



स्वामी राम हिमालयन विश्वविद्यालय
Swami Rama Himalayan University

Criterion 1 - Curricular Aspects

1.1.1 Outcome Analysis of POs, COs **MS Obstetrics & Gynaecology (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	Clinical Obstetrician and Gynaecologist who can render services in basic as well as advanced areas of obstetrics & Gynaecology.
PO2	Leader & member of health care team and system.
PO3	Communicator with patients, families, colleagues, community.
PO4	Lifelong learner committed to continuous improvement of skills and knowledge.
PO5	Professional who is committed to excellence, is ethical, responsive, and accountable to patients, community and the profession




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		Obstetrics & Gynaecology				
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	Provide quality care to the community in the diagnosis and management of Antenatal, Intra-natal and Post-natal period of normal and abnormal pregnancy and labour.	3	3	3	2	3
CO2	Provide effective and adequate care to a pregnant woman with complicated pregnancy.	3	2	3	3	3
CO3	Provide effective and adequate care to a normal and high-risk neonate.	3	1	2	2	3
CO4	Provide quality care to women having spontaneous abortion or requesting Medical Termination of Pregnancy (MTP) and manage their related complications	3	2	3	3	3
CO5	On interpretation of various laboratory investigations and other diagnostic modalities in Obstetrics & Gynaecology	3	1	2	2	1
CO6	Able to teach common practical procedure for medical and para medical staff.	3	1	3	3	1



CO7	Conduct a comprehensive evaluation of infertile couple and have a broad based knowledge of assisted reproductive techniques including – ovulation induction, in vitro fertilization and intra-cytoplasmic sperm injection, gamete donation, surrogacy and the legal and ethical implications of these procedures	3	1	3	3	1
CO8	Provide counselling and delivery of fertility regulation methods including reversible and irreversible contraception, emergency contraception etc.	3	3	3	3	3
CO9	Apply medico- legal principles and legal issues of informed consent, pre conception and prenatal Diagnostic Technique (PCPNDT Act) and other related Acts, Tubectomy, Consent to surgical procedure, Medical certification, research and teaching and properly maintain medical record.	3	3	3	3	3
CO10	To be aware of relevant strategies to ensure confidentiality and when it might be broken.	3	3	3	2	3
CO11	Perform obstetrical ultrasound in normal and abnormal pregnancy including Doppler	3	1	3	3	3
CO12	Manage effectively all obstetrical and gynaecological emergencies and if necessary, make appropriate referrals.	3	2	3	2	3
CO13	Provide quality care to the community in the diagnosis and management of gynaecological problems including screening, and management of all gynaecological cancers including during pregnancy.	3	1	3	3	2
Course-wise PO Average		3.000	1.846	2.846	2.615	2.462



C. Program outcome Target Value:

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

Course Title	PO-1	PO-2	PO-3	PO-4	PO-5
Obstetrics & Gynaecology	3.000	1.846	2.846	2.615	2.462
Combined Average PO Reference values	3.000	1.846	2.846	2.615	2.462

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 MS program the threshold percentage is set at 50% for University Examination.



Course Title	Attainment of COs	Derived Attainment of POs Course-wise				
		PO-1	PO-2	PO-3	PO-4	PO-5
Obstetrics & Gynaecology	2.500	2.500	1.538	2.372	2.179	2.052
Average PO Achievement Through Results		2.500	1.538	2.372	2.179	2.052
Average PO Reference values		3.000	1.846	2.846	2.615	2.462
Percentage Attainment of PO's		83.3%	83.3%	83.3%	83.3%	83.3%

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:

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


