

VIETNAM NATIONAL UNIVERSITY - HO CHI MINH CITY
SCHOOL OF MEDICINE

**LEARNING OUTCOMES AND LEARNING OUTCOMES MATRIX
OF MEDICAL PROGRAMME OF THE ACADEMIC YEAR 2023**

(Quoted from update and review the adjustment of the training programme 2023 of School of Medicine)

- Training programme Doctor of Medicine
- Training level Undergraduate
- Major: Health Science
- Major code: 720101
- Type of education: Full-time
- Training duration: 6 years

I. Medical knowledge

- PLO1: Applying basic knowledge of natural and social sciences, basic medical knowledge and clinical medicine in the practice of prevention, diagnosis and health care.
- PLO2: Integrating knowledge of basic sciences, basic medicine, clinical medicine, and behavioural science in health care practice for individuals and communities.

II. Patient caring

- PLO 3: Collecting, synthesising, and analysing complete and comprehensive patient's information through the extraction of medical history, clinical examination, laboratory results and other information sources to establish sdiagnosis and treatment plan.
- PLO4: Performing common procedures and technologies in diagnosis, first aid and treatment.
- PLO5: Conducting safe, economical and effective drugs prescription; being able to clearly express side effects and adverse events to the patient.
- PLO6: Counselling and recommending preventive measures, living regimens, and nutrition and exercise suitable for patients, families and communities.

III. Medical ethics and Professionalism

- PLO 7: Expressing respect for the patient's dignity and self-determination: ensuring fairness in patient care; listening to colleagues, the patient and the patient's family; and empathising with the patient.
- PLO 8: Showing honesty when reporting on the patient's condition and care process, medical errors.

IV. Communication and collaboration

- PLO 9: Exchanging information effectively and establishing friendly, cooperative and trusting relationships with patients and their relatives about decisions to resolve health problems and making commitments to consensus by document.
- PLO 10: Interacting effectively with colleagues, interdisciplinary-teams, and partners in a multicultural environment to ensure safe, quality patient care that meets the society's medical, psychological and social needs.

V. System-based Practice

- PLO11: Implementing fully legal documents and regulations related to patient care (including regulations related to health insurance) and national standards on patient safety.
- PLO12: Analysing and making patient-centred care decisions based on the latest medical evidence and making effective use of the current healthcare system.

VI. Practice-based Learning and Improvement

- PLO 13: Having the ability to self-identify the limitations of one's own knowledge and skills, update new knowledge and skills, build and implement plans for personal development and lifelong learning.
- PLO14: Applying digital technology in scientific research, learning, updating medical information, taking care of patients safely, effectively, responsibly and creatively.
- PLO15: Demonstrating the ability to inspire, spread confidence, career passion, and motivate others; having the ability of self and team management to achieve the set goals.

Matrix of modules and Programme Learning Outcomes

Semester	Module name	PROGRAMME LEARNING OUTCOMES														
		PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14	PLO 15
I	Philosophy of Marxism and Leninism	x						x	x							
	Political economics of Marxism and Leninism	x						x	x							
	Ho Chi Minh's Ideology	x						x	x							
	History of Vietnamese communist party	x						x	x							
	Foundation of statistics and Informatics	x						x	x					x	x	
	<i>Physical education 1*</i>															
	National Defense Education*	x						x	x							
	Foundations of Biochemistry	x									x	x				x
	Chemistry	x														
II	Scientific Socialism	x						x	x							
	<i>Physical Education 2*</i>															
	National Defence Medicine *			x				x	x		x			x		
	Biophysics	x														
	Cells and Molecular Biology	x									x	x				x

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	Epidemiology		x			x	x				x			x		
	First Aid	x		x							x	x				
	Hospital Life	x						x	x	x	x					
	Psychology and Medical ethics	x		x				x	x	x	x				x	
III	English for Medicine 1	x								x	x				x	
	General Law															
	Scientific Research Methodology	x	x	x			x	x	x	x	x	x		x	x	x
	Health Organisation and Management	x	x	x	x		x	x	x	x	x	x			x	
	Demography															
	Anatomy and Physiology of Human Body	x		x								x	x			
	Foundation of Pharmacology	x				x		x	x				x		x	x
IV	English for Medicine 2	x								x	x				x	
	Cardiovascular system	x		x	x		x		x		x					
	Respiratory System	x		x	x		x		x		x					
	Gastrointestinal System	x		x	x		x		x		x					

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	Renal and homeostatic systems	x		x	x		x		x		x					
	Neurological system and pain	x		x	x		x		x		x					
	Endocrine system and metabolism	x		x	x		x		x		x					
V	Behavioral Science & Health Education	x		x				x	x			x				
	Musculoskeletal system	x		x	x		x		x		x					
	Haematology and Immunology	x		x	x		x		x		x					
	Skin and senses organs	x		x	x		x		x		x					
	Pathology and Infectious diseases	x		x	x	x	x		x		x			x		
	Nuclear Medicine	x						x	x	x	x	x		x	x	
	Introduction to Biomedical Engineering		x	x			x	x	x		x				x	
VI	Health, Environment and Occupational diseases	x		x	x		x		x	x	x			x		
	Nutrition and food safety	x		x	x		x		x	x	x			x		

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	Gerontology, chronic diseases and disabilities.	x		x	x		x		x		x					
	Reproductive system, Pregnancy and Giving birth	x		x	x		x		x		x					
	New-born, children and adolescents	x		x	x	x	x		x		x					x
	Forensics	x		x	x		x	x	x		x					
	Nursing skills	x		x				x	x		x					
	VII	Clinical Internal Medicine 1	x		x		x	x	x	x	x	x		x		x
Clinical Surgery 1		x		x		x	x	x	x	x	x		x		x	
Infectious diseases		x		x		x	x	x	x	x	x		x		x	
Traditional Medicine		x		x		x	x	x	x	x	x		x		x	
VIII	Surgery Neurology	x		x		x	x	x	x	x	x		x		x	
	Urology	x		x		x	x	x	x	x	x		x		x	
	Haematology	x		x		x	x	x	x	x	x		x		x	
	Traumatology and Orthopaedics	x		x		x	x	x	x	x	x		x		x	
	Oncology	x		x		x	x	x	x	x	x		x		x	
	Rehabilitation	x		x		x	x	x	x	x	x		x		x	

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	Anaesthetics	x		x		x	x	x	x	x	x		x		x	
	Diagnostic Imaging	x		x		x	x	x	x	x	x		x		x	
IX	Tuberculosis	x		x		x	x	x	x	x	x		x		x	
	Dermatology	x		x		x	x	x	x	x	x		x		x	
	Internal medicine neurology	x		x		x	x	x	x	x	x		x		x	
	Psychology	x		x		x	x	x	x	x	x		x		x	
	Ophthalmology	x		x		x	x	x	x	x	x		x		x	
	Otorhinolaryngology	x		x		x	x	x	x	x	x		x		x	
	Dentomaxillofacial	x		x		x	x	x	x	x	x		x		x	
	Endocrinology	x		x		x	x	x	x	x	x		x		x	
Health Community Practice	x		x		x	x	x	x	x	x		x		x		
X	Hospital Management	x						x	x	x	x	x		x	x	
	Medicine Economics	x						x	x	x	x	x		x	x	
	Design Methods in Medical Engineering	x													x	
	Technical Solutions for Medicine	x	x	x				x								
	Clinical Obstetrics & Gynaecology 1	x		x		x	x	x	x	x	x		x		x	

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	Clinical Paediatrics 1	x		x		x	x	x	x	x	x		x		x	
XI	Clinical Obstetrics & Gynaecology 2	x		x		x	x	x	x	x	x		x		x	
	Clinical Paediatrics 2	x		x		x	x	x	x	x	x		x		x	
XII	Clinical Internal Medicine 2	x		x		x	x	x	x	x	x		x		x	
	Clinical Surgery 2	x		x		x	x	x	x	x	x		x		x	
	Graduation Examination/ Graduation Thesis	x	x	x	x		x	x	x	x	x		x	x	x	