

MBBS Syllabus
Presented for Non-Iranian Students

Summer 2018

1st Semester:

| No. | Course | Credit | | | | Total Credit | Total Time (Hours) | Course Code | |
|---------------------|-------------------------------------|-------------|--------------|-------|--------------|--------------|--------------------|--------------|--|
| | | Theo. | Time (Hours) | Prac. | Time (Hours) | | | Prerequisite | |
| 1 | Cell Physiology | 0.8 | 14 | - | - | 0.8 | 14 | - | |
| 2 | Cellular and Molecular Biochemistry | 1.88 | 32 | 0.45 | 15 | 2.3 | 47 | - | |
| 3 | Introduction to Anatomy | 2.25 | 38 | 0.25 | 8 | 2.5 | 46 | - | |
| 4 | Medical Ethics I | - | - | 0.5 | 17 | 0.5 | 17 | - | |
| 5 | History of Religions | 2 | 34 | - | - | 2 | 34 | - | |
| 6 | Physical Education I | - | - | 1 | 34 | 1 | 34 | - | |
| 7 | Persian Language and Literature | 3 | 51 | - | - | 3 | 51 | - | |
| 8 | Health Psychology | 2 | 34 | - | - | 2 | 34 | - | |
| 9 | Special English I | 3 | 51 | - | - | 3 | 51 | - | |
| Total Credit | | 17.1 | | | | | | | |

2nd Semester:

| No. | Course | Credit | | | | Total Credit | Total Time (Hours) | Course Code |
|---------------------|---------------------------------|-------------|--------------|-------|--------------|--------------|--------------------|--|
| | | Theo. | Time (Hours) | Prac. | Time (Hours) | | | Prerequisite |
| 1 | Musculoskeletal Anatomy | 1.8 | 30 | 0.6 | 20 | 2.4 | 50 | Introduction to Anatomy, Cell Physiology |
| 2 | Cardiovascular System Anatomy | 1 | 17 | 0.5 | 16 | 1.5 | 33 | Introduction to Anatomy, Cell Physiology |
| 3 | Heart Physiology | 0.45 | 8 | 0.05 | 2 | 0.5 | 10 | Introduction to Anatomy, Cell Physiology |
| 4 | Blood Circulation Physiology | 1.1 | 19 | 0.1 | 4 | 1.2 | 23 | Introduction to Anatomy, Cell Physiology |
| 5 | Respiratory System Anatomy | 0.47 | 8 | 0.23 | 8 | 0.7 | 16 | Introduction to Anatomy, Cell Physiology |
| 6 | Respiratory Physiology | 0.58 | 10 | 0.12 | 4 | 0.7 | 14 | Introduction to Anatomy, Cell Physiology |
| 7 | Physical Education II | - | - | 1 | 34 | 1 | 34 | Physical Education I |
| 8 | Principles of Health Services | 1.5 | 26 | - | - | 1.5 | 26 | - |
| 9 | Discipline Biochemistry | 1.26 | 22 | 0.44 | 15 | 1.7 | 37 | Cellular and Molecular Biochemistry |
| 10 | Medical Bacteriology | 2.4 | 41 | 0.6 | 20 | 3 | 61 | Cellular and Molecular Biochemistry, Cell Physiology |
| 11 | Medical Ethics II | - | - | 0.5 | 17 | 0.5 | 17 | Medical Ethics I |
| 12 | General Principles of Nutrition | 2 | 34 | - | - | 2 | 34 | Cellular and Molecular Biochemistry |
| Total Credit | | 16.7 | | | | | | |

3rd Semester:

| No. | Course | Credit | | | | Total Credit | Total Time (Hours) | Course Code Prerequisite | |
|----------------------|------------------------------------|-----------|--------------|-------|--------------|--------------|--------------------|--|--|
| | | Theo. | Time (Hours) | Prac. | Time (Hours) | | | | |
| 1 | Medical Immunology | 1.76 | 30 | 0.24 | 8 | 2 | 38 | Cellular and Molecular Biochemistry, Cell Physiology | |
| 2 | Blood Physiology | 0.33 | 5 | 0.07 | 2 | 0.4 | 7 | Cellular and Molecular Biochemistry, Cell Physiology | |
| 3 | Head and Neck Anatomy | 1.2 | 20 | 0.5 | 17 | 1.7 | 37 | Introduction to Anatomy, Cell Physiology | |
| 4 | Nervous System Anatomy | 1.49 | 25 | 0.41 | 14 | 1.9 | 39 | Introduction to Anatomy, Cell Physiology | |
| 5 | Special Senses System Anatomy | 0.8 | 14 | 0.1 | 4 | 0.9 | 18 | Introduction to Anatomy, Cell Physiology | |
| 6 | Nerves & Special Senses Physiology | 1.4 | 24 | 0.1 | 4 | 1.5 | 28 | Introduction to Anatomy, Cell Physiology | |
| 7 | Genetics | 2 | 34 | - | - | 2 | 34 | Cellular and Molecular Biochemistry, Cell Physiology | |
| 8 | Principles of Epidemiology | 2 | 34 | - | - | 2 | 34 | - | |
| 9 | Medical Ethics III | - | - | 0.5 | 17 | 0.5 | 17 | Medical Ethics 2 | |
| 10 | Biophysics | 1.74 | 30 | 0.24 | 8 | 2 | 38 | - | |
| 11 | Specialized English Language II | 3 | 51 | - | - | 3 | 51 | Specialized English Language I | |
| Total Credits | | 18 | | | | | | | |

4th Semester:

| No. | Course | Credit | | | | Total Credit | Total Time (Hours) | Course Code |
|----------------------|------------------------------------|-------------|--------------|-------|--------------|--------------|--------------------|--|
| | | Theo. | Time (Hours) | Prac. | Time (Hours) | | | Prerequisite |
| 1 | Gastrointestinal System Physiology | 0.59 | 10 | 0.11 | 4 | 0.7 | 14 | Introduction to Anatomy, Cell Physiology |
| 2 | Gastrointestinal System Anatomy | 1.5 | 26 | 0.5 | 17 | 2 | 43 | Introduction to Anatomy, Cell Physiology |
| 3 | Kidney Physiology | 0.7 | 12 | 0.1 | 4 | 0.8 | 16 | Introduction to Anatomy, Cell Physiology |
| 4 | Genitourinary System Anatomy | 0.85 | 14 | 0.25 | 8 | 1.1 | 22 | Introduction to Anatomy, Cell Physiology |
| 5 | Glands & Reproduction Physiology | 1.18 | 20 | 0.12 | 4 | 1.3 | 24 | Introduction to Anatomy, Cell Physiology |
| 6 | Endocrine Glands Anatomy | 0.23 | 4 | 0.17 | 6 | 0.4 | 10 | Introduction to Anatomy, Cell Physiology |
| 7 | Kidney Biochemistry | 0.2 | 4 | - | - | 0.2 | 4 | Physical Education I |
| 8 | Hormones Biochemistry | 0.7 | 12 | - | - | 0.7 | 12 | - |
| 9 | Medical Virology | 1 | 17 | - | - | 1 | 17 | Cellular and Molecular Biochemistry |
| 10 | Medical Ethics IV | - | - | 0.5 | 17 | 0.5 | 17 | Medical Ethics 3 |
| 11 | Medical Mycology | 0.88 | 15 | 0.12 | 4 | 1 | 19 | |
| 12 | Parasitology | 1.65 | 28 | 0.35 | 12 | 2 | 40 | |
| 13 | General and Practical Pathology | 3 | 51 | 1 | 34 | 4 | 85 | |
| Total Credits | | 15.7 | | | | | | |

5th Semester: Clinical Preliminaries I

| No. | Course | Credit | | | | Total Credit | Total Time (Hours) | | |
|----------------------|--|-------------|--------------|-------|--------------|--------------|--------------------|--|--|
| | | Theo. | Time (Hours) | Prac. | Time (Hours) | | | | |
| 1 | Introduction to Hematology | 1.88 | 32 | 0.12 | 4 | 2 | 36 | - | |
| 2 | Introduction to Endocrinology | 1.88 | 32 | 0.12 | 4 | 2 | 36 | | |
| 3 | Introduction to Rheumatology | 1.49 | 26 | 0.11 | 4 | 1.6 | 30 | | |
| 4 | Introduction to Gastrointestinal System and Hepatology | 2 | 36 | 0.1 | 4 | 2.1 | 40 | | |
| 5 | Skin, Bones, Soft Tissues and Joints Pathology | 0.48 | 8 | 0.12 | 4 | 0.6 | 12 | General and Practical Pathology | |
| 6 | Gastrointestinal System Pathology | 0.48 | 8 | 0.12 | 4 | 0.6 | 12 | General and Practical Pathology | |
| 7 | Liver and Bile Tracts Pathology | 0.35 | 6 | 0.05 | 2 | 0.4 | 8 | General and Practical Pathology | |
| 8 | Hematology and Endocrinology Pathology | 0.55 | 10 | 0.05 | 2 | 0.6 | 12 | General and Practical Pathology | |
| 9 | Basic Principles of Medical Pharmacology | 1 | 17 | - | - | 1 | 17 | Biochemistry, Physiology, Nervous System Anatomy | |
| 10 | Cardiovascular & Pulmonary Drugs Pharmacology | 0.6 | 10 | - | - | 0.6 | 10 | Basic Principles of Medical Pharmacology | |
| 11 | Endocrine Drugs Pharmacology | 0.5 | 9 | - | - | 0.5 | 9 | Basic Principles of Medical Pharmacology | |
| 12 | Medical History and Physical Examination I | 1 | 17 | - | - | 1 | 17 | - | |
| 13 | Medical History and Physical Examination Clerkship I | - | - | 1 | 51 | 1 | 51 | - | |
| 14 | Introduction to Pediatrics | 1 | 17 | - | - | 1 | 17 | | |
| 15 | Introduction to Surgical Diseases | 0.88 | 15 | 0.12 | 4 | 1 | 19 | | |
| 16 | Clinical Reasoning of Common Signs and Symptoms Approach | 0.5 | 8 | - | - | 0.5 | 8 | - | |
| 17 | Nutrition in Diseases | 1.65 | 28 | 0.35 | 12 | 2 | 40 | | |
| 18 | Epidemiology of Common Contagious Diseases | 1 | 17 | - | - | 1 | 17 | Principles of Epidemiology | |
| Total Credits | | 19.5 | | | | | | | |

6th Semester: Clinical Preliminaries II

| No. | Course | Credit | | | | Total Credits | Total Time (Hours) | |
|----------------------|--|-----------|--------------|-------|--------------|---------------|--------------------|--|
| | | Theo. | Time (Hours) | Prac. | Time (Hours) | | | |
| 1 | Introduction to Cardiovascular Diseases | 1.88 | 32 | 0.12 | 4 | 2 | 36 | - |
| 2 | Introduction to Nephrology | 1.5 | 26 | 0.1 | 4 | 1.6 | 30 | |
| 3 | Introduction to Respiratory System | 1.88 | 32 | 0.12 | 4 | 2 | 36 | - |
| 4 | Cardiovascular System Pathology | 0.35 | 6 | 0.05 | 2 | 0.4 | 8 | General and Practical Pathology |
| 5 | Kidney and Upper Urinary Tracts Pathology | 0.35 | 6 | 0.05 | 2 | 0.4 | 8 | General and Practical Pathology |
| 6 | Genital System, Lower Urinary Tract, and Pathology, Breast | 0.6 | 10 | 0.14 | 4 | 0.74 | 14 | General and Practical Pathology |
| 7 | Respiratory System Pathology | 0.35 | 6 | 0.05 | 2 | 0.4 | 8 | General and Practical Pathology |
| 8 | Central and Peripheral Nervous System Pathology | 0.5 | 8 | 0.06 | 2 | 0.56 | 10 | General and Practical Pathology |
| 9 | Antimicrobial Drugs Pharmacology | 0.6 | 10 | - | - | 0.6 | 10 | Basic Principles of Medical Pharmacology |
| 10 | Neurology Drugs Pharmacology | 0.7 | 12 | - | - | 0.7 | 12 | Basic Principles of Medical Pharmacology |
| 11 | Cardiovascular & Pulmonary Drugs Pharmacology | 0.6 | 10 | - | - | 0.6 | 10 | Basic Principles of Medical Pharmacology |
| 12 | Medical History and Physical Examination II | 1 | 17 | - | - | 1 | 17 | - |
| 13 | Medical History and Physical Examination Clerkship II | - | - | 1 | 51 | 1 | 51 | - |
| 14 | Introduction to Infectious Diseases | 1 | 17 | - | - | 1 | 17 | |
| 15 | Introduction to Psychiatric Diseases | 0.5 | 8 | - | - | 0.5 | 8 | |
| 16 | Introduction to Nervous System | 0.5 | 9 | - | - | 0.5 | 9 | |
| 17 | Clinical Pathology | 0.94 | 16 | 0.06 | 2 | 1 | 18 | General and Practical Pathology |
| 18 | Biostatistics | 1 | 17 | - | - | 1 | 17 | Principles of Epidemiology |
| 19 | Pharmacotherapy of Common Diseases | 2 | 34 | - | - | 2 | 34 | |
| 20 | Clinical Immunology | 1 | 17 | - | - | 1 | 17 | |
| 21 | Common Contagious Diseases Epidemiology in Country | 1 | 17 | - | - | 1 | 17 | Principles of Epidemiology |
| Total Credits | | 20 | | | | | | |

Clerkship

| No. | Course | Credit | | | Total Credits | Total time (Hours/Months) | |
|----------------------|---|-----------|-----------------|----------------------|---------------|------------------------------|---|
| | | Theo. | Time (Hours) | Prac. | | | |
| 1 | Traditional Medicine | 2 | 34 | - | 2 | 34 | |
| 2 | Internal Medicine Clerkship I and II | - | | 9 | 9 | 3 (Months) | |
| 3 | Cardiovascular Diseases Clerkship | - | | 3 | 3 | 1 (Months) | |
| 4 | Pediatrics Clerkship I and II | - | | 9 | 9 | 3 (Months) | |
| 5 | Theoretical Pediatrics I | 4 | 68 | - | 4 | 68 | |
| 6 | Theoretical Pediatrics I | 1 | 17 | - | 1 | 17 | |
| 7 | General Surgery Clerkship I and II | - | | 6 | 6 | 2 (Months) | |
| 8 | Theoretical Surgical Diseases | 5 | 85 | - | 5 | 85 | |
| 9 | Orthopedics Clerkship | - | | 3 | 3 | 1 (Months) | |
| 10 | Orthopedics | 3 | 51 | - | 3 | 51 | |
| 11 | Urology Clerkship | - | | 1.5 | 1.5 | 2 (week) | |
| 12 | Genitourinary Tract Diseases (Urology) | 1 | 17 | - | 1 | 17 | |
| 13 | Anesthesiology Clerkship | - | | 1.5 | 1.5 | 2 (week) | |
| 14 | Gynecology and Obstetrics Clerkship I and II | - | | 6 | 6 | 2 (Months) | |
| 15 | Gynecology and Obstetrics | 4 | 68 | - | 4 | 68 | |
| 16 | Community and Family Medicine Clerkship | - | | 3 | 3 | 1 (Months) | |
| 17 | Psychiatric Clerkship | - | | 3 | 3 | 1 (Months) | |
| 18 | Psychiatric Diseases | 1.5 | 26 | - | 1.5 | 26 | |
| 19 | Emergency Medicine Clerkship | - | | 1.5 | 1.5 | 2 (week) | |
| 20 | Radiology Clerkship | - | | 3 | 3 | 1 (Months) | |
| 21 | Infectious Diseases Clerkship | - | | 3 | 3 | 1 (Months) | |
| 22 | Infectious Diseases | 2 | 34 | - | 2 | 34 | |
| 23 | Neurology Clerkship | - | | 3 | 3 | 1 (Months) | |
| 24 | Neurology | 1.5 | 26 | - | 1.5 | 26 | |
| 25 | Dermatology Clerkship | - | | 3 | 3 | 1 (Months) | |
| 26 | Ophthalmology Clerkship | - | | 1.5 | 1.5 | 2 (week) | |
| 27 | ENT Clerkship | - | | 3 | 3 | 1 (Months) | |
| 28 | Medical Ethics | 2 | 34 | - | 2 | 34 | |
| 29 | Forensic Medicine and Poisonings | 2 | 34 | - | 2 | 34 | |
| 30 | Research Methodology and Evidence-Based Medicine | 0.4 | 7 | 0.6 (19 hours) | 1 | 26 | Principles of Epidemiology, Biostatistics |
| 31 | Principles of Demography and Family Health | 2 | 34 | - | 2 | | Principles of Health Services |
| Total Credits | | 95 | | | | | |