MBBS Second Year Syllabus

Phase II | 12 months | NMC CBME Curriculum 2024

Teaching and learning hours

Subject or activity	Hours
Pathology	260
Pharmacology	260
Microbiology	228
Community Medicine, including family visits	59
Forensic Medicine and Toxicology	45
Clinical subject teaching and postings	600
Attitude, Ethics and Communication (AETCOM)	37
Sports, yoga and extracurricular activities	32
Total teaching and learning hours	1521

Professional examination

University examination subject	Theory	Practical or clinical	Total
Pathology	2 × 100	100	300
Microbiology	2 × 100	100	300
Pharmacology	2 × 100	100	300

The NMC's suggested 100-mark theory paper runs for three hours. A student may join Phase III Part I training after failing the Phase II examination, subject to the syllabus progression rule. Phase II must be cleared before sitting the Phase III Part I university examination.

Clinical training and requirements

- Begin supervised learner-doctor postings. Practise history taking, physical examination, detecting changes in a patient's condition, communication and patient education.
- Follow up adopted families and continue the Family Adoption Programme records. Community Medicine and Forensic Medicine and Toxicology teaching and internal assessment carry forward to Phase III Part I.
- Annexure 5 lists 600 hours for clinical subjects, including 540 posting hours. It identifies another 24 clinical hours within Community Medicine. The usual Phase II posting schedule is three hours a day, Monday to Friday.

Annexure 6 posting allocation	Weeks
General Medicine	8
General Surgery	6
Obstetrics and Gynaecology	6
Paediatrics	4
Community Medicine	4
Otorhinolaryngology (ENT)	4

Annexure 6 posting allocation	Weeks
Ophthalmology	4
Total shown in Annexure 6	36

Exam eligibility and passing marks

- University examination eligibility requires at least 75% theory attendance and 80% practical or clinical attendance in each subject. For subjects spanning phases, this applies in every phase of instruction.
- Attain at least 75% in AETCOM attendance and 80% attendance in required Family Adoption Programme visits where applicable. Allied subjects require individual attendance, including at least 80% in each clinical posting.
- Internal assessment eligibility requires at least 50% combined across theory and practical or clinical, with at least 40% in each. Internal marks appear separately from university marks. Complete the prescribed certifiable competencies and logbook.
- To pass the university examination, obtain at least 50% across theory and practical or clinical combined and at least 40% in each component. For a two-paper subject, the theory minimum applies to both papers combined. The curriculum provides no grace marks.

The curriculum calls for at least three theory and practical internal assessments in each subject, including a pre-university examination.

Subject topics

Pathology

Gross and microscopic specimens, blood counts and films, transfusion principles and interpretation of pathology and laboratory reports.

Pathology topics	
01 Introduction to Pathology	02 Cell Injury and Adaptation
03 Inflammation	04 Healing and repair
05 Hemodynamic disorders	06 Neoplastic disorders
07 Basic diagnostic cytology	08 Immunopathology and AIDS
09 Amyloidosis	10 Infections and Infestations
11 Genetic and pediatric diseases	12 Environmental and nutritional diseases
13 Introduction to hematology	14 Microcytic anemia
15 Macrocytic anemia	16 Hemolytic anemia
17 Aplastic anemia	18 Leukocyte disorders
19 Lymph node and spleen	20 Hemorrhagic disorders
21 Blood banking and transfusion	22 Clinical Pathology
23 Gastrointestinal tract	24 Hepatobiliary system
25 Respiratory system	26 Cardiovascular system
27 Urinary Tract	28 Male Genital Tract
29 Female Genital Tract	30 Breast
31 Endocrine system	32 Bone and soft tissue
33 Skin	34 Central Nervous System
35 Eye	

Microbiology

Clinical specimens, diagnostic report interpretation, immunology, infection prevention, healthcare-associated infection and antimicrobial stewardship.

Microbiology topics	
01 General Microbiology, Ethics and Communication	02 Basic Immunology and Immunological disorders
03 CVS and Blood	04 Gastrointestinal and Hepatobiliary system
05 Musculoskeletal system, Skin and Soft tissue infections	06 Central Nervous System infections
07 Respiratory tract infections	08 Genitourinary and Sexually Transmitted Infections
09 Zoonotic diseases and Miscellaneous	10 Healthcare-associated infections (HAI)
11 Antimicrobial resistance (AMR) and Antimicrobial Stewardship (AMSP)	

Pharmacology

Drug formulations, prescription writing, dose calculations, rational drug selection, counselling, monitoring and adverse-drug-reaction reporting.

Pharmacology topics	
01 General Pharmacology (GP)	02 Autonomic and Peripheral Nervous system, Autacoids
03 Central Nervous system	04 Cardiovascular system and Blood
05 Respiratory system	06 Gastrointestinal system
07 Endocrine system	08 Chemotherapy
09 Miscellaneous	10 Applied Pharmacology

Curriculum sources

Click here | NMC CBME Curriculum, issued 12 September 2024. See the supplied PDF pages 29-62 for course structure, assessment and phase tables.

First Hope

Click here to visit our website

MBBS STUDY NOTES

Complete MBBS notes by subject and year are available only in the FirstHope app.

Scan or click here

Click here to get the app >

Available on Google Play

MBBS resources on FirstHope

firsthope.co.in/mbbs

Click here to explore MBBS >

Scan or click here

FirstHope Medical on Instagram

@firsthope.medical

Click here to follow

App and notes help

Get help finding your collection

Click here for help