

**Ministry of Higher Education and Scientific Research  
Scientific Supervision and Scientific Evaluation Apparatus  
Directorate of Quality Assurance and Academic Accreditation  
Accreditation Department**



**Academic Program  
College of Medicine  
University of Mosul**

## Concepts and terminology:

**Academic Program Description:** The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

**Course Description:** Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

**Program Vision:** An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

**Program Mission:** Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

**Program Objectives:** They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

**Curriculum Structure:** All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

**Learning Outcomes:** A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

**Teaching and learning strategies:** They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

## Academic Program Description Form

University Name: University of Mosul

Faculty/Institute: College of Medicine.

Scientific Department: College of Medicine

Academic or Professional Program Name: Medicine and General Surgery

Final Certificate Name: Bachelor of Medicine and General Surgery

Academic System:

Description Preparation Date: 1/11/2024

File Completion Date: 14/11/2024



Signature:

Head of medical education Unit  
Assist. Prof. Dr. Rana Mumtaz Raouf

Date: 14/11/2024



Signature:

Vice Dean for Scientific Affairs  
Assist. Prof. Dr. Humam Ghanim Zubair

Date: 17/11/2024

The file is checked by: Department of Quality Assurance and University  
Performance

Director:



Assist. Prof. Dr. Omaima Abdulrazzaq Zubair

Date: 17/11/2024

Signature: Omaima Abdulrazzaq Zubair



Approval of the Dean

Prof. Dr. Basil Mohammednathir Saeed

Date: 17/11/2024

## 1. Program Vision and mission

The vision of the College of Medicine lies in its attempt to be one of the leading medical colleges locally, regionally and internationally by providing a high-quality educational medical environment and an educational atmosphere that stimulates creativity and relying on qualified teachers in teaching students and adopting a research program to produce and disseminate theoretical and applied knowledge and its contribution in providing health care to the community through: –

Developing a spirit of belonging among the college's members, staff, students, and graduates.

Graduating competent physicians mastering the fundamental medical knowledge and skills necessary for practicing in the medical field of different specialties according to international standards as well as preserving the social value, being capable of self-learning and professional development.

Developing communication and scientific research skills for medical college students.

Promoting excellence in postgraduate studies and research that work for the local community

Strengthening relationships and Offering patient-centered healthcare to the local community and local health institutions.

The college of Medicine relies on the traditional curriculum in teaching and the students will graduate after passing the theoretical and practical exam to prove their competencies.

The College of Medicine accomplishes its mission by developing and updating the curriculum and the academic program and investing its available human and material resources in the educational and training process. It supports the educational hospitals, promotes community service programs, and develops the environment through awareness campaigns, conferences, scientific seminars, continuous medical education and cooperation agreements with multiple entities to advance medical and research efficiency for the college's affiliates.

## 2. Program Objectives

Expected learning outputs from Medical College graduate:

1. Knowledge and skill in basic and clinical medical sciences.
2. Possess adequate skills for life-saving medical interventions in common and emergency conditions.
3. The ability to work in hospitals and institutions after acquiring the technical skills that qualify him to do so.
4. Having effective communication skills with members of society at all levels.
5. Adherence to the principles of professional and moral responsibility in the practice of the medical profession.
6. Motivation for lifelong learning.

### 3. Program Accreditation

The program is accredited by;

1. Accreditation and Quality Assurance Commission for Higher Education Institutions- AQACHEI/ Jordan (2024-2028)
2. The Nacional Council for Accreditation of Medical Colleges- NCAMC/ (Iraq)

### 4. Other external influences

Requirement of national and international accreditation agencies

### 5. Program Structure

Program Structure	Number of Courses	Credit units	Percentage	Notes*
Institution Requirements	5	10	3.9%	Required
College Requirements	40	249	96.1%	Required
College Requirements/ others	Required research project			

\* This can include notes whether the course is basic or optional.

<b>7 .Program structure</b>				
<b>Educational level</b>	<b>Course code</b>	<b>The name of the course</b>	<b>total hours (hr.)</b>	<b>credits</b>
The first year	MCBi101	Biochemistry	60 theoretical 60 Practical	6
The first year	MCPs102	Medical Physics	45 Theoretical 60 practical	5
The first year	MCAAn103	Anatomy	60 theoretical 120 practical	8
The first year	MCAAn104	Medical Biology and genetics	60 theoretical 60 practical	6
The first year	MCCo105	Foundations of medicine	30 theoretical	2
The first year	MCCu106	Computer	15 theoretical 30 practical	2
The first year	MCHr107	Human rights and democracy	30 theoretical	2
The first year	MCEn108	English	30 theoretical	2
The second year	MCPs201	Physiology	150 theoretical 90 practical	13
The second year	MCAAn202	Anatomy	60 theoretical 180 practical	10
The second year	MCBi203	Biochemistry	90 theoretical 60 practical	8
The second year	MCAAn204	Histology	45 theoretical 90 practical	6
The second year	MCAAn205	Embryology	30 theoretical	2
The second year	MCCo206	Medical Ethics	30 theoretical	2
The second year	MCBp207	Baath Party crimes	30 theoretical	2
The second year	MCCu208	Computer	15 theoretical 30 practical	2
The third year	MCPPh301	Pharmacology	90 theoretical 60 practical	8
The third year	MCMi302	Microbiology	90 theoretical 60 practical	8
The third year	MCMi303	Parasitology	60 theoretical 60 practical	6

The third year	MCPa304	Pathology	120 theoretical 120 practical	12
The third year	MCCo305	Community Medicine	30 theoretical 30 practical	3
The third year	MCMd306	Medicine	60 theoretical 60 practical	6
The third year	MCSu307	Surgery	30 theoretical	2
The Fourth year	MCPa401	Forensic Medicine	60 theoretical (Forensic medicine+ toxicology) 60 practical	6
The Fourth year	MCMd402	Behavioural Sciences	30 theoretical	2
The Fourth year	MCCo403	Community Medicine	105 theoretical 120 practical	11
The Fourth year	MCOg404	Obstetrics	60 theoretical 90 practical	7
The Fourth year	MCMd405	Medicine	135 theoretical 90 practical	12
The Fourth year	MCSu406	Surgery	90 theoretical 90 practical	9
The Fourth year	MCPe407	Pediatrics	15 theoretical	1
The Fifth year	MCMd501	Medicine	75 theoretical 30 practical	6
The Fifth year	MCMd502	Psychiatry	45 theoretical 30 practical	4
The Fifth year	MCMd503	Dermatology	30 theoretical 30 practical	3
The Fifth year	MCSu504	Surgery	90 theoretical 60 practical	8
The Fifth year	MCSu505	Ophthalmology	30 theoretical 30 practical	3
The Fifth year	MCSu506	ENT	30 theoretical 30 practical	3
The Fifth year	MCPe507	Pediatrics	60 theoretical 60 practical	6
The Fifth year	MCOg508	Gynecology	60 theoretical 60 practical	6

The Fifth year	MCSu509	Radiology	30 theoretical 30 practical	3
The Fifth year	MCCo510	Family Medicine	15 theoretical 30 practical	2
The Sixth Year	MCMD601	Medicine	360 practical	12
The Sixth Year	MCSu602	Surgery	360 practical	12
The Sixth Year	MCOg603	Gyne and Obstetrics	300 practical	10
The Sixth Year	MCPe604	Pediatrics	300 practical	10
The Sixth Year	MCRP605	Research Project	Required	

## 6. Expected learning outcomes of the program (Graduate Competencies)

- I. **Knowledge for practice (KP):** Demonstrate knowledge of the already established and continuously evolving biomedical and clinical sciences which enables them to work and pursue a future carrier in any branch of medicine. In addition, demonstrate an efficient application of this knowledge to patient care. CMUM graduates will be able to:
  1. Demonstrate and apply the knowledge related to anatomy, biochemistry, cell biology, genetics, immunology, microbiology, molecular biology, nutrition, pathology, pharmacology and physiology (KP1).
  2. Demonstrate and apply the knowledge and principles related to social and behavioural sciences (including psychology). This includes an assessment of the impact of psychosocial and cultural influences on health, disease, care-seeking, care compliance, and barriers to care delivery (KP2).
  3. Demonstrate and apply the knowledge related to population health, improvement of health and healthcare (KP3)
  4. Demonstrate and apply the knowledge related to different scientific methods and approaches to medical research (KP4).
  5. Demonstrate and apply the knowledge of a range of alternative and complementary therapies. The reason why some patients use them, and how these might affect other types of treatment that patients receive (KP5).



6. Demonstrate and apply the knowledge related to the role that lifestyle, including diet and nutrition, can play in promoting health and preventing disease (KP6).
7. Gain, assess, apply and integrate new knowledge that emerges throughout their professional life (KP7).

II. **Patient care (PC):** Provide patient-centred care that is appropriate and effective for the treatment of health problems and the promotion of health. CMUM graduates will be able to:

1. Gather, document, and effectively present essential and accurate information about patients and their conditions through history-taking, physical examination and an assessment of mental state (PC1).
2. Interpret the findings from the history, the physical examination, and the mental-state examination to construct a preliminary differential diagnosis (PC2).
3. Decide on a range of investigations required. Interpret and effectively apply laboratory data, imaging studies, and other tests to reach a final diagnosis (PC3).
4. Formulate a plan for treatment, management and discharge according to best evidence in partnership with patients, their families and other health professionals with consideration to patient concerns and preferences (PC4).
5. Perform certain essential medical, diagnostic, and surgical procedures (PC5)
6. Prescribe Medicines with efficacy, safety and cost-effectiveness. Pay attention to special situations such as pregnancy, lactation and childhood. (PC6).
7. Provide immediate care in all medical emergencies. This includes recognizing the need for immediate care, diagnosing and managing acute medical emergencies, providing immediate life support and providing effective CPR (PC8).
8. Identify signs and symptoms of abuse or neglect and be able to safeguard children, young people, adults and older people, using appropriate systems for sharing information, recording and raising

concerns, obtaining advice, making referrals and taking action (PC8).

9. Counsel and educate patients and their families to encourage them to participate in their care and enable shared decision-making (PC9).

III. **Interprofessional and Communication Skills (ICS):** Demonstrate interprofessional and communication skills that result in the effective exchange of information and collaboration with patients, their families and other health professionals. CMUM graduates will be able to:

1. Communicate clearly and effectively with patients and their relatives, colleagues from a variety of health and social care professions and at a community level with respect to the issues related to medical practice (ICS1).
2. Demonstrate sensitivity, honesty, and compassion in difficult conversations, including dealing with a violent patient or relative, end-of-life situations, adverse events, breaking bad news, disclosure of errors and other sensitive topics such as alcohol and drug abuse (ICS2)
3. Identify and overcome possible barriers to effective communication such as mental illness (ICS3).
4. Recognize and respect the request for a second opinion and escalate concerns to senior colleagues where appropriate (ICS4).
5. Keep records up-to-date, legible and relevant to the safe progress of the patient (ICS6).
6. Hand-over care in a precise, timely and effective manner (ICS6).

IV. **Professionalism and team working skills (PTW):** Demonstrate a commitment to professional behaviour and team working rules. CMUM graduates will be able to:

1. Demonstrate compassion, integrity, and respect for others regardless of their lifestyle, culture, beliefs, race, colour, gender, sexuality, disability, age, or social or economic status (PTW1).

2. Demonstrate respect for patient privacy and confidentiality.  
Respects the right of patients to refuse to participate as a patient for teaching or research purposes (PTW2).
3. Demonstrate a commitment to ethical principles during the medical practice such as Beneficence, Non-maleficence, Autonomy and Justice (PTW3).
4. demonstrate effective team-working and leadership skills (PTW4).
5. Identify their own learning needs and demonstrate commitment to life-long learning (PTW5).
6. Demonstrate knowledge of the principles of the legal framework in which medicine is practiced in the jurisdiction in which they are practicing, and have awareness of where further information on relevant legislation can be found (PTW6).

## **7. Teaching and Learning Strategies**

The college adopts various teaching and learning methods ranging from traditional to non-traditional approaches. These include:

- Theoretical Lectures: Held in auditoriums for teaching large groups.
- Practical Lessons: Conducted in laboratories of the academic branches of basic medical sciences.
- Clinical Lessons: Conducted in teaching hospitals or skills laboratories.
- Interactive Learning
- Self-Directed Learning
- Problem-Based Learning
- Team-Based Learning
- Case-Based Learning

## **8. Evaluation methods**

Summative Assessment:

Theoretical Exams: Conducted in the form of multiple-choice questions or essay questions.

Practical/Clinical Exams: Objective structured clinical examinations for skills and behavior (OSCE + OSPE).

**Formative Assessment:**

**Purpose:** To assess the accumulated knowledge and skills of students.

**Activities:** Includes activities performed by the instructor to evaluate the student, such as short tests, discussion questions and debates during lectures, and assigning the student to conduct seminars related to the curriculum.

<b>9. Faculty Members</b>					
Department of Obstetrics and gynecology					
Academic Rank	Specialization		Special Requirements	Number of teaching staff	
	General	Special		Staff	instructor
Assistant professor	General medicine and general surgery	Obstetrics and gynecology	Nil	2	
lecturer	General medicine and general surgery	Obstetrics and gynecology	Nil	7	
Department of Pathology					
Academic Rank	Specialization		Special Requirements	Number of teaching staff	
	General	Special		Staff	instructor
professor	General medicine and general surgery	Pathology/ histopathology	Nil	1	
professor	General medicine and general surgery	Pathology/ hematology	nil	1	
Assistant professor	General medicine and general surgery	Pathology/ histopathology	Nil	1	
lecturer	General medicine and general surgery	Pathology/ histopathology	Nil	9	
lecturer	General medicine and general surgery	Pathology/ medical genetics	Nil	1	
lecturer	General medicine and general surgery	Pathology/ hematology	Nil	2	
Assistant lecturer	Biology	Bacteriology	Nil	1	
Assistant lecturer	Biology	Zoology	Nil	1	
Department of surgery					
Academic rank	Specialization		Special Requirements	No. of teaching staff	
	General	Special		Staff	instructor
professor	General medicine and general surgery	ENT	Nil	3	

professor	General medicine and general surgery	Pediatric surgery	Nil		1
professor	General medicine and general surgery	Orthopedic surgery	Nil		1
Assistant professor	General medicine and general surgery	General surgery	Nil	2	
Assistant professor	General medicine and general surgery	Cardiothoracic surgery	Nil	1	
Assistant professor	General medicine and general surgery	Orthopedic surgery	Nil	1	
Assistant professor	General medicine and general surgery	Pediatric surgery	Nil	1	
Assistant professor	General medicine and general surgery	ophthalmology	Nil	1	
Assistant professor	General medicine and general surgery	Urology	Nil	3	
Assistant professor	General medicine and general surgery	Radiology	Nil	1	
lecturer	General medicine and general surgery	General surgery	Nil	4	
lecturer	General medicine and general surgery	Pediatric surgery	Nil	1	
lecturer	General medicine and general surgery	Plastic surgery	Nil	2	
lecturer	General medicine and general surgery	Neurosurgery	Nil	1	
lecturer	General medicine and general surgery	Emergency medicine	Nil	1	
lecturer	General medicine and general surgery	Anesthesia and intensive care	Nil	1	
lecturer	General medicine and general surgery	Ophthalmology	Nil	2	
lecturer	General medicine and general surgery	ENT	Nil	4	
lecturer	General medicine and general surgery	urology	Nil	1	
lecturer	General medicine and general surgery	Orthopedic surgery	Nil	2	
lecturer	General medicine and general surgery	Radiology	Nil	9	
<b>Department of anatomy</b>					
Academic rank	specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	instructor

Professor	General medicine and general surgery	Anatomy and histology	Nil	2	
Professor	Biology	parasitology	Nil	1	
Assistant professor	General medicine and general surgery	Anatomy and histology	Nil	4	
Assistant professor	General medicine and general surgery	Molecular medicine	Nil	1	
Assistant professor	Biology	parasitology	Nil	1	
Assistant professor	Biology	bacteriology	Nil	1	
Assistant professor	Biology	virology	Nil	1	
lecturer	General medicine and general surgery	Anatomy and histology	Nil	4	
lecturer	biology	Zoology	Nil	1	
lecturer	biology	bacteriology	Nil	1	
lecturer	biology	biotechnology	Nil	1	
Assistant lecturer	Veterinary medicine	Anatomy and histology	Nil	7	
Assistant lecturer	biology	bacteriology	Nil	1	
Assistant lecturer	biology	Biology	Nil	1	
<b>Department of microbiology</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	Instructor
Assistant professor	General medicine and general surgery	Immunology	Nil	1	
Assistant professor	Biology	Bacteriology	Nil	1	
lecturer	General medicine and general surgery	Immunology	Nil	4	
lecturer	General medicine and general surgery	Bacteriology	Nil	2	
lecturer	General medicine and general surgery	Parasitology	Nil	1	
Assistant lecturer	General medicine and general surgery	Immunology	Nil	2	
Assistant lecturer	General medicine and general surgery	Bacteriology	Nil	3	
Doctor	General medicine and general surgery	Bacteriology	MSc degree		2

Doctor	General medicine and general surgery	parasitology	MSc degree		1
<b>Department of family and community medicine</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	Instructor
Assistant professor	General medicine and general surgery	family medicine	Nil	2	
Assistant professor	General medicine and general surgery	community medicine	Nil	5	
lecturer	General medicine and general surgery	community medicine	Nil	1	
lecturer	General medicine and general surgery	family medicine	Nil	1	
Assistant lecturer	mathematics	mathematics	Nil	1	
Assistant lecturer	mathematics	statistics	Nil	1	
<b>Department of pediatrics</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	Instructor
professor	General medicine and general surgery	Pediatric cardiology	Nil	2	
Assistant professor	General medicine and general surgery	pediatrics	Nil	3	
lecturer	General medicine and general surgery	pediatrics	Nil	6	
<b>Department of pharmacology</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	Instructor
professor	General medicine and general surgery	pharmacology	Nil	1	
Assistant professor	General medicine and general surgery	pharmacology	Nil	1	
Assistant professor	General medicine and general surgery	Pharmacology and therapeutics	Nil	1	
Assistant professor	Pharmaceutical Sciences	Pharmacology	Nil	1	
lecturer	General medicine and general surgery	Molecular Pharmacology	Nil	1	
lecturer	General medicine and general surgery	Laboratory Toxicology	Nil	1	
<b>Department of biochemistry</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	General

Assistant professor	General medicine and general surgery	Clinical biochemistry	Nil	1	
Assistant professor	Chemistry	Organic chemistry	Nil	1	
lecturer	General medicine and general surgery	Clinical biochemistry	Nil	2	
lecturer	chemistry	biochemistry	Nil	1	
lecturer	General medicine and general surgery		Nil	1	
lecturer	Veterinary medicine	Biochemistry	Nil	1	
Assistant lecturer	chemistry	Inorganic chemistry	Nil	1	
Assistant lecturer	chemistry	Analytic chemistry	Nil	1	
Assistant lecturer	Medical investigations	biochemistry	Nil	1	
<b>Department of physiology</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	Instructor
Assistant professor	General medicine and general surgery	Medicine	Nil	1	
Assistant professor	General medicine and general surgery	Medical physiology	Nil	1	
lecturer	General medicine and general surgery	Medical physiology	Nil	4	
Assistant lecturer	General medicine and general surgery	Medical physiology	Nil	1	
Assistant lecturer	Physics	Physics	Nil	1	
Assistant lecturer	Engineering Technology of medical instruments	Engineering Technology of medical instruments	Nil	1	
doctor	General medicine and general surgery	Medical physiology	MSc degree		1
<b>Department of medicine</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	General
professor	General medicine and general surgery	Medicine	Nil		1
Assistant professor	General medicine and general surgery	Medicine	Nil	4	
Assistant professor	General medicine and general surgery	dermatology	Nil	2	



Assistant professor	General medicine and general surgery	Rheumatology	Nil	1	
Assistant professor	General medicine and general surgery	Neurology	Nil	1	
lecturer	General medicine and general surgery	gastroenterology	Nil	1	
lecturer	General medicine and general surgery	medicine	Nil	4	
lecturer	General medicine and general surgery	psychiatry	Nil	1	
lecturer	General medicine and general surgery	Neurology	Nil	3	
lecturer	General medicine and general surgery	Rheumatology	Nil	3	
lecturer	General medicine and general surgery	Dermatology	Nil	3	
lecturer	General medicine and general surgery	Radiology	Nil	3	
lecturer	General medicine and general surgery	Nephrology	Nil	1	
<b>Supporting sciences unit</b>					
Academic rank	Specialization		Special requirement	No. of teaching staff	
	General	Special		Staff	Instructor
Professor	Computer sciences	Artificial intelligence	Nil	1	
lecturer	Computer sciences	Artificial intelligence	Nil	1	
lecturer	Low	Low	Nil	1	
Assistant lecturer	Computer sciences	Computer sciences	Nil	3	
Assistant lecturer	English language	Speech analysis	Nil	1	

**Professional Development** (According to the college's policy for developing teaching staff)

**Mentoring new faculty members**

Teaching methods courses and teaching validity testing

Professional development of faculty members

### **10. Acceptance Criterion**

Central admission for graduates of the Iraqi secondary schools which depends on achieving a certain score in the baccalaureate exam

### **11. The most important sources of information about the program**

The College of Medicine website:

<https://uomosul.edu.iq/medicine>

### **12. Program Development Plan**

Improvement plans depend on the outputs of the reports of the measurement and evaluation committees, and program follow-up and evaluation. Annual reports are performed periodically to evaluate the program, and accordingly a follow-up plan is formulated and followed up by the Medical Education Unit.

## Expected Learning Outcomes of the Program

Level	Course Code	Course Name	Basic/optional	Program Competencies																															
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)									
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6				
First	MCB12201	Biochemistry	Basic	√																√									√			√	√		
First	MCAAn103	Anatomy	Basic	√			√													√						√									
First	MCAAn104	Biology and genetics	Basic	√			√													√						√						√	√		
First	MCMD105	Fundamentals of medicine	Basic	√	√	√	√													√											√	√			
First	MCPs102	Medical Physics	Basic	√																									√	√		√			

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Level	Course Code	Course Name	Basic/optional	Program Competencies																											
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)					
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6
Second	McAn204	Histology	Basic	✓		✓		✓										✓						✓			✓		✓		
Second	McAn202	Anatomy	Basic	✓			✓												✓						✓			✓		✓	
First	MCEn108	English	Basic																								✓		✓		
First	MCHr107	Human rights and democracy	Basic																								✓		✓	✓	
First	MCCU106	Computer software	Basic				✓			✓								✓					✓					✓		✓	



### Expected Learning Outcomes of the Program

Level	Course Code	Course Name	Basic/optional	Program Competencies																															
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)									
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6				
Third	McMI303	Parasitology	Basic	√							√																√								
Third	McPh301	Pharmacology	Basic	√	√	√	√	√	√			√			√		√	√	√	√	√	√			√	√	√	√	√	√	√	√	√	√	
Third	MCCO305	Community Medicine	Basic	√	√	√	√	√	√	√		√	√						√	√						√	√	√	√	√	√	√	√	√	
Third	MCMD306	Medicine	Basic	√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√	√			√	√	√	√	√	√	√	√	√	√
Third	McPa304	Pathology	Basic	√			√				√											√							√			√	√	√	√

### Expected Learning Outcomes of the Program

Level	Course Code	Course Name	Basic/optional	Program Competencies																											
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)					
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6
				√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Third	Mcsu307	Surgery	Basic	√		√	√	√	√	√	√	√	√	√	√	√	√	√		√			√	√	√	√	√				
Fourth	Mcsu406	Surgery	Basic	√		√	√	√	√	√	√	√	√	√	√	√	√	√		√			√	√	√	√	√				
Fourth	McPa401	Forensic Medicine	Basic		√	√	√			√	√	√		√	√		√	√		√			√	√	√		√	√			
Fourth	MCCO403	Community Medicine	Basic	√	√	√	√	√	√	√	√							√	√	√	√			√	√	√	√	√	√		
Fourth	MCMD405	Medicine	Basic	√	√	√	√	√	√	√	√						√	√	√	√	√	√		√	√	√	√	√	√		

## Expected Learning Outcomes of the Program

Level	Course Code	Course Name	Basic/optional	Program Competencies																											
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)					
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6
Fourth	MCMD402	psychology	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fourth	MCOg404	Obstetric	Basic	✓	✓	✓					✓	✓	✓	✓												✓	✓				
Fourth	MCPe407	Pediatrics	Basic	✓																											
Fifth	MCPe507	Pediatrics	Basic	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓
Fifth	MCRa509	Radiology	Basic	✓			✓	✓				✓	✓	✓			✓												✓	✓	



## Expected Learning Outcomes of the Program

Level	Course Code	Course Name	Basic/optional	Program Competencies																																	
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)											
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6						
Fifth	MCOg508	Gynecology	Basic	√	√	√							√	√	√	√											√	√		√	√						
Fifth	MCMD501	Medicine	Basic	√	√	√	√	√	√	√	√					√	√	√	√								√	√	√	√	√	√	√	√	√	√	√
Fifth	MCMD503	Dermatology	Basic	√	√	√	√	√	√	√	√						√	√	√	√							√	√	√	√	√	√	√	√	√	√	√
Fifth	MCMD502	Psychiatry	Basic	√	√	√	√	√	√	√	√						√	√	√	√							√	√	√	√	√	√	√	√	√	√	√
Fifth	MCCO510	Family medicine	Basic	√	√	√	√	√	√	√	√						√	√	√	√							√	√	√	√	√	√	√	√	√	√	√

### Expected Learning Outcomes of the Program

Level	Course Code	Course Name	Basic/optional	Program Competencies																											
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)					
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6
Fifth	MCSU508	ENT	Basic	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		
Fifth	MCSU505	Ophthalmology	Basic	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		
Fifth	Mcsu504	Surgery	Basic	√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		
Sixth	MCMD601	Medicine	Basic	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		
Sixth	MCPe604	Pediatrics	Basic	√		√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		

## Expected Learning Outcomes of the Program

Level	Course Code	Course Name	Basic/optional	Program Competencies																											
				Knowledge for practice (KP)							Patient Care (PC)									Interprofessional and Communication Skills (ICS)						Professionalism and team working skills (PTW)					
				KP1	KP2	KP3	KP4	KP5	KP6	KP7	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	ICS1	ICS2	ICS3	ICS4	ICS5	ICS6	PTW1	PTW2	PTW3	PTW4	PTW5	PTW6
Sixth	MCU604	Surgery	Basic	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
Sixth	MCOg603	OBS & GYN	Basic	✓	✓	✓	✓					✓	✓	✓	✓	✓										✓	✓	✓	✓	✓	
Sixth	MCRP605	Research project	Basic	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓									✓	✓	✓	✓	✓	✓	

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

