



स्वामी राम हिमालयन विश्वविद्यालय
Swami Rama Himalayan University

Criterion 1 - Curricular Aspects

1.1.1 Outcome Analysis of POs, COs
MD General Medicine (2019-2022)

Himalayan Institute of Medical Sciences

Swami Rama Nagar, Jolly Grant, Dehradun 248016, Uttarakhand, India

A. Program Outcomes

After successful completion of the program, the student will be able to:

PO1	Competent Clinician who acquires competencies relevant to all aspects of General Medicine
PO2	Leader and Team member who recognizes the holistic health needs of healthy Community
PO3	Communicator who acquires skills effectively in communicating with the health team & families
PO4	Efficient Professional who is actively involved in keeping oneself up to date with scientific advances in General Medicine and Medicolegal aspects of practice.
PO5	Researcher who is oriented to principles of research methodology enabling crucial appreciation of published scientific evidence.




B. Course-wise CO-PO Mapping

Mapping factor or Correlational level between Course Outcome (CO) and Program Outcomes (PO) indicates to what extent the teaching and assessment method of CO correlates/contributes the PO at the level defined below:

Corelation Level	Particulars
3	Substantial/high contribution of CO towards PO
2	Moderate contribution of CO towards PO
1	Slight/low contribution of CO towards PO

Course Name		General Medicine				
Course Outcomes (COs)		CO-PO Mapping (Articulation Matrix)				
At the end of the course the students will be able to:		PO-1	PO-2	PO-3	PO-4	PO-5
CO1	Practice internal medicine with competence, with the help of scientific knowledge in an evidence-based fashion	3	2	3	3	3
CO2	Conduct clinical examination and relevant investigations, diagnose medical conditions and refer early where indicated	3	2	3	3	3
CO3	Recognize conditions that may be outside of scope of general medicine and refer to an appropriate specialist	3	2	3	3	3
CO4	Diagnose and manage majority of conditions in his specialty (clinically and with the help of relevant investigations	3	2	2	3	3
CO5	Plan and advise measures for the prevention and rehabilitation of patients.	3	3	3	3	3
CO6	Manage emergencies efficiently by providing Basic Life Support (BLS) and Advanced Life Support (ALS).	3	3	3	3	3
CO7	Participate in public health emergencies (arising in the community)	3	3	3	3	3



CO8	Plan and deliver comprehensive treatment using the principles of rational drug therapy	3	3	2	3	3
CO9	Exercise empathy and a caring attitude and maintain professional integrity, honesty and high ethical standards	3	3	3	3	3
CO10	Estimate the financial burden of care and practice health economics and rational approach to investigations	3	2	3	3	3
CO11	Communicate about the illness with patient's /relatives at all stages of care.	3	3	3	3	3
CO12	Should be able to function as a part of a team, develop an attitude of cooperation with colleagues, and interact with the patient, relatives, paramedical and medical colleagues to provide the best possible comprehensive care.	3	3	3	3	3
Course-wise PO Average		3.000	2.583	2.833	3.000	3.000

C. Program outcome Reference Value:

Following table calculates the overall average of all POs of the Courses and is referred as average PO Reference values.

Course Name	PO-1	PO-2	PO-3	PO-4	PO-5
General Medicine	3.000	2.583	2.833	3.000	3.000
Combined Average PO Reference values	3.000	2.583	2.833	3.000	3.000

[Handwritten Signature]



D. Assessment of CO and PO Attainment Value

The attainment of the course outcome is measured at the level of 3 as follows:

Attainment Levels	Criteria
3	If 80% of student achieves marks greater than threshold percentage of the total score of assessment
2	If 70% of student achieves marks greater than threshold percentage of the total score of assessment
1	If 60% of student achieves marks greater than threshold percentage of the total score of assessment
0	If 60% of student achieves marks less than threshold percentage of the total score of assessment

Attainment level of COs is measured through direct attainment of COs depending on the performance of the students in University Examination (UE) individually. For the MD program the threshold percentage is set at 50% for University Examination.

Course Name	Attainment of COs	Derived Attainment of POs Course-wise				
		PO-1	PO-2	PO-3	PO-4	PO-5
General Medicine	3.000	3.000	2.583	2.833	3.000	3.000
Average PO Achievement Through Results		3.000	2.583	2.833	3.000	3.000
Average PO Reference values		3.000	2.583	2.833	3.000	3.000
Percentage Attainment of PO's		100%	100%	100%	100%	100%

From the Attainment level of CO, the Derived PO's value for course is calculated as follows:

$$\text{Derived PO Value} = \frac{\text{CO attainment} \times \text{respective PO average}}{3}$$

Depending on derived PO values of the courses, calculate the average PO achievement for each PO. Calculate the percentage attainment of PO's as follows:

$$\text{Percentage attainment of PO's} = \frac{\text{Average PO Attainment through}}{\text{average PO refrencece value}} \times 100$$

