



***INSTITUTE OF MEDICAL SCIENCES
AND SUM HOSPITAL
(Siksha 'O' Anusandhan deemed to be University)***

MD General Medicine

13. PROGRAM OUTCOMES (POs) OF MD/MS PROGRAM

1. Adequate understanding of the basic sciences relevant to the concerned speciality.
2. Identify and consider social, economic, and emotional determinants of health in a given case, during the planning of therapeutic, rehabilitative, preventive and primitive strategies.
3. Diagnose and manage majority of the conditions in the speciality concerned on the basis of clinical assessment, and appropriately selected and conducted investigations.
4. Plan and advice measures for the prevention and rehabilitation of patients suffering from disease and disability related to the speciality.
5. Skills in the documentation of individual case details as well as morbidity and mortality rate relevant to the assigned situation.
6. Organize and supervise the assigned health care services demonstrating adequate managerial skills in the clinic/hospital/field situation.
7. Practice the speciality concerned ethically and in step with the principles of primary health care.
8. Demonstrate empathy and human approach towards patients and their families and exhibit interpersonal behavior in accordance with the societal norms and expectations.
9. Develop skills as a self-directed learner, recognize continuing education needs; select and use appropriate learning resources.
10. Competence in basic concepts of research methodology and epidemiology, and be able to critically analyze relevant published research literature.
11. Skills in using educational methods and techniques as applicable to the teaching of medical/nursing students, general physicians and paramedical health workers.
12. Implementation of national health program, effectively and responsibly.

14. PROGRAM SPECIFIC OUTCOMES (PSOs) –

1. Competency development & upgradation in managing critical cases.
2. Oriented to the principles of research & its importance in health care.

3. Emphasis on attitude, behaviour, safety, communication, presentation, audit, teaching, and management.
4. Develop scientific temper, acquire educational experience for expertise in profession and promote healthy living.
5. Knowledge of basic sciences and recent advances as applicable to Medical science
6. Providing high quality health care and advancing the cause of science through research and training
7. Become an exceptional citizen by observation of medical ethics and fulfilling social and professional obligations, according to the national aspirations
8. Acquired skills in educating medical & paramedical professionals and ability to organize to achieve defined goals.

COURSE CONTENTS

Course Code for each paper

Paper I : MDIM1: Basic Medical Sciences (at the end of first year of training)

Paper-II: MDIM2: Medicine and allied specialties including pediatrics, dermatology & psychiatry

Paper-III: MDIM3: Tropical Medicine and Infectious Diseases

Paper-IV: MDIM4: Recent Advances in Medicine

15. COURSE OUTCOMES

Paper I: (Course code: MDIM1)

CO1 Taught about basics of human anatomy relevant to clinical practice and taught about the applied aspect.

CO2 Taught about the basic functioning (physiology) and biochemical aspect of various organ systems and informed about how to apply it in future practice.

CO3 Patho-physiological alteration in diseased states and changes in various organs associated with disease and their co-relation with clinical signs and symptoms.

CO4 Taught about the pharmacokinetics and pharmacodynamics of different drugs used while treatment and informed about their judicious use in future.

CO5 Given knowledge regarding various micro-organisms and various poisons with respect to their geographical presence, so that they will be able to diagnose cases in an efficient way in the future.

Paper II (Course Code: MDIM2)

CO1 Taught about the different symptoms, morphological appearance and associated systemic conditions of dermatological diseases so that they can diagnose and treat dermatological cases and know about the dermatological manifestation of systemic diseases.

CO2 Since mental health problems are very much prevalent and under diagnosed, they are informed about various manifestations of psychiatric diseases, which will help them to manage these cases appropriately. They are also taught about the different psychiatric manifestations of systemic diseases and how to rule out them.

CO3 Preventive and environmental issues, environmental medicine and bioterrorism, all these things are taught, so that they can tell the patients about preventive aspects of different systemic diseases.

CO4 Taught about biology, epidemiology, neuro-psychiatric aspects of aging, so that they will diagnose and manage geriatric diseases.

PAPER III (Course Code: MDIM3)

CO1The students are given learning regarding the approach to the patient with possible cardiovascular diseases, their signs and symptoms, so that they can manage these cases

CO2 Taught about the approach to the patient with respiratory disease and their manifestation and management which will help them in future in their clinical application.

CO3 Taught about the approach to different patient with GI diseases, hematological diseases and their applied aspects so that they can diagnose and treat these cases efficiently.

CO4 Taught about clinical features and approach to nephrology, endocrinology, neurology and oncology & by virtue of which they can treat these cases efficiently

Paper IV (Course Code: MDIM4)

CO1 Overview of the paradigm of genetic contribution to health and diseases so that they can know about genetic component of different diseases and investigations, which then will help them in proper diagnosis and management

CO2 Innate and adaptive immune system and mechanism of immune mediated cell injury are explained to them, so that they know about immunological aspects of different diseases.

CO3 They are also informed about different diagnostic procedures, so that they are kept updated about the recent diagnostic procedure, which will help them in future in diagnosing and managing patient.

CO4 They are trained to do different procedures to diagnose and manage the cases, so that in future that will help them.

Soft Skills – (Course Code: MDIM5) Elective Course

CO1: The ability to plan and execute a research work.

CO2: Aquisition of skills of teaching

CO3: Ability to work as a member of a healthcare team.

CO4: Competency to provide healthcare in emergency situations such as natural calamities.

CO5: Ability to communicate with the patients and caregivers.

Mapping of CO Vs POs

Course code MDIM -1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	✓											
CO 2	✓	✓		✓				✓				
CO 3	✓		✓		✓				✓		✓	
CO 4	✓	✓	✓	✓		✓			✓	✓	✓	✓
CO 5		✓		✓			✓	✓		✓		

Mapping of CO in relationship to skill, employability and entrepreneurship

MDIM 4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	✓	✓	✓	✓			✓	
CO2	✓		✓		✓		✓	
CO3	✓	✓	✓	✓			✓	✓
CO4	✓				✓	✓		✓

MDIM1	Skill	Employability	Entrepreneurship
CO-1			
CO-2	✓		
CO-3	✓		
CO-4	✓	✓	
CO-5		✓	✓

MDIM2	Skill	Employability	Entrepreneurship
CO-1	✓		
CO-2	✓		
CO-3	✓	✓	✓
CO-4		✓	✓

MDIM3	Skill	Employability	Entrepreneurship
CO1			
CO2	✓		✓
CO3	✓	✓	✓
CO4	✓	✓	

MDIM4	Skill	Employability	Entrepreneurship
CO1		✓	✓
CO2	✓		✓

CO3	✓	✓	
CO4	✓		✓