

University of Medicine-1, Yangon



The MBBS Program Program Guide 2019 December

<http://www.um1ygn.edu.mm>

Vision of the University

To Become the Center of Excellence in Medical Education, Health Services and Research

Mission

To produce ethically minded, committed and technically competent graduates who can effectively serve in different health sectors of the country

To maintain the highest standard of the medical profession by producing highly qualified specialists

To provide the means and the intellectual environment which enhance Medical Research

To encourage the lifelong learning in line with dynamic medical world

Core Values

Morality, Responsiveness, Wisdom, Accountability, Perseverance, Concentration

Introduction

The new MBBS curriculum has been developed to provide medical students to acquire competencies of knowledge, skills, attitudes, value and ethics necessary to become competent medical doctors. This program foster student centered learning with enabling learning opportunities for comprehensive learning: self-directed learning, critical thinking, application of the principles of medicine beyond memorization. Teaching strategies focus on expected outcomes (competencies) for the development of professional skills relevant to health care needs of the community. The university's graduates are expected to be qualified doctors who are able to provide patient-centered care as primary care physicians.

Program learning outcomes: The outcome of the undergraduate medical curriculum is defined based on the following domains (ACGME core competencies for Physicians):

- **Medical Knowledge**
- **Patient care**
- **Practice-based learning**
- **System based practice**
- **Ethics and professionalism**
- **Interpersonal and communication skills.**

Duration of the course: A total 6 years of the program, composed with three phases;

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Foundation Year, Pre-clinical years (M1 & M2), clinical years (M3, M4 and M5), followed by one year of house officer (internship) training.

Foundation Year (FY)

Foundation year has 2 semesters:

Semester -1: it takes 24 weeks of teaching with 6 weeks of assessment duration; students will learn GCE-A level science subjects with emphasis on application of medical science. Language subjects aim for student's communication skills, appreciation of literature and culture needed for soft skills development. Following are the subjects students have to learn in semester-1 of foundation year:

- Language-1: Myanmar
- Language-2: English
- Science-1: Biology (Zoology and Botany)
- Science-2: Physics and Mathematics
- Science-3: Chemistry

Semester -2: it takes 12 weeks of teaching with 2 weeks of assessment duration. This semester is the short introductory course for principles of basic medical science subjects, to provide basic foundation of medical science subjects for easy understanding of Integrated system modules teaching in Medical year -1 and 2. Students have to learn following principles:

- Structural Principle
- Functional Principle
- Molecular Principle
- Principle of Disease Mechanism
- Principle of Medical Microbiology
- Principle of Drugs Therapy

Personal and Professional Development program (PPD): Students have to participate in PPD program, in which students are taught about basic ethical principles, civic, humanity and health care system of the country. Active participation of each student in group discussions, presentations, forum on inter-professional education (IPE), reflective reports for assigned hospital visit and project based learning with the theme of "good human, good citizen" is mandatory in PPD sessions . This program aims to provide opportunities for

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students to acquire leadership, interpersonal communication skills and self-awareness for developing attributes of Professionalism in medicine.

Medical year-1 and 2 (M-1 &M-2)

M-1 and M-2 of the program is mainly for basic medical sciences with clinical reasoning. In these years, students have to learn integrated teaching of basic medical science subjects in 10 system modules. Students are expected to acquire knowledge of the normal structure and function of each organ system, molecular, biochemical, and cellular mechanisms that are important in maintaining the body's homeostasis and knowledge of the various disease mechanisms that altered in structure and function (pathology and pathophysiology) of the body. Students are expected to demonstrate understanding of scientific basis and interpretation of common diagnostic studies, ability to develop a rational therapeutic approach based on principles of pathophysiology and pharmacology.

Vertical modules: following vertical modules are incorporated throughout the Medical years (M1 to M5)

- Ethics and Professionalism module
- Community and Family Health module
- Social and Behavioral science module
- Research culture and skill module
- Clinical Management module

Clinical Years (M-3, M-4 and M-5)

In Clinical years, students will be involved in series of clinical rotations including electives, residential field trip for community and family medicine training. Students will undertake clinical placements in various departments of the following affiliated teaching hospitals of UM-1, Yangon:

1. Yangon General Hospital (YGH)
2. New Yangon General Hospital (NYGH)
3. Yangon Specialty Hospital (YSH)
4. West Yangon General Hospital
5. East Yangon General Hospital

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6. Worker's hospital
7. Yangon Central Women Hospital
8. Yangon Children Hospital
9. Yangon Orthopedic Hospital
10. Yangon Eye Hospital
11. Otorhinolaryngology, Head and Neck Surgery Specialist Hospital
12. Mental Health Hospital, Yangon

Medical Year-3 (M3) is junior clerkship training, mainly core clinical medicine with hospital based teaching. Students will learn general medicine with related specialties and general surgery with related specialties by rotating placement posting.

There is a 4-weeks **elective period**; students may choose to learn their interested field by proposing structured proposal. In the elective component, students are encouraged to seek experiential learning opportunities in contexts of their interest to broaden their awareness of the health challenges communities are facing. The elective program aims for development of competencies and qualities of future physicians extend beyond medical and technical competence.

Medical Year-4 (M4) is specialty clerkship training focuses on Specialties in all ages of medicine, including Pediatrics , O&G, Psychiatry, Geriatric, Palliative care, Emergency Medicine, Anesthesiology, Forensic Medicine with short term re-visit to general Medicine and general Surgery.

In this year, 4 weeks of **residential field training (RFT)** is included as a part of community and family health program. Student will be placed at township hospital and rural health centers to learn health care in the community for understanding of health related issues with promoting health and preventing diseases.

Medical Year-5 (M5) is senior clerkship training mainly in clinical workplaces; students undertake rotation among four major clinical departments. In this year, 4 weeks of **student's selected component (SSC)** is planned for the student's self-directed learning; students will have their own choice to learn in one of the clinical departments for their further improvement in clinical practices.

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Teaching/Learning Activities: The new curriculum emphasizes on student-centered learning, students are responsible for active participation in small group teaching sessions; team based learning, problem based learning and case based learning. These teaching-learning strategies enabled independent decision making and improvement of communication skills which encourages the students to become lifelong learners in ever changing medical profession.

Assessment: The training program of the new MBBS course is very intensive; student's commitment and dedicated performance are needed to ensure the achievement of expected competencies/outcomes.

Students will face series of assessment including continuous assessments, which includes in-class performances and module-end tests and year-end assessments. Students have to acquire satisfactory score in both compartments of assessment, *i.e* Continuous assessment and year-end final assessment. According to the level (year) of the program, students competencies will be assessed by written tests, practical tests, viva voce, OSCE (Objective Structured Clinical Examination) and OSPE (Objective Structured Practical Examination).

Attendance: all the learning process of the whole training program acquires student's participation in both classroom setting and clinical settings. Student's attendance and engagement will be strictly assessed in group learning activities such as team-based learning, simulation-based learning and case-based learning.

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Yr.	Dec	Jan	Feb	Mar	April	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
FY	Foundation for science (GCE A, Medical Related Sciences) Personal and Professional Development (PPD)							SA	Break	Principle Bloc		SA	Holidays
Integrated System Modules (M-1 & M-2)													
	Jan	Feb	Mar	April	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
M-1	Musculo-skeletal and Skin (MSS)		Genetic (GEN)		Cardiovascular (CVS)		Respiratory (RESP)		GI, Liver, Nutrition (GLN)		SA	Holidays	
M-2	Haematology		Immunology		Endocrine		Renal & Reproductive		Neurology & Psychiatry		SA	Holidays	
Incorporated with Vertical Modules in Medical Years (From M1 to M5)													
Clinical Years: M-3 to M-5 (M-3: Junior Clerkship, M-4: Specialty Clerkship, M-5: Senior Clerkship)													
	Jan	Feb	Mar	April	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
M-3	General Medicine					Elective	General Surgery					Students Assessment (SA)	Holidays
	Infectious diseases, Geriatric Medicine & Palliative care, Dermatology, Physical & Rehab Med						Neuro surgery & Maxillofacial, Orthopedics, Eye, ENT						
	General Surgery						General Medicine Infectious diseases, Geriatric Medicine & Palliative care, Dermatology, Physical & Rehab Med						
	Neuro surgery & Maxillofacial, Orthopedics, Eye, ENT												
M-4	Pediatrics, Ob&Gyn, Mental Health, Radiology					Residential Field Trip	General Surgery, General Medicine Anesthesiology, EM, Oncology Forensic Medicine Therapeutics Laboratory Medicine						
	General Surgery, General Medicine Anesthesiology, EM, Oncology Forensic Medicine Therapeutics Laboratory Medicine						Pediatrics, Ob&Gyn, Mental Health, Radiology						
M-5	Rotation of hospital postings in Medicine, surgery, O&G, Pediatrics and Student's Selected Component (SSC)												

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