology VI	5	10	5	10	30	3.0
UR 626.6	Urogenital radiology VI	5	10	5	10	30	3.0
RM 627.6	Musculoskeletal VI	5	10	5	10	30	3.0
RP 699.3	Dissertation		70		130	200	20.0
SR 699.4	Scientific Writing	5	10	15	30	60	6.0
ER 628.6	Emergency radiology VI		80		120	100	10.0
Total Semester 6						**600**	**60.0**

Year 4: Semester 7							
RO 634.5	Radio-oncology V	10	50	100	140	300	30.0
IR 635.2	Interventional radiology II	10	50	100	140	300	30.0
TOTAL						**600**	**60.0**
Year 4: Semester 8							
BO 631.5	Breast and Obstetrics V		10	10	30	50	5.0
HN 632.5	Head and neck V		10	10	30	50	5.0
NR 633.5	Neuro-radiology V		10	10	30	50	5.0
RO 634.5	Radio-oncology V		10	10	30	50	5.0
RC 624.7	Chest radiology VII		10	20	30	60	6.0
RG 625.7	Gastro-intestinal and abdominal radiology VII		10	20	30	60	6.0
UR 626.7	Urogenital radiology VII		10	20	30	60	6.0
RM 627.7	Musculoskeletal VII		10	20	30	60	6.0
ER 628.7	Emergency radiology VII		80		120	100	10.0
LM481	Leadership and Management	20	10	20	10	60	6.0
Total Semester 8						**600**	**60.0**
Programme Hours and Credits						**5440**	**544.0**

6.2.2.4 MMed in Internal Medicine

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 graduates with master in Internal medicine will be expected 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):

Programme Learning Outcomes (PLOs)

At the end of this programme graduates will be able to: -

1. Demonstrate a thorough understanding of the pathophysiology, diagnosis, and management of common and complex internal medicine conditions.
2. Apply critical thinking skills to analyze clinical scenarios, synthesize information, and formulate evidence-based differential diagnoses and management plans.
3. Conduct scientific inquiry by formulating research questions, designing studies, and interpreting data to contribute to the evidence base in internal medicine.
4. Understand and apply ethical principles and professional standards in the practice of internal medicine, including informed consent and patient confidentiality.
5. Perform a range of diagnostic and therapeutic procedures relevant to internal medicine, including physical examinations, diagnostic testing, and therapeutic interventions.
6. Effectively manage patient care in various settings, demonstrating skills in patient assessment, treatment planning, and follow-up for diverse internal medicine conditions.
7. Demonstrate the ability to work effectively within a multidisciplinary healthcare team, valuing the contributions of other healthcare professionals in the management of complex patient cases.
8. Utilize advanced technology and instrumentation in the diagnosis and treatment of internal medicine disorders, including electronic health records and telemedicine

tools.

9. Exhibit empathy, compassion, and respect in interactions with patients and their families, recognizing the importance of patient perspectives in the management of internal medicine conditions.
10. Show sensitivity and responsiveness to the diverse cultural backgrounds of patients, understanding how cultural factors can influence health beliefs and practices.
11. Demonstrate a commitment to lifelong learning and professional development by actively seeking opportunities for further education and self-improvement in internal medicine.
12. Cultivate resilience and adaptability in the face of challenges, maintaining professionalism and a positive attitude in high- pressure clinical environments.

NORMAL LEARNING MATRIX FOR MMED IN INTERNAL MEDICINE PROGRAMME

Course Code	Course Title	Core	Lectures	Seminars	Assignments	Ind. Studies	Skill Training	Total hrs.	Credits
Year 1: Semester 1									
CP 601	Clinical Physiology	Core	15	17	29	16	3	80	8.0
CA 601	Clinical Anatomy	Core	10	12	12	18	18	70	7.0
PA 601	Principles of General and Pathology	Core	5	15	20	20	50	110	11.0
CL 601	Clinical Pharmacology and chemotherapy	Core	20	30	20	10	20	100	10.0
ER 601	Epidemiology, Biostatistics and Research Methodology	Core	0	24	30	30	36	120	12.0
MI 601	Microbiology and Immunology	Core	10	40	30	30	5	115	11.5
BE 601	Bioethics	Core	10	22	12	7	9	60	6.0

TM 601	Teaching methodology	Core	18	17	8	4	13	60	6.0
GN 601	Principles of Genetics	Core	6	14	32	28	5	85	8.5
Total semester 1			**94**	**191**	**193**	**163**	**159**	**800**	**80.0**
Year 1: Semester 2									
EM602	Intensive care and Emergency	Core	5	40	72	75	180	372	27.2
ID602	Infectious Diseases	Core	2	48	78	120	180	428	42.8
Total Semester 2			**7**	**88**	**150**	**195**	**360**	**800**	**80.0**
Year 2: Semester 3									
CM 603.1	Cardiology	Core	2	5	30	20	250	307	30.7
RM 603	Respiratory	Core	1	5	30	20	180	236	23.6
NP 603	Nephrology	Core	2	5	30	20	200	257	25.7
Total Semester 3			**5**	**15**	**90**	**60**	**630**	**800**	**80.0**
Year 2: Semester 4									
RM 604	Rheumatology	Core	2	8	40	30	180	260	26.0
NU 604	Neurology	Core	2	18	30	40	100	190	19.0
GE 604	Gastroenterology	Core	2	8	40	40	100	190	19.0
IM 699.1	Proposal Development	Core	5	15	10	80	50	160	16.0
Total Semester 4			**11**	**49**	**120**	**190**	**430**	**800**	**80.0**
Year 3: Semester 3									
ED 605	Endocrinology Diabetes Mellitus and Metabolism	Core	2	40	50	34	110	236	23.6
HM 605	Haematology	Core	0	20	40	32	110	202	20.2
HM 605	Oncology	Core	0	20	40	32	110	202	20.2
IM 699.2	Data collection and Analysis	Core	5	15	10	80	50	160	16.0
Total Semester 5			**7**	**95**	**140**	**178**	**380**	**800**	**80.0**
Year5: Semester 6									
IM 606	Introduction to Integrative Patient Management	Core	2	28	10	30	290	360	36.0
IM 699.3	Report Writing & dissemination Submission	Core	0	20	20	200	200	440	44.0
Total Semester 6			**2**	**48**	**30**	**230**	**490**	**800**	**80.0**
Year 4: Semester 7									
EC 607	Multidisciplinary care	Core	0	0	10	60	100	170	17.0
GM 607	Geriatric medicine	Core	0	40	30	10	80	160	16.0
PC 607	Palliative care	Core	0	40	30	10	80	160	16.0
PM 607	Pregnancy	Core	0	50	70	60	130	310	31.0
Total Semester 7			**0**	**130**	**140**	**140**	**390**	**800**	**80.0**
Year 4: Semester 8									

LM 608	Leadership, innovation, and Clinical governance	Core	0	40	30	100	200	370	37.0
IC 607	Integrated Medical Practice	Core	2	23	15	130	260	430	43.0
Total Semester 8			**2**	**63**	**45**	**230**	**460**	**800**	**80.0**
Programme Hours and Credits								**6400**	**640.0**

6.2.2.5 MMed in Paediatrics 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.

Programme Learning Outcomes (PLOs)

By the end of this programme graduates will 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. Demonstrate appropriate and sound professionalism in all aspects of patients care and serve a role model to junior health professionals.
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
8. Initiate, plan, execute and disseminate clinical research findings.

NORMAL LEARNING MATRIX & COURSE MATRIX FOR MMED PAEDIATRICS AND CHILD HEALTH

Course Code	Course Name	Lecture hours	Tutorial/ Seminar (Hrs.)	Assignment (Hrs.)	Independent Study (Hrs.)	Practical (Hrs.)	Total (Hrs.)	Credits
Year 1: Semester 1								
PA601	Principles of General Pathology	1	10.5	3.5	20	35	70	7.0
PY601	Clinical Physiology	15	17	29	16	3	80	8.0
GH601	Introduction to Global Health	1	9	3	17	30	60	6.0
CL 601	Principles of Clinical Pharmacology and Chemotherapy	2	16.5	5.5	31	55	110	11.0
MI 601	Microbiology and Immunology	2	15	5	28	50	100	10.0
GN 601	Principal of Genetics	2	12	4	22	40	80	8.0
ER601	Epidemiology, Biostatistics and Research Methodology	2	16.5	5.5	31	55	110	11.0
EE601	Bioethics	1	9	3	17	30	60	6.0
TM601	Teaching Methodology	18	17	8	4	13	60	6.0
PB 600	Paediatrics Basics and Therapeutic in Children	1	10.5	3.5	20	35	70	7.0
Total Hrs. and Credit Semester 1		**16**	**120**	**40**	**224**	**400**	**800**	**80.0**

Year 1: Semester 2								
PD 621	Paediatrics emergency and Specialist Specific	4	30	10	56	100	200	20.0
PD622	Embryology & Growth	2	15	5	28	50	100	10.0
PD623	Neonatal conditions	4	30	10	56	100	200	20.0
PD624	Nutrition	8	30	10	52	100	200	20.0
PD 625	Paediatrics Laboratory Procedures	2	14	6	28	50	100	10.0
Total Hrs. and Credits Semester 2		**20**	**119**	**41**	**220**	**400**	**800**	**80.0**
Year 2: Semester 3								
PD631	Intensive Care	4	30	10	56	100	200	20.0
PD 632	Paediatrics Infectious diseases	4	30	10	56	100	200	20.0
PD633	Haematological Conditions	5	37	13	70	125	250	25.0
PD 634	Psychosocial aspects in children and adolescents	3	22	8	42	75	150	15.0
Total hrs. and Credits Semester 3		**16**	**119**	**41**	**224**	**400**	**800**	**80.0**
Year 2: Semester 4								
PD641	Paediatrics Cardiology	4	30	10	56	100	200	20.0
PD642	Paediatrics Oncology	4	30	10	56	100	200	20.0
PD643	Paediatrics Neurology	3	22	8	42	75	150	15.0
PD644	Paediatrics Endocrinology	3	22	8	42	75	150	15.0
PD699.1	Dissertation Proposal Development	2	15	5	28	50	100	10.0
Total hrs. and Credits Semester 4		**16**	**119**	**41**	**224**	**400**	**800**	**80.0**
Year 3: Semester 5								
PD651	Paediatrics Nephrology	4	30	10	56	100	200	20.0
PD652	Nutritional disorders	4	30	10	56	100	200	20.0
PD699.2	Dissertation Data Collection & Analysis	0	60	28	112	200	400	40.0
Total hrs. and Credits		**8**	**120**	**48**	**224**	**400**	**800**	**80.0**
Year 3: Semester 6								
PD 661	Paediatrics Respiratory Disease	4	30	10	56	100	200	20.0
PD 662	Specific infection in children	4	30	10	56	100	200	20.0
PD 699.3	Dissertation Manuscript writing & submission	0	40	80	150	130	400	40.0
Total hrs. and Credits Semester 6		**8**	**100**	**100**	**262**	**330**	**800**	**80.0**

Year 4: Semester 7								
PD671	Immunological & Allergic conditions	4	30	10	56	100	200	20.0
PD672	Rheumatic disorders	4	30	10	56	100	200	20.0
PD673	Community Paediatrics	4	30	10	56	100	200	10.0
PD674	External Clinical Apprenticeship-1	4	30	10	56	100	200	20.0
Total hrs. and Credits Semester 7		**16**	**120**	**40**	**224**	**400**	**800**	**80.0**
Year 4: Semester 8								
PD 681	External Clinical Apprenticeship-2	6	45	15	84	150	300	30.0
PD682	Leadership and Management	6	45	15	84	150	300	30.0
PD683	Revision for final UE	4	30	10	56	100	200	20.0
Total hrs. and Credits Semester 8		**16**	**120**	**40**	**224**	**400**	**800**	**80.0**
Programme Hrs. and Credits							**6400**	**640.0**

6.2.2.6 MMed in General Surgery

Programme Description

The programme aims to train candidates to become competent specialists in the practice of general surgery. On completion of the training the graduate with the degree of master's in general surgery is expected to be able to work as a specialist in the field of general.

For MMed General Surgery at KCMC University ensure that graduates are well-rounded professionals equipped with the necessary knowledge, skills, and attitudes to excel in their field, while also emphasizing critical thinking and scientific inquiry as essential components of their training. They include critical thinking and scientific inquiry relevant to general surgical practice.

Programme Learning Outcomes (PLOs)

At the end of this programme graduates will be able to:

1. Demonstrate a comprehensive understanding of the anatomy, physiology, and pathology relevant to general

surgery, including common surgical conditions and their management.

2. Evaluate critically current research and evidence-based guidelines to include in the diagnosis and treatment of surgical conditions, integrating scientific inquiry into clinical decision- making.
3. Formulate differential diagnoses and develop comprehensive management plans for a variety of surgical cases, utilizing critical thinking skills to analyze complex clinical scenarios.
4. Demonstrate understanding and apply ethical principles and legal considerations in surgical practice, including informed consent, patient confidentiality, and the ethical implications of surgical interventions.
5. Demonstrate proficiency in performing a range of surgical procedures, including basic and advanced techniques, under supervision and progressively increasing independence.
6. Utilize advanced surgical instruments and technologies effectively in the diagnosis and treatment of surgical conditions, demonstrating technical skills in both open and minimally invasive procedures.
7. Assess effectively the management of patient care in various clinical settings, including preoperative, intraoperative, and postoperative environments, ensuring safe and effective surgical outcomes.
8. Apply critical thinking skills in the operating room and clinical settings to adapt surgical techniques and approaches based on real-time patient needs and responses.
9. Exhibit empathy, compassion, and respect in interactions with patients and their families, recognizing the importance of patient perspectives in surgical care.
10. Demonstrate the ability to work effectively within a multidisciplinary healthcare team, valuing the

contributions of other healthcare professionals in the management of surgical patients.

11. Show sensitivity and responsiveness to the diverse cultural backgrounds of patients, understanding how cultural factors can influence health beliefs and practices in surgical care.
12. Cultivate a commitment to continuing professional development and lifelong learning, actively seeking opportunities for further education, research, and self-improvement in the field of general surgery.

NORMAL LEARNING MATRIX AND COURSES MATRIX FOR MMED IN GENERAL SURGERY PROGRAMME

Course Code	Course Name	Lecture (Hrs.)	Tutorials (Hrs.)	Assignments (Hrs.)	Independent (Hrs.)	Practical (Hrs.)	Total (Hrs.)	Credits
Year 1: Semester 1.								
ER611	Epidemiology, Biostatistics & Research Methodology	6	20	10	32	18	86	8.6
BE 612	Bioethics	30	0	10	20	0	60	6.0
AA 613	Anatomy Abdomen	0	30	20	30	20	100	10.0
PA 614	Principles of Pathology	13	25	12	74	16	140	14.0
PH 615	Clinical Physiology	6	30	30	35	4	105	10.5
MI 616	Microbiology & Immunology	5	70	10	20	5	110	11.0
CL 617	Clinical Pharmacology & Chemotherapy	6	70	9	20	4	109	10.9
AP 618	Anatomy Pelvis and Perineum	0	30	10	10	10	60	6.0
TM 619	Teaching Methodology	15	5	0	2	8	30	3.0
Total Hours and Credits in Semester 1		**81**	**280**	**111**	**243**	**85**	**800**	**80.0**
Year 1: Semester 2								
PS 621	Principles & Emergency Surgery	4	78	48	170	240	520	52.0
SA 622	Surgical Anatomy	-	60	50	110	60	280	28.0

Total Hours and Credits in Semester 2		**4**	**138**	**98**	**260**	**300**	**800**	**80.0**
Year 2. Semester 3								
TS 631	Transplant Surgery	2	20	5	8	15	50	5.0
GE 632	Gastroenterology	-	130	120	220	280	750	75.0
Total Hours and Credits in Semester 3		**2**	**150**	**125**	**228**	**295**	**800**	**80.0**
Year 2: Semester 4								
HB 641	Hepatobiliary and Pancreatic Surgery	-	50	45	65	150	310	31.0
PS 642	Paediatrics Surgery	-	35	15	50	200	300	30.0
GS 699.1	Dissertation Proposal Development	-	5	5	30	150	190	19.0
Total Hours and Credits in Semester 4		**0**	**90**	**65**	**145**	**500**	**800**	**80.0**
Semester 5 Year 3:								
ES 651	Endocrine Surgery	-	60	50	75	260	400	40.0
NS 652	Neurosurgery	-	40	25	45	90	200	20.0
GS 699.2	Dissertation data collection and Analysis	-	-	-	50	150	200	20.0
Total Hours and Credits in Semester 5		**-**	**100**	**75**	**125**	**500**	**800**	**80.0**
Semester 6 Year 3:								
RS 661	Reconstructive Surgery	-	25	15	35	85	160	16.0
GS 699.3	Dissertation Manuscript Preparation & Dissemination	-	-	60	135	475	640	64.0
Total Hours and Credits in Semester 6			**25**	**75**	**140**	**560**	**800**	**80.0**
Semester 7 Year 4:								
UG 671	External Clinical Apprenticeship: Urology, and OBGY	-	45	65	105	215	430	43.0
OT 672	External Clinical Apprenticeship: Orthopaedics, ENT & Oncology	-	40	45	90	195	370	37.0
Total Hours and Credits in Semester 7		**-**	**85**	**110**	**195**	**410**	**800**	**80.0**
Semester 8 Year 4								
CV 681	Cardiothoracic & Vascular Surgery	-	95	90	165	290	640	64.0
LM 682	Leadership Management & Entrepreneurship	-	35	30	50	45	160	16.0
Total Hours and Credits in Semester 8		**-**	**130**	**120**	**215**	**335**	**800**	**80.0**
Programme Hrs. and Credits		**87**	**1028**	**759**	**1561**	**2965**	**6400**	**640.0**

6.2.2.7 MMed Obstetrics and Gynaecology

Programme Description

The four-year training programme in obstetrics and gynaecology will provide the trainees with the educational and practical experience that will permit them to deliver highly qualified specialized care to patients in area of Obstetrics and Gynaecology. In addition to an extensive knowledge and skills in Obstetrics and Gynaecology the graduate will be a highly trained expert for all gynaecological and community health aspects.

Programme Learning Outcomes (PLOs)

At the end of this programme, the graduates will be able to: -

1. Demonstrate comprehensive knowledge and clinical skills in diagnosing and managing obstetric and gynaecological conditions, including emergencies and chronic diseases.
2. Provide compassionate, culturally sensitive, and patient-cantered care that respects the diversity of patients' backgrounds and needs.
3. Collaborate effectively with multidisciplinary teams to enhance patient care and outcomes in obstetrics and gynaecology.
4. Exhibit leadership and management skills in healthcare settings, including the ability to lead teams and manage resources effectively.
5. Communicate effectively with patients, families, and healthcare professionals, ensuring clear and empathetic exchange of information.
6. Uphold the highest standards of ethical and professional behaviour in all aspects of obstetrics and gynaecology practice.
7. Demonstrate an understanding of the healthcare system, including policies, regulations, and resource

management, to optimize patient care.

8. Engage in research and contribute to the advancement of knowledge and practice in obstetrics and gynaecology.
9. Commit to continuous professional development and lifelong learning to maintain and enhance clinical competence.
10. Advocate for public health initiatives and policies that improve maternal and reproductive health outcomes.
11. Implement quality improvement initiatives to enhance the safety and effectiveness of obstetric and gynaecological care.
12. Utilize information technology effectively to support clinical decision-making, patient education, and professional development.

NORMAL LEARNING MATRIX AND COURSE MATRIX FOR MMED IN OBSTETRICS AND GYNECOLOGY PROGRAMME.

Course Code	Course Title	Lectures	Seminar (Hrs.)	Assignment (Hrs.)	Independent Study (Hrs.)	Practical (Hrs.)	Total (Hrs.)	Credits
Semester 1: Year 1								
CP 601	Clinical physiology	6	30	30	74	16	80	8.0
ER 601	Epidemiology, biostatics, research methodology	6	20	10	32	18	86	8.6
MI 601	Microbiology and Immunology	5	70	10	20	5	110	11.0
BE 601	Bioethics	30	0	10	20	0	60	6.0
PA 600	Principles of general and anatomy Pathology	7	52	32	143	166	469	46.9

AN 600	Anatomy	8	12	11	7	16	64	6.4
Total Semester 1		**36**	**167**	**144**	**233**	**299**	**800**	**80.0**
Semester 2 Year 1								
OG 621	Basic haematology	1	90	20	100	211	21.1	
OG 622	Infectious diseases in pregnancy	1	70	16	85	192	19.2	
OG 623	Pharmacology in reproductive health	1	80	30	85	192	19.6	
OG 624	Anatomy and physiology of female reproductive system	1	100	20	100	221	22.1	
Total Semester 2		**4**	**340**	**86**	**370**	**800**	**80.0**	
Year 2: Semester 3								
OG 631	General obstetric care	1	40	11	80	13.3	23.0	
OG 632	Pathological basis of disease	0	38	10	50	98	9.8	
OG 633	Benign gynaecological conditions	0	120	10	200	330	33.0	
OG 634	Principles in obstetric surgery	0	20	20	200	240	24.0	
Total Semester 3		**1**	**218**	**51**	**530**	**800**	**80.0**	
Year 2: Semester 4								
OG 669.1	Research Proposal development	5	15	10	80	50	160	16
OG 641	Pregnant loss and termination	0	40	30	40	130	240	24.0
OG 642	Postpartum care	0	60	45	70	225	400	40.0
Total Semester 4		**5**	**115**	**85**	**190**	**405**	**800**	**80.0**
Year 3: Semester 5								
OG 699.2	Data Collection and Analysis	5	15	10	80	50	160	16.0
OG 651	Gynaecology Oncology	0	70	30	10	100	210	21.0
OG 652	High Risk Obstetrics	0	90	60	30	250	430	43.0
Total Semester 5		**5**	**175**	**100**	**120**	**400**	**800**	**80.0**
Year 3: Semester 6								

OG 699.3	Manuscript preparation, Dissemination and submission	0	60	20	200	200	480	48.0
OG 661	Surgical principles in gynaecological surgery	0	15	20	20	40	95	9.5
OG 662	Procedures in obstetrics	0	15	15	50	70	150	15.0
OG 663	Reproduction and endocrine disorders, sexuality and infertility	5	10	10	30	20	75	7.5
Total Semester 6		**5**	**100**	**65**	**300**	**330**	**800**	**80.0**
Year 4: Semester 7								
OG 671	External rotation in relevant surgical fields	0	75	65	250	390	39.0	
OG 672	Gynaecological procedures	0	75	85	250	410	41.0	
Total Semester 7			**150**	**150**	**500**	**800**	**80.0**	
Year 4: Semester 8								
OG 681	Urogynaecology	1	130	229	440	690	69.0	
LM 608	Leadership Management and Entrepreneurship in Reproductive Medicine	1	20	39	40	110	11.1	
Total Semester 8		**2**	**150**	**268**	**480**	**800**	**80.0**	
Programme Hours and Credits						**6400**	**640.0**	

6.2.2.8 MMed in Urology

Programme Description

Urology training programme shall be organized to provide a stable well- coordinated and progressive acquisition of both basic sciences and clinical experience. Considering 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 surgical emergencies and abdominal surgery. Therefore, the MMed Urology trainee will have a specified rotation in general surgery department.

Programme Learning Outcomes (PLOs)

At the end of this programme the graduates will be able to: -

1. At the end of the training module, trainees will be able to:
2. Diagnose patient with urethral stricture, Urinary fistulae, sexual dysfunction diseases from history, physical examinations and investigations(S)
3. Explain pathogenesis of urethral stricture, Urinary fistulae, sexual dysfunction stricture disease(K)
4. Explain urethral stricture, Urinary fistulae, sexual dysfunction diseases and its related conditions (K)
5. Diagnose all complications of urethral stricture, Urinary fistulae, sexual dysfunction diseases(S)
6. Evaluate Indications and contraindications for different types of surgeries for urethral stricture diseases(S)
7. Explain preparations needed for patients with urethral stricture, Urinary fistulae, sexual dysfunction before surgery(K)
8. Performing surgeries to cure urethral stricture diseases both endoscopic surgeries (S).
9. Explain complications of surgeries urethral stricture, Urinary fistulae, sexual dysfunction and how to avoid or minimize them (K)
10. Manage complications of surgeries for urethral stricture, Urinary fistulae, sexual dysfunction (S)
11. Counsel community and patients on risk factors, indications and contraindications for different treatment and complications of urethral stricture, Urinary fistulae, sexual dysfunction diseases (A)

NORMAL LEARNING MATRIX FOR MMED UROLOGY PROGRAMMES

Course Code	Course Name	Tutorial/seminar	Assignments	Independent studies	Practical Training	Total hours	Total Credit
Year 1: Semester 1							
CW 601	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures	5	45	60	115	225	22.5
BU601	Basics of Urology 1	8.5	81	80	405.5	575	57.5
Total Semester 1		**13.5**	**126**	**280**	**380.5**	**800**	**80.0**
Year 1: Semester 2							
CW602	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures	10	50	40	100	200	20
US602	Urology Specialties 1	25	55	140	325	560	56
US 699.1	Dissertation Proposal Development	2.5	2.5	5	30	40	4
Total		**37.5**	**107.5**	**185**	**455**	**800**	**80.0**
Year 2: Semester 3							
CW603	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures	100	25	100	50	225	12.5
US603	Urology specialties 2	42.5	190	102.5	175	615	61.5
US 699.2	Dissertation Data Collection and Analysis			15	15	30	6.0
Total Semester 3		**7.5**	**180**	**212.5**	**400**	**800**	**80.0**
Semester 4, Year 2							
CW604	Clinical work (ward round, bedside teaching, outpatient clinic, diagnostic & surgical operative procedures		45	50	275	270	27.0
US 604	Urology Specialties 3	77.5	56	67.5	329	530	53.0

Total	**77.5**	**119.5**	**172.5**	**545**	**800**	**80.0**
Total					**3200**	**320.0**

6.2.2.9 MMed in Orthopaedics and Trauma

Programme Description

This training program in orthopaedics 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 characterized by scarcity of highly specialized orthopaedic manpower to undertake much needed orthopaedic treatment and rehabilitation services.

Programme Learning Outcomes (PLOs)

At the end of the programme, the MMed Urology graduates will be able to: -

Knowledge

1. Demonstrate understanding of the pathophysiology, natural history and staging of urological diseases (oncology, stones, infections, functional disorders, paediatric anomalies)
2. Demonstrate understanding of Principles and application of evidence-based medicine, clinical epidemiology and critical appraisal of urology literature and guidelines
3. Analyze Radiologic and laboratory basics: indications, physics and interpretation of ultrasound, CT, MRI, nuclear scans, urodynamics, urinalysis, serum markers (PSA, renal function)
4. Demonstrate understanding of Research methodology and biostatistics: study design, ethics, protocol development, data analysis and interpretation

Skills

1. Perform age- and gender-appropriate history taking and focused physical examination (including DRE, scrotal and genital exam)
2. Generate and prioritize differential diagnoses; select and interpret investigations in a cost-effective manner
3. Perform Office procedures: cystoscopy, prostatic biopsy, urethral catheterization
4. Preform Endourology: TURP, TURBT, ureteroscopy, PCNL
5. Open/laparoscopic/robotic surgery: nephrectomy, prostatectomy, cystectomy, reconstructive repairs
6. Conduct Pre-op risk stratification, anaesthesia coordination, post-op monitoring, pain control, complication management
7. Recognize and manage urinary retention, testicular torsion, priapism, urosepsis, trauma; perform resuscitation and coordinate ICU care
8. Lead informed-consent discussions, shared decision-making, break bad news with empathy
9. Collaborate effectively in multidisciplinary teams, coordinate referrals and care transitions
10. Design and deliver concise, learner-cantered teaching sessions; provide constructive feedback
11. Design, conduct and present clinical or laboratory investigations; publish and present findings
12. Identify system-based care gaps; design, implement and evaluate quality-improvement projects
13. Navigate health-care delivery structures; manage resources and cost-containment; advocate for patient access and prevention programmes

Attitudes

1. Demonstrate integrity, respect, accountability, confidentiality and equity in all interactions

2. Uphold ethical principles and cultural sensitivity; maintain appropriate professional boundaries
3. Seek, accept and incorporate feedback; self-assess and engage in continuous professional development
4. Show initiative and responsibility in service development, team leadership and patient advocacy
5. Mentor juniors and contribute positively to departmental culture and interprofessional relationships

NORMAL LEARNING MATRIX FOR MMED ORTHOPEDICS & TRAUMA PROGRAMME

SEMESTER 1 YEAR 1									
Code	**Course Title**	**Core**	**Lectures**	**Seminars**	**Assignments**	**Ind. Studies**	**Skill Training**	**Total hrs.**	**Credits**
GH 601	Global Health	CORE	3	16	14	25	12	70	7
CP 601	Clinical Physiology	CORE	7	10	10	24	9	60	6
AN 601	Clinical Anatomy	CORE	5	12	15	23	15	70	7
PC 601	Clinical Pharmacology and chemotherapy	CORE	6	34	9	19	2	70	7
AP 601	Applied Pathology	CORE	4	4	2	20	20	50	5
EB601	Epidemiology, Biostatistics and Research Methodology	CORE	6	20	10	54	110	200	20
MI 601	Microbiology and Immunology & Genetics	CORE	12	31	13	12	32	100	10
BE 601	Bioethics	CORE	30	0	10	15	25	80	8
TM 601	Teaching methodology	CORE	11	5	6	8	20	50	5

GN 601	Principles of Genetics	CORE	6	4	12	24	4	50	5
Total semester 1			**89**	**151**	**119**	**179**	**212**	**800**	**80**

SEMESTER 2 YEAR 1									
OT 602	Orthopedic and trauma emergency	CORE	13	40	53	134	450	610	69
RO 602	Radiology in orthopedics	CORE	4	7	15	24	60	110	11
Total Semester 2			**17**	**47**	**66**	**160**	**510**	**800**	**80**

SEMESTER 3 YEAR 2									
GM 701	General musculoske letal injuries	CORE	12	50	40	170	528	800	80
Total Semester 3			**12**	**50**	**40**	**170**	**528**	**800**	**80**

SEMESTER 4 YEAR 2									
RP 702.1	Research Proposal development	CORE	5	15	10	80	50	160	16
OA 702	General orthopedics adults	CORE	18	60	62	78	422	640	64
Total Semester 4			**23**	**75**	**75**	**145**	**482**	**800**	**80**

SEMESTER 5 YEAR 3									
OC 801	General Orthopedic children	CORE	20	105	75	160	290	640	64
PD801	Data collection	CORE	5	15	10	80	50	160	16

	and Data Analysis								
Total Semester 5			**25**	**120**	**85**	**230**	**340**	**800**	**80**
SEMESTER 6 YEAR 3									
RW 802	Report writing and submission	CORE	0	15	150	100	215	480	48
BS 802	Orthopedics biomechanics and Sports Medicine	CORE	50	50	50	50	120	320	32
Total semester 6			**50**	**65**	**200**	**150**	**335**	**800**	**80**
SEMESTER 7 YEAR 4									
OS 901	Orthopedic Specialties	CORE	21	42	125	150	462	800	80
Total Semester 7			**21**	**42**	**125**	**150**	**462**	**800**	**80**

SEMESTER 8 YEAR 4									
AA 902	Arthroplasty and Arthroscopy	CORE	20	90	90	100	350	650	65
LM 902	Leadership and Management	CORE	4	20	16	30	80	150	15
Total Semester 8			**20**	**110**	**110**	**130**	**430**	**800**	**80**
TOTAL PROGRAMME								**6400**	**640**

6.2.2.10 MMed in Otorynolaryngology (ENT)

Programme Description

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

Programme Learning Outcomes (PLOs)

At the end of this programme graduates will be able to: -:

1. Upon completion of training, a resident is expected to be a competent specialist, capable of assuming a consultant's role in the specialty of Otorhinolaryngology.
2. The resident must have a working knowledge of the theoretical basis of the specialty, including its foundations in the basic medical sciences and research.
3. The specialist in Otorhinolaryngology employs pertinent methods of prioritization, assessment, intervention, resuscitation, and further management of patients and appropriate procedural and pharmacotherapeutic interventions.
4. The future Otorhinolaryngologist possesses organizational skills in department management and surgical procedures.
5. Ability to interface with and play a leadership role in the development and organization of Otorhinolaryngology emergencies services and hospital care.
6. Residents must demonstrate the prerequisite knowledge, skills and attitudes for effective patient-cantered care and service to a diverse population.
7. In all aspects of specialist practice, the graduate must be able to address ethical issues and issues of age, gender, sexual orientation, culture, and ethnicity in a professional manner.
8. The Otorhinolaryngologist can incorporate these perspectives in research methodology, data presentation, analysis and publications.

NORMAL LEARNING MATRIX FOR MMED OTORYNOLARYNGOLOGY PROGRAMME

Course Codes	Course Name	Course Status	Lecture (Hrs.)	Tutorial/Seminar (Hrs.)	Assignment (Hrs.)	Independent Study (Hrs.)	Practical (Hrs.)	Total (Hrs.)	Credits
Year 1: Semester 1									
CP 601	Clinical Physiology	Core	15	17	29	16	3	80	8.0
CL 601	Clinical Pharmacology and chemotherapy	Core	5	15	10	20	5	55	5.5
ER 601	Epidemiology, Biostatistics and Research Methodology	Core	-	24	30	30	36	120	12.0
MI 601	Microbiology and Immunology	Core	10	40	30	10	20	110	11.8
BE 601	Bioethics	Core	10	22	12	7	9	60	6.0
TM 601	Teaching methodology	Core	15	10	10	15	10	60	6,0
GH 600	Introduction to Global Health	Core	6	14	32	24	4	80	8.0
GN 600	Principles of Genetics	Core	6	14	32	24	4	80	8.0
AN 600	Clinical Anatomy	Core	8	12	11	7	16	64	6.4
Total Semester 1			**75**	**168**	**196**	**353**	**107**	**800**	**80.0**
Year 1: Semester 2									
OL601	Otology & Neuro-otology	Core	40	120	40	145	215	800	80.0
Total Semester 2			**40**	**120**	**40**	**145**	**215**	**800**	**80.0**
Year 2; Semester 3									
OL602	Rhinology	Core	70	275	80	150	225	800	80.0
Total semester 3			**70**	**275**	**80**	**150**	**225**	**800**	**80.0**
Year 2: Semester 4									
Ol 699.1	Dissertation Proposal development	Core	5	15	10	80	50	160	16.0
OL603	Laryngology	Core	65	105	110	145	215	640	64.0
Total semester 4			**70**	**275**	**80**	**150**	**225**	**800**	**80.0**
Year 3: Semester 5									
OL 699.2	Data Collection & Analysis	Core	5	15	10	80	50	160	16.0

OL604	Paediatric otorhinolaryngology	Cor e	60	152	62	116	250	640	64.0
Total Semester 5			**70**	**120**	**120**	**225**	**265**	**800**	**80.0**
Year 3: Semester 6									
OL605	Clinical Decision-Making in Otorhinolaryngology	Core	0	110	105	25	80	320	32.0
DS699.3	Report Writing & Dissemination submission	Cor e	0	200	90	50	140	480	48.0
Total semester 6			**26**	**270**	**146**	**131**	**227**	**800**	**80.0**
Year 4: Semester 7									
ER600	External Clinical Apprentice	Cor e	0	80	40	80	300	500	50.0
LM60 8	Leadership and management	Cor e	15	45	15	75	150	300	30.0
Total semester 7			**20**	**90**	**50**	**380**	**350**	**800**	**80.0**
SEMESTER 8									
Year 4: Semester 8									
OL 604	Head and Neck Surgery	Cor e	60	90	50	380	310	800	80.0
Total semester 8			**60**	**90**	**50**	**380**	**310**	**800**	**80.0**
Programme Hrs. and Credits								**6400**	**640.0**

6.2.2.11 MMed in Anaesthesia

Programme Description

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

Programme Learning Outcomes (PLOs)

At the end of this programme the graduates will be able to: -

1. Practice the highest quality clinical Anaesthesia, critical

care, pain management and related care services that respond to community needs and are geared towards improving the quality of life.

2. Apply biomedical sciences knowledge to the practice of evidence-based Anaesthesia and critical care service provision.
3. Plan and execute Anaesthesia and critical care management using evidence-based medicine and cost-effective interventions in an integrated manner.
4. Develop therapeutic relationships with patients/families, counsel and build partnerships to empower families to make informed decisions about available and the proposed management plan.
5. Create effective communication with the health care team that ensures a sound understanding of the management and continuity of care within the context of contemporary information and communications technology.
6. Assemble and communicate educational information to juniors, colleagues, individual patients/caretakers and communities.
7. Appraise an atmosphere of cooperative learning to foster interaction during teaching and learning sessions and check understanding.
8. Use available resources rationally to improve the quality of Anaesthesia, critical care and related services
9. Design the highest quality Anaesthesia, critical care and related management plan that is geared towards improving the quality of life.
10. Identify shortcomings of health systems at any level and recommend and/or act appropriately
11. Propose strategies that will improve the quality of patient care in Anaesthesia, critical care and related health services
12. Demonstrate behaviours consistent with acceptable professional ethical conduct

13. Demonstrate ability for lifelong learning and Professional Development.

NORMAL LEARNING MATRIX FOR MMED ANESTHESIA PROGRAMME

Course Code	Course	Core	Tutorial/ Seminar	Assignments	Ind. Studies	Skill Training	Total Hrs.	Credits
Year 1: Semester 1								
ER 601	Epidemiology, Biostatistics and Research Methodology	Core	54	30	30	36	120	12
CL 601	Clinical Pharmacology and chemotherapy	Core	33	32	40	8	113	11.3
MI 601	Microbiology and Immunology	Core	43	13	12	32	100	10.0
BE 601	Bioethics	Core	32	12	7	9	60	6.0
TM 601	Teaching methodology	Core	35	8	4		60	6.0
AN 610	Applied clinical Anatomy	Core	25	31	30	25	111	11.1
AN 611	Applied clinical physiology	Core	25	31	30	35	121	12.1
AN 612	Applied clinical Pharmacology	Core	25	31	30	26	112	11.2
Total Semester 1			**272**	**161**	**183**	**184**	**800**	**80.0**
Year 1: Semester 2								
AN 613	Applied physics and clinical measurements	Core	26	20	54	100	200	20.0
AN 614	Basics of Critical care Medicine	Core	15	5	30	50	100	10
AN 615	Principles of safe Anaesthesia practice for general surgery	Core	60	20	120	200	400	40
AN 616	Acute Pain medicine	Core	9	9	27	55	100	10
Total Semester 2			**110**	**54**	**231**	**405**	**800**	**80.0**
Year 2: Semester 3								
AN 620	Anaesthesia for ENT, Urology, Ophthalmology and Dental	Core	48	14	88	200	350	35.0

AN 621	Anaesthesia for OBGY	Core	24	12	60	158	254	25.4
AN 622	Regional Anaesthesia for Basic blocks	Core	28	14	56	98	196	19.6
Total Semester 3			**100**	**40**	**204**	**456**	**800**	**80.0**
Year 2: Semester 4								
AN 699.1	Dissertation: Proposal Development	Core	20	10	80	50	160	16
AN 624	Anaesthesia for coexisting diseases	Core	60	20	120	240	440	44.0
AN 625	Critical care medicine	Core	30	10	60	100	200	20.0
Total Semester 4			**110**	**40**	**260**	**390**	**800**	**80.0**
Year 3: Semester 5								
AN 699.2	Dissertation- Data Collection & Data Analysis	Core	42	14	84	140	176	17.6
AN 631	Chronic Pain medicine	Core	30	15	55	100	200	20.0
AN 632	Anaesthesia and Paediatric and Geriatric population	Core	60	20	120	240	440	44.0
Total 5 Semester			**132**	**61**	**264**	**448**	**800**	**80.0**
Year 3: Semester 6								
AN 699.3	Dissertation Manuscript preparation, Submission and dissemination	Core	200	90	50	140	480	**48.0**
AN 634	Advanced Critical care medicine	Core	26	13	25	36	100	**10.0**
AN 635	Anaesthesia for Orthopaedics, Trauma, and Neurosurgery	Core	55	20	55	90	220	**22.0**
Total Semester 6			**135**	**47**	**269**	**451**	**800**	**80.0**
Year 4: Semester 7								
AN 643	External Clinical Apprenticeship	Core	18	18	90	248	374	37.4
AN 644	Quality, leadership, and management in Anaesthesia	Core	42	42	114	228	426	42.6
Total Semester 7			**61**	**61**	**209**	**469**	**800**	**80.0**

Year 4: Semester 8								
AN 643	External Clinical Apprenticeship	Core	18	18	90	248	374	37.4
AL644	Quality, leadership, and management in Anaesthesia		42	42	114	228	426	42.6
Total Semester 8			**61**	**61**	**209**	**469**	**800**	**80.0**
Programme Hours And Credits							**6400**	**640.0**

6.2.2.12 MMed in Emergency Medicine

Programme Description

The practice of Emergency Medicine encompasses the pre-hospital and in-hospital reception, resuscitation, and management of undifferentiated urgent and emergency cases until discharge from the Emergency Department or transfer to the care of another hospital department.

The aim of the MMed Emergency Medicine program is to train competent medical specialists in Emergency Medicine with expertise in diagnosing and managing common emergency conditions. The trainees of this programme will also be skilled to work with multi-disciplinary teams, unit leadership, communicate efficiently with patients, clients, and the community, and develop the correct attitude that commits them to the highest standards of care and of ethical and professional behaviours within the specialty of Emergency Medicine

Programme Learning Outcomes (PLOs)

At the end of this programme graduates will be able to:

1. Demonstrate understanding of the theoretical basis of the specialty, including its foundations in the basic medical sciences and research.
2. Employ pertinent methods of prioritization, assessment, intervention, resuscitation, and further management of patients to the point of transfer. Appropriate procedural and pharmacotherapeutic interventions are central to these abilities.

3. Demonstrate organizational skills in emergency department management and disaster management, and the ability to interface with and play a leadership role in the development and organization of emergency medical services and prehospital care.
4. Demonstrate the requisite knowledge, skills and attitudes for effective patient-centred care and service to a diverse population.
5. Address ethical issues and issues of age, gender, sexual orientation, culture, and ethnicity in a professional manner.
6. Incorporate the perspectives in research, data presentation, and analysis in practice.

NORMAL LEARNING MATRIX FOR THE MMED IN EMERGENCY MEDICINE

Course Code	Course Title	Core/Elective	Lectures	Seminars	Assignments	Ind. Studies	Skill Training	Total Hrs.	Credits
CP 601	Clinical Physiology	Core	6	30	30	35	4	105	10.5
CL 601	Clinical Pharmacology and chemotherapy	Core	6	70	9	20	4	109	10.9
ER 601	Epidemiology, Biostatistics and Research Methodology	Core	6	20	10	22	18	86	8.6
MI 601	Microbiology and Immunology	Core	5	70	10	20	5	110	11
BE 601	Bioethics	Core	30	0	10	20	0	60	6

TM 601	Teaching methodology	Core	20	0	0	10	0	30	3
EM 601	Introduction to EM	Core	10	47	19	74	150	300	30.0
Total semester 1			**83**	**237**	**88**	**201**	**191**	**800**	**80.0**
Year 1: Semester 2									
EM 602	Principles and practice of EM -1	Core	20	100	50	220	410	800	80.0
Total Semester 2			**20**	**100**	**50**	**220**	**410**	**800**	**80.0**
Year 2: Semester 3									
EP 603	Paediatric EM-Module 1	Core	8	16	8	48	80	160	16.0
CR 603	Clinical rotation in Surgery, Trauma and OBGYN	Core	20	60	24	160	346	610	61.0
EM 699.1	Proposal Development and Research Question formulation	Core	4.5	0	1.5	9	15	30	3.0
Total Semester 3			**32.5**	**76**	**33.5**	**217**	**441**	**800**	**80.0**
Year 2: Semester 4									
EM 604	Principles and practice of EM - 2	Core	31	62	31	186	230	540	54.0
EA 604	Anaesthesia	Core	8	16	8	48	80	160	16.0
EM 699.2	Dissertation-Proposal Development and Ethical Clearance	Core	5	10	5	30	50	100	10.0
Total Semester 4			**44**	**88**	**44**	**264**	**360**	**800**	**80.0**
Year 3: Semester 5									
EC 605	Critical Care	Core	12	44	22	132	110	320	32.0

EM 605	Principles and practice of EM - 3	Core	16	32	16	48	248	360	36.0
EM 699.3	Dissertation-Data Analysis and Report writing-	Core	0	0	0	0	120	120	12.0
Total Semester 5			**28**	**76**	**38**	**180**	**478**	**800**	**80.0**
Year 3: Semester 6									
CR 606	Clinical rotation in Psychiatry, Ophthalmology, Dental and ENT	Core	37	74	37	130	382	660	66.0
EM 699.4	Dissertation-Submission, Defence Module 4	Core	0	0	0	0	140	140	14.0
Total Semester 6			**37**	**74**	**37**	**130**	**522**	**800**	**80.0**
Year 4: Semester 7									
EM 607	External Clinical Apprenticeship	Core	10	0	10	60	240	320	32.0
ED 607	Disaster Medicine	Core	8	16	8	48	80	160	16.0
EP 607.2	Paediatric EM-Module 2	Core	8	20	16	96	180	320	32.0
Total Semester 7			**26**	**36**	**34**	**204**	**500**	**800**	**80.0**
Year 4: Semester 8									
EM 608	Leadership, innovation, and Clinical governance	Core	0	40	20	240	500	800	80.0
Total Semester 8			**0**	**40**	**20**	**240**	**500**	**800**	**80.0**
Programme hours and Credits								**6400**	**640.0**

6.2.2.13 MMed in Anatomic Pathology

Programme Description

The Anatomic Pathology residency programme provides educational opportunities that thoughtfully guide and allow residents to develop meaningful and productive careers relevant to the community, academia, the industry, and other areas. The Anatomic Pathology Residents acquires diagnostic competencies and abilities for adequate diagnostics, care and quality implementation of Anatomic Pathology Services and serve patients and community with dignity and excellence.

The Anatomic Pathology programme provides opportunities for further specialization in selected areas of anatomic pathology by the resident such as neuropathology, surgical pathology, morbid anatomy, endocrine pathology, gastrointestinal pathology, Nephropathology and others

Programme Learning Outcomes (PLOs)

At the end of this programme the graduates will be able to: -

1. Demonstrate understanding of established, emerging and evolving biomedical, clinical, and cognate (e.g., epidemiological and social-behavioural) sciences and apply it to anatomic pathology.
2. Adjust to the continuously changing health sciences milieu, different pathology practices and settings guided by learning from practice.
3. Evaluate and assimilate scientific evidence and contribute to the advancement of health sciences knowledge through investigating and evaluating personal diagnostic and consultative practices that improve individual care practices.
4. Support clinical team as a knowledgeable, proficient, and respected consultant.

5. Demonstrate interpersonal and communication skills that cultivate effective relationships, exchange of information and learning with other health care providers, patients, and families, while teaching, guiding, and inspiring students and other professionals, thus bridging gaps between the biomedical and clinical sciences through an integrated understanding of anatomic pathology.
6. Demonstrate a commitment to carrying out professional responsibilities by adhering to ethical principles while showing sensitivity to the cultural diversity of the patients' population.
7. Practice within the context and systems of health care and call on system resources to provide anatomical pathology services that are of optimal value.
8. Apply leadership and managerial skills to offer the best service possible to patients, physicians, and the community.

NORMAL LEARNING AND COURSE MATRIX FOR MMED ANATOMIC PATHOLOGY PROGRAMME

Course code	Course Name	Core or elective	Tutorial/ Seminar (Hrs.) 15%	Assignment (Hrs.) 5%	Independent Study (Hrs.)	Practical (Hrs.) 50%	Total (Hrs.) 100%	Total Credits
Year 1: Semester 1								
PA 600	Principles of General and Anatomic Pathology	Core	70	23	141	235	469	46.9
BM 600	Molecular Biology	Core	34	8	47	76	155	15.5
ER 600	Epidemiology and Research Methodology	Core	12	4	26	44	86	8.6
TM	Teaching Methodology	Core	4	2	9	15	30	3.0
EE 600	Bioethics	Core	9	3	18	30	60	6.0
Total Semester 1			**129**	**40**	**241**	**400**	**800**	**80.0**
Year 1: Semester 2								

PA 601	Surgical Pathology- 1	Core	72	24	144	240	480	48.0
PA 602	Laboratory Methods and cancer registry	Core	48	16	96	160	320	32.0
Total Semester 2			**120**	**40**	**240**	**400**	**800**	**80.0**
Year 2: Semester 3								
PA 603	Surgical Pathology-2	Core	39	14	79	132	264	26.4
PA 604	Advanced Lab methods	Core	39	14	79	132	264	26.4
PA 699.1	Dissertation Proposal	Core	41	14	82	135	272	27.2
Total Semester 3			**119**	**42**	**240**	**399**	**800**	**80.0**
Year 2: Semester 4								
PA 605	Forensic and Clinical Autopsy	Core	84	28	168	280	560	56.0
PA 699.2	Dissertation Data Collection and Analysis	Core	36	12	72	120	240	24.0
Total Semester 4			**120**	**40**	**240**	**400**	**800**	**80.0**
Year 3: Semester 5								
PA606	Junior Pathology practice	Core	84	28	168	280	560	56.0
PA699.3	Dissertation Module 3	Core	36	12	72	120	240	24.0
Total Semester 5			**120**	**40**	**240**	**400**	**800**	**80.0**
Year 3: Semester 6								
PA607	Senior pathology practice	Core	84	28	168	280	560	56.0
PA699.4	Dissertation Module 4	Core	36	12	72	120	240	24.0
Total Semester 6			**120**	**40**	**240**	**400**	**800**	**80.0**
Year 4: Semester 7								
PA 608	External Pathology rotation	Core	70	35	240	400	800	80.0
Total Semester 7			**70**	**35**	**240**	**400**	**800**	**80.0**
Year 4: Semester 8								
PA609	Revision	Core	10	90	500	200	800	80.0
Total Semester 8			**10**	**90**	**500**	**200**	**800**	**80.0**
Programme Hours and Credits							**6400**	**640.0**

6.2.3 Master of Science Super-Specialisation Programmes

Programmes Description

The Master of Science (MSc) Super-specialization programmes are *two-year* clinical super-specialty training programmes offered to holders of a postgraduate clinical degrees in medicine, usually Master of Medicine (MMed) degrees holders.

The programmes cover the areas such as cardiology, cardiothoracic anaesthesia super specialties, critical care super specialties, cardiothoracic surgery, gastroenterology, hepatology, surgical gastroenterology surgical hepatology, nephrology, neurology, neurosurgery, respiratory medicine, clinical paediatric surgery, neonatology, critical care medicine, rhinology, paediatrics urology, gyno-urology, uro-oncology, andrology, in-vitro fertilization, laparoscopic urology, and reconstruction surgery.

The programmes are intended to provide high-level competent physicians with proficiency in specialized fields of clinical and surgical medicine. Thus, candidates will register on a full-time for four semester-period to undertake coursework and work-based training of experts through a programme geared towards acquisition of competencies by performing a required number of procedures first with supervision but later without supervision. Candidates shall be required to carry out clinical audits that will be graded and to contribute to the Summative Assessment (SA). *Application, admission and registration procedures are available in the Postgraduate Regulations and Guidelines on the KCMC University website.*

6.2.4 Doctor of Philosophy (PhD) Programmes

Programme Description

This is a 4 to 6-year programme requiring **540 credits** of experiential learning based on research and publications. As PhD programmes elsewhere the students assume more

responsibility in his/her teaching and learning guided by the supervisor. Students shall attend supervisor guided specialised courses for the area of study in and outside the university in the form of seminars, workshops or state of the art courses. The student shall accumulate sufficient credits from these experiences to the satisfaction of the Supervisors and the department. In addition, students shall accumulate credits through attendance to national and international conferences, presentation of papers and abstracts in national and international conferences.

The supervisors are mandated to assess the students formatively and summative but there shall be formally organized classroom teaching or examinations like in master's and undergraduates; this will mostly be work based teaching and work-based assessment, assessment of presentations, assessment and grading of the proposal and finally the dissertation and the publications.

Publications shall be based on results from objectives as proposed in the final PhD proposal. The proposed research project shall be relevant and of acceptable scientific standards. Both the preliminary and final PhD proposal shall specifically indicate how the minimum requirement of 3 papers in 2 or more different peer-reviewed journals will be achieved.

Programme Learning Outcomes

Upon completion of the programme the graduates will be able to:

1. Identify knowledge gaps, synthesize relevant information, develop focused research questions, and lead research independently.
2. Demonstrate and/or work with a critical understanding of the principal theories and concepts in the field of his/her study.
3. Generate knowledge through personal research or equivalent contribution to the development of the

subject/discipline, judged by independent experts applying international standards.

4. Apply knowledge and do advanced research resulting into significant and original contributions to a specialized field.
5. Demonstrate a command of methodological issues and engage in critical dialogue with peers, able to work autonomously and in complex and unpredictable situations.
6. Demonstrate creativity and teaching skills, including student supervision, in working with students and other professionals in academic, research or practice settings.
7. 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.
8. Employ skills, practices and/or materials which are specialized or at the forefront of a subject/discipline.
9. 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.
10. Design and conduct original research with scholarly integrity that contributes to knowledge or innovation.
11. 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,
12. Design and implement research based on ethical and professional integrity.

NORMAL LEARNING MATRIX FOR PhD PROGRMMES

In addition to other experiential learning the student research study is organized into modules as follows: -

Year 1: Proposal Development, Ethical Approval, and basic courses *(Module 1: HD 699.1)*

Year 2: Data collection and basic courses *(Module 2: HD 699.2)*

Year 3: Data analysis, Publications and Conferences *(Module 3: HD 699.3)*

Year 4: Finalize publication and thesis writing *(Module 1: HD 699.1)*

The other courses for the PhD programme and the dissertation are arranged in a Normal Learning Matrix as follows: -

Codes	Course/Module Title	Seminars/presentation conferences	Research and Independent study	Total	Total Credits
HD 691	Supervisor identified Relevant and specific courses	60	100	160	16.0
HD692	Advanced statistical analysis	45	70	115	11.5
PD 693	Research ethics/GCLP/GCP	30	50	80	8.0
HD 694	Systematic literature review and scientific writing weeks	30	50	80	8.0
HD 695	Introduction to global health	30	50	80	8.0
HD 696	Teaching methodology	15	30	45	4.5
HD 697	Teaching responsibilities	0	120	120	12.0
HD 690	Supervision of undergraduate/ co- supervision of postgraduate (2 students)	0	40	40	4.0
HD 699.1	Presentation in academic forums (2 times)	0	20	20	2.0

PD 699.2	Oral or poster presentation at national/international conferences (at least two)	0	20	20	2.0
PD699.3	Research courses (2) @ 1 weeks	30	50	80	8.0
PD 699.4	Module 1 - article 1	0	1520	1520	152
PD 699.4	Module 2 – article 2	0	1520	1520	152
PD 699.4	Module 3 – article 3	0	1520	1520	152
Total		**240**	**5160**	**5400**	**540.0**

7.0 DUAL REGISTRATION FOR POSTGRADUATE STUDIES

7.1 General Information

KCMC University has several partnerships with other academic institutions in postgraduate training. Under these arrangements, postgraduate students are allowed to register in different universities to conduct part of their coursework or research at the other University and vice versa. The awards obtained through this arrangement will be recognized as *double,* or *dual* or *joint* postgraduate degrees for postgraduate diploma, master, or PhD programmes meaning the candidate will obtain the qualification from two different institutions. The awarding of university degrees for graduating students shall be contingent upon meeting the degree requirements of the *KCMC University* and *the other University* separately or as per the terms of agreement between *KCMC University* and *the other University*.

7.2 Eligibility for Dual, Double or Joint Degree Programme

(i) Registration shall be allowed for postgraduate diploma, master, or PhD students.

(ii) Registration shall apply to sandwich programmes as well as other programmes, which can be implemented jointly by the KCMC university and another collaborating University.

(iii) The programmes shall be available to Tanzanians and non-Tanzanians studying at KCMC University.

7.2 Application and Registration

(i) Depending on the agreement between KCMC University and the partner University, the main University where the student registers shall be regarded as the primary University. The other University shall be considered a secondary University.

(ii) Application and registration at KCMC University will follow the procedures for application and registration for master and PhD programmes.

(iii) Application and registration at the collaborating University will follow procedures stipulated by the respective University.

(iv) Registration at KCMC University shall be renewed at the beginning of each academic year like the regular programmes.

(v) The KCMC University shall enter and sign an agreement with the other University, for the purpose of conducting a dual, joint or double degree, detailing the operational procedures.

(vi) After signing the agreement for dual, joint or double degree, with another University, KCMC University shall notify Tanzania Commission for Universities (TCU) for information, on the existence of that arrangement and registration or degree.

7.3 Supervision and Assessment

(i) Students under the dual registration scheme shall have at least two supervisors, one from KCMC University and another from the partner University.
(ii) The student may also have two co-supervisors, one from each university, as the circumstances may dictate.
(iii) The eligibility and qualification of supervisors are similar to those prescribed for regular Master's and PhD programmes as prescribed in the KCMC University Postgraduates Supervision Policy, Guidelines and Procedures (2024 and 2026), and Standards and Guidelines for University Education in Tanzania (2019), Standard 4.18, and its addendum – Standards and Guidelines for Postgraduate Studies, Research and Innovation (2023), and KCMC University Postgraduate Regulations *(Regulation 6.4).*
(iv) The maximum registration tenure, student supervision procedures, and evaluation process shall follow the KCMC University procedures for master and PhD programmes as stipulated in these KCMC University Postgraduates Supervision Policy, Guidelines and Procedures, this Prospectus and KCMC University Regulations *(Regulation 4.5)*
(v) The Assessment for postgraduate students on joint, dual or double degree programme shall be like those of regular students as prescribed in this Prospectus and Postgraduate Regulations *(Regulation 9.0).*

7.4 Fee Structure for Dual Registration

(i) The fees shall be like the master's and PhD programmes prescribed in the university prospectus.
(ii) Only candidates who are primarily registered at KCMC University shall pay the full tuition fee to this university.
(iii) Students who are secondarily registered at KCMC University shall pay a bench fee according to the

agreement between KCMC University and the partner University

8.0 UNIVERSITY SUPPORT UNITS

8.1 Directorate of Research, Publications, and Consultancy

Introduction

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

Objectives

(i) To define research priorities falling within national research priorities in solving local and regional health problems.

(ii) To inculcate a research culture and individual initiatives among staff and the community.

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

(iv) To encourage collaborative research between scientists inside and outside the country.

To achieve the above objectives, the following strategies have been adopted:

Strategies

(i) Research priorities will be reviewed regularly

(ii) Establishing a Research Department and computerization of inventory of ongoing and past research to facilitate utilization of reliable data on

major health problems.

(iii) Workshops will be held regularly to provide training in research methodology.

(iv) Core funding for priority health and biomedical research.

(v) Annual University estimates will be worked out to sustain research activities.

(vi) The University Research and Ethical Committee will clear all research by the University members of staff.

Guidelines for Conducting Research

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 University Research Ethics Committee is authorized to issue research clearance for proposals submitted by KCMC University/KCMC staff members.

Investigators

All research to be conducted at KCMC University/KCMC must have a senior KCMC University staff member competent in the field of study, as a Principal Investigator (PI) or Co - PI.

Research Priority Areas

(i) Infectious diseases, especially malaria, HIV/AIDS, TB, and diarrheal.

(ii) Non-communicable diseases which include cardiovascular diseases, physical disabilities, diabetes, and nutritional diseases

(iii) Malignancies.

(iv) Social-cultural practices in health.

Capacity Building
This will include: -

(i) Human resource development through training and recruitment of local personnel.
(ii) Scientific exchange, knowledge, and skills transfer.
(iii) Essential equipment and/or infrastructure.

The Budget
The budget must be adequate to cover: -

(i) Research staff salaries, honoraria, or allowances and periderms for all local participating staff.
(ii) Training – short and/or long courses depending on project size.
(iii) Institutional costs which include 10 % of budget costs as overheads.

Ethical issues
Health research must maintain ethical standards outlined in the "Guidelines on Ethics for Health Research in Tanzania".

Research output
Research proposals must address: -

(i) Clear procedures for information dissemination.
(ii) Where the results will be published, Order of authorship.
(iii) Acknowledgement of sponsor, participating institution, and support staff.

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.

Archived Specimens
Where archived are required for another experiment,

investigators must submit a new application for ethical clearance.

Patent Rights and Sharing of Benefits
In research involving commercial products, collaborators should draw contract agreements detailing, among other issues: -

(i) How intellectual property rights matters shall be dealt with.
(ii) Anticipated benefits and risks that may have to be shared.

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.

8.2 The Directorate of Library Services

Introduction

The Directorate of Library Services (DLS) is a treasure trove of resources, including books, printed journals, monographs, reports, newsletters, and copies of students' dissertations and theses. DLS aims at providing quality health information resources and services to support the integral KCMC University's goals of training, research, and healing.

DLS largely comprises a hybrid library (Conventional and E-library) with five (5) operational service points, including Special Reserve, General Circulation, Periodicals, Bag Deposit, and Reference Services. There are also specialized libraries located within schools, directorates and departments, including

Dermatology and Ophthalmology, that support the provision of library resources and services for specific academic needs.

The Conventional Library

The Conventional Library has a seating capacity of 110 (23%) of the user population. The Conventional Library houses an impressive collection of 2,916 resources, totaling 5,473 volumes, with a ratio of 1.2 books per student.

Reference Services

(i) Directional
(ii) Research questions
(iii) Search questions
(iv) Ready/ Quick Reference question

Key Service Points

(i) General Collection
(ii) Special Reserve
(iii) Periodicals
(iv) Bag Deposit
(v) Information Desk
(vi) Computer Point

E-Library

The E-Library provides e-books, e-journals, e-articles and e-reports from platforms such as PDF Drive, E-Books Directory, E- Books for Doctors, The New England Journal of Medicine, Research4Life (Hinari, AGORA, OARE & ARDI), Subscribed Resources (Via Consortium of Tanzania University and Research Libraries – COTUL including:

(i) EBSCOhost
(ii) Taylor & Francis Online
(iii) Emerald Insight

(iv) Wiley Online Library
(v) JSTOR
(vi) UpToDate (accessible via KCMC/KCMC University registered IP addresses)
(vii) Triple Medical Database and Open Access Resources (accessible via search engines) including:
(viii) Google Scholar
(ix) Academia-Edu
(x) BASE (Bielefeld Academia Search Engine)

Institutional Repository
The E-Library also offers the Institutional Repository (IR), which contains 2037 online information materials, including research reports and journal articles.

Opening Hours

Season	**Days**	**Opening Hours**
	Monday- Friday	9:00 AM- 10:00 PM
	Saturdays	9:00 AM-6:00 PM
	Sundays and Public Holidays	The library is Closed
Vacations	Monday-Friday	9:00 AM-3:30 PM

Library Guides, Rules and Regulations
Library regulations are designed to create a conducive and comfortable learning environment for all library users, and ignorance of these shall not be accepted as an excuse for their non-observance.

Borrowing

(i) Books can only be borrowed using a current student card.
(ii) Library resources shall not be taken out of the library unless properly issued.
(iii) All borrowers shall be required to present their identity cards at the issue desk every time they visit the library.

(iv) Library materials borrowed must be returned on or before the due date.
(v) Student cards should not be loaned/transferred to other readers.
(vi) Lost cards should be reported immediately to the library.

Loans of Information Material/ Resources: Lending is available for books on open shelves and Special Reserve based on long and short loans stipulated in the matrix as follows:

Borrowing Matrix

Patron Category	Long Loan (Max. no. of	Period (Days)	Short Loan (For 2 hours)
Academic Staff	2	15	1
Administrative	2	14	1
Postgraduate	2	7	1
Undergraduate	1	7	1
Diploma	1	7	1

Overdue Books

(i) Books shall be returned by the due date or earlier if recalled by the Librarians.
(ii) Failure to return a book by the date specified shall be treated as a serious offence.
(iii) The Librarians shall endeavour to send overdue notices but shall not be held responsible for non-delivery under whatever circumstances.
(iv) Any borrower, including a member of the academic staff, who fails to return/renew a book on the due date shall be liable to a fine of 500/- per book per day until the book has been returned.

Renewal

At the end of the loan period, books borrowed shall be either returned or renewed. A book may only be renewed once and provided that another reader has not requested it.

Loss and Damage of Library Materials

(i) Damaged books shall be charged as a lost book or the re-binding costs, whichever is appropriate.
(ii) Lost book shall incur a cost, and the cost shall be calculated by the replacement value of the book, which may exceed the original cost of the item, plus an administrative charge. If the title is not in print, it shall be replaced by something similar in content and price.
(iii) Readers must not damage or deface library property, and the cost of replacement shall be charged if an item on loan is found to be damaged on return.

Fines

Any library user who refuses to pay the fines or replacement cost of lost books shall be liable to have these costs recovered. In case of staff and students, the fines or replacement costs shall be recovered through salary or caution monies for staff and students, respectively.

General Rules

(i) Library users shall show a valid ID when entering the library.
(ii) Library clearance involves all students before leaving the University. In the case of members of staff, clearance is maintained when her/his employment with the University terminates or when she/he leaves the University for more than one academic year for any reason such as studies, secondment, leave without pay, medical treatment etc.
(iii) Books may not be transferred from one reader to another without being returned to the library for re-issue. If any

such unofficial transfer takes place, the original borrower shall be held responsible for the books in question.

(iv) Library staff may examine personal property being brought into the library and bags on leaving.

(v) Readers shall not write in, mark, or otherwise deface or damage library material or equipment in any way.

(vi) The library is a quiet area of study, even quiet conversation can disrupt the work of other readers, hence all conversations should take place outside the library.

(vii) An accident in the library should be reported immediately to library staff.

(viii) The library staff on duty has the right to request a user to leave the premises if he/she is found to be violating any of the library rules and regulations and;

(ix) To prevent misplacement of books on shelves, books should not be re-shelved by readers. They should leave them on the reading tables or trolleys for re-shelving by library staff.

Behaviours in the Library

(i) One should not enter the library with any kind of bags, coats, cases, umbrellas, raincoats or similar personal belongings.

(ii) Placing feet on furniture and sitting on tables are not allowed.

(iii) Seats may not be reserved by placing personal effects on seats or reading tables.

(iv) Mobile phones shall be switched to silent mode before entering the library. and readers found talking on a mobile shall be asked to leave the library.

(v) Library books shall not be taken out of the country, except with the special permission from the Director of Library Services.

(vi) Foods and drinks should not be brought into the library.

(vii) Keeping books on the floor is not allowed.
(viii) Readers shall not engage in the harassment of any other readers or library staff members.
(ix) Readers shall not smoke in any part of a library.
(x) The use of a portable computer or stereo is permitted in the library, provided there are no complaints from other users.
(xi) All users shall follow the dress code of the University while visiting the library.
(xii) Sitting on the stairs/ corridors/ lobby areas is strictly prohibited.

9.0 THE KCMC UNIVESITY TEACHING HOSPITAL

KCMC Teaching Hospital is a referral hospital for the Northern Zone of Tanzania (Kilimanjaro, Tanga, Arusha, Manyara, Dodoma and Singida) Regions. In addition, KCMC has well established Outreach Services and Community Health Services, where its specialists visit 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 ongoing in the KCMC Hospital are intense and varied and receiving patients for specialized disciplines from the whole nation and neighbouring countries. Thus, the hospital is the main teaching hospital for the KCMC University, providing and promoting the right milieu and a very conducive environment for undergraduates and residents teaching and learning.

10.0 STUDENT WELFARE SERVICES

10.1 Hostels and Accommodation

(i) The Kilimanjaro Hostel is within the University campus can accommodate about 44 University students mainly newcomers.
(ii) The Nuru Hostel facilitated by the Good Samaritan Foundation accommodates 60 University students is close-by within one kilometre from the University. Both hostels have food catering services.
(iii) An accommodation in some of the allied sciences schools' hostels is extended to KCMC University students. Some of these hostels have cooking facilities.
(iv) Additional lodging facilities and preferred by students are offered by neighbouring rent houses within two to three kilometres of the University campus.

10.2 Student Activities

Student activities are organized by KCMC University Students Organization (KUSO) and KCMC University (KUSO – KCMC University) Students Organization. They are concerned with student's academic, social, and recreational activities. Plans have been made to expand sports and games facilities to cater for the needs of students and staff.

10.3 Religious Activities

KCMC University is committed to proclaim Christ through increasing number. healing, teaching, and research. It strives to combine professional excellence with a spirit of compassion and servant hood while fulfilling the call of teaching, healing, and research.
Although KCMC University is a Christian institution, students and staff have complete freedom of worship. Membership, too, of the University 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.

11.0 ACADEMIC STAFF LIST

11.1 Directorate of Postgraduate Studies

SN	NAME	POST	QUALIFICATI ONS	CONTACT
1	Prof. Kajiru Kilonzo	Director	MD, MMed (Int Med)	kajiru.kilonzo@kc mcu.ac.tz
2.	Dr. Angela Pallangyo	Deputy Director	MD, MMed (Anat Path)	angela.pallangyo@kcmcu.ac.tz

11.2 Directorate of Research, Publications and Consultancy

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11.3 Directorate of Quality Assurance

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11.4 Directorate of Library Services

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11.5 School of Medicine

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4	Prof. Johnson J. Matowo	Associate Professor	BSc, MSc, PhD	Johnson.matowo@kcmcu.ac.tz
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