



स्वामी राम हिमालयन विश्वविद्यालय
Swami Rama Himalayan University

Criterion 1 - Curricular Aspects

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

Himalayan Institute of Medical Sciences

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A. Program Outcomes

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

PO1	Acquires competencies relevant to all aspects of Paediatrics (newborn to adolescent) that are essential to function as a clinical expert in providing newborn and pediatric health services for the community at all levels and keeping with national health policy in a professional and ethical manner.
PO2	Recognizes the holistic health needs of healthy neonates, infants, children, and adolescents.
PO3	Acquires skills in effectively communicating not only with the health team but with the child, family, and the community
PO4	Is actively involved in keeping oneself up to date with scientific advances in Paediatrics and Medicolegal aspects of practice.
PO5	Is oriented to principles of research methodology enabling critical appreciation of published scientific evidence and contributing through scholarship
PO6	Acquires skills and understanding of dealing with health team members enabling optimizing system-based practice.



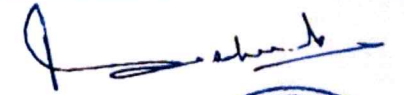

B. Course-wise CO-PO Mapping

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		Pediatrics					
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	PO-6
CO 1	Recognize the key importance of child health in the context of the health priority of country	2	2				
CO 2	Identify social, economic, environmental, biological and emotional determinants of child and adolescent health, and institute diagnostic, therapeutic, rehabilitative, preventive and promotive measures to provide holistic care to neonates and children	3	2	1	1	1	1
CO 3	Develop skills as a self-directed learner. Recognize continuing educational needs; use appropriate learning resources and critically analyze published literature in order to practice evidence-based Pediatrics.	2	2		3	3	
CO 4	Function as a productive member of a team engaged in <u>healthcare</u> , research and education.	2			1	2	2
CO 5	Should be able to function as a part of a team, develop an attitude of cooperation with colleagues, and interact with the patient and the clinician or other colleagues to provide the best possible diagnosis or opinion.	2		3			2

CO 6	Always Adopt ethical principles and maintain proper etiquette in dealings with patients, relatives and other health personnel and to respect the rights of the patient including the right to information and second opinion.	2		2			1
CO 7	Develop communication skills to word reports and professional opinion as well as to interact with patients, relatives, peers and paramedical staff, and for effective teaching.	2		3			1
CO 8	Gain proficiency in eliciting, processing and systemically presenting Paediatrics history and examination with due emphasis of the important and minimization of less important facts.	3	2	2	2		
CO 9	Demonstrate effective patient monitoring, diagnostic and therapeutic skills.	3					2
CO 10	Demonstrate proficiency in management of pediatric neonatal emergencies, including emergency	2		1			2
Course-wise PO Average		2.300	0.800	1.200	0.600	0.500	1.000




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	PO-6
Pediatrics	2.300	0.800	1.200	0.600	0.500	1.000
Combined Average PO Reference values	2.300	0.800	1.200	0.600	0.500	1.000

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	PO-6
Pediatrics	3.000	2.300	0.800	1.200	0.600	0.500	1.000
Average PO Achievement Through Results		2.300	0.800	1.200	0.600	0.500	1.000
Average PO Reference values		2.300	0.800	1.200	0.600	0.500	1.000
Percentage Attainment of PO's		100%	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:

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

