



MAHATMA GANDHI INSTITUTE OF MEDICAL SCIENCES, SEVAGRAM

PROGRAMME-SPECIFIC LEARNING OUTCOMES

The Mahatma Gandhi Institute of Medical Sciences follows the guidelines of the National Medical Commission. These guidelines are also followed by the Maharashtra University of Health Sciences.

MBBS Course

For the MBBS Course, we have shifted to a competency-based curriculum since 2019. The competencies have been mapped out as per NMC guidelines into a template as follows:

Subject-wise outcomes called “sub-competencies” that must be achieved at the end of instruction in that subject are defined. These are organized in tables and have two parts. The core subject outcomes are in first part. The second part in the same document (titled Integration) contains outcomes/competencies in other subjects which have been identified by experts in those subjects as requiring alignment or integration with the core subject.

Outcomes (competencies) in each subject are grouped according to topics number-wise. For each competency outlined - the learning domains (Knowledge, Skill, Attitude, Communication) are identified. The expected level of achievement in that subject is identified as – [knows (K), knows how (KH), shows how (SH), perform (P)]. As a rule, ‘perform’ indicates independent performance without supervision and is required rarely in the pre-internship period. The outcome is a core (Y - must achieve) or a non-core (N - desirable) outcome. Suggested learning and assessment methods (these are suggestions) and explanation of the terms used are given under the section “definitions used in this document”. The suggested number of times a skill must be performed independently for certification in the learner’s log book is also given. Last two columns indicate subjects within the same phase and other phases with which the topic can be taught - together - aligned (temporal coordination), shared, correlated or nested.

The number of topics and competencies in each subject are given below:

Topics & outcomes in Pre-clinical & Para-clinical subjects

Sr. No.	Subjects	Number of topics	Number of outcomes
1.	Human Anatomy	82	409
2.	Physiology	11	137
3.	Biochemistry	11	89
4.	Pharmacology	05	85
5.	Pathology	36	182
6.	Microbiology	08	54
7.	Forensic Medicine & Toxicology	14	162
Total		167	1118

Topics & outcomes in Medicine and Allied subjects

Sr. No.	Subjects	Number of topics	Number of outcomes
1.	Community Medicine	20	107
2.	General Medicine	26	506
3.	Respiratory Medicine	02	47
4.	Pediatrics	35	406
5.	Psychiatry	19	117
6.	Dermatology, Venereology & Leprosy	18	73
7.	Physical Medicine & Rehabilitation	09	43
Total		129	1299

Topics & outcomes in Surgery and Allied subjects

Sr. No.	Subjects	Number of topics	Number of outcomes
1.	General Surgery	30	133
2.	Ophthalmology	09	60
3.	Otorhinolaryngology	04	76
4.	Obstetrics & Gynaecology	38	126
5.	Orthopedics	14	39
6.	Anesthesiology	10	46
7.	Radiodiagnosis	01	13

8.	Radiotherapy	05	16
9.	Dentistry	05	23
Total		116	532

The competency tables used for alignment of objectives with teaching methods and assessment methods are as defined by NMC. These are provided in the following URLs.

- Subject-wise I and II MBBS outcomes: <https://www.nmc.org.in/wp-content/uploads/2020/01/UG-Curriculum-Vol-I.pdf>
- Subject-wise Final MBBS Part 1 and Part 2: <https://www.nmc.org.in/wp-content/uploads/2020/01/UG-Curriculum-Vol-II.pdf>
- <https://www.nmc.org.in/wp-content/uploads/2020/01/UG-Curriculum-Vol-III.pdf>

POSTGRADUATE COURSES

These are also defined by NMC and are being revised gradually

- Subject-wise Course Outcomes for all MD/ MS Courses: <https://www.nmc.org.in/information-desk/for-colleges/pg-curricula-2/>