



Zanjan University of Medical Sciences

MBBS Syllabus Presented for Non-Iranian Students

Credit Code	Subject	Credit Hours	Theoretical	Practical	Clinical Training	Internship	Course delivery phase	Credit Type (Basics/ Practical)
Anatomy Science Courses		(15)314	196	118				
101	Introduction to Anatomy	46	38	8			Basic Sciences	Basics
102	Musculoskeletal- Anatomy Sciences	50	30	20			Basic Sciences	Basics
103	Head and neck - Anatomy Sciences	37	20	17			Basic Sciences	Basics
104	Cardiovascular - Anatomy Sciences	23	17	16			Basic Sciences	Basics
105	Respiratory system - Anatomy Sciences	16	8	8			Basic Sciences	Basics
106	Digestive system - anatomy sciences	43	26	17			Basic Sciences	Basics
107	Endocrine - Anatomy Sciences	10	4	6			Basic Sciences	Basics
108	Nervous system- Anatomy Sciences	39	25	14			Basic Sciences	Basics
109	Special senses system- Anatomy Sciences	18	14	4			Basic Sciences	Basics
110	Genitourinary System- Anatomy Sciences	22	14	8			Basic Sciences	Basics
Physiology courses		(8)150	122	28				
111	Cell Physiology	14	14	-			Basic Sciences	Basics
112	Heart Physiology	10	8	2			Basic Sciences	Basics
113	Respiration system Physiology	14	10	4			Basic Sciences	Basics
114	Neurophysiology and special senses	28	24	4			Basic Sciences	Basics

115	Blood Circulation system Physiology	23	19	4			Basic Sciences	Basics
116	Digestive system Physiology	14	10	4			Basic Sciences	Basics
117	Blood Physiology	7	5	2			Basic Sciences	Basics
118	Endocrine and Reproductive Systems Physiology	24	20	4			Basic Sciences	Basics
119	Renal System Physiology	16	12	4			Basic Sciences	Basics
Medical Biochemistry Lessons		(5)100	70	30				
120	Molecular-Cellular Biochemistry	47	32	15			Basic Sciences	Basics
121	Discipline- based Biochemistry	37	22	15			Basic Sciences	Basics
122	Biochemistry of Hormones	12	12	--			Basic Sciences	Basics
123	Biochemistry of Renal system	4	4	--			Basic Sciences	Basics
124	Medical Genetics	(2)34	34	--			Basic Sciences/ Clinical Basics	Basics
125	General Principles of Nutrition	(2)34	34	--			Basic Sciences/ Clinical Basics	Basics
126	Medical Physics	(2)38	30	8			Basic Sciences/ Clinical Basics	Basics
Parasitology and medical microbiology Courses		(7)137	101	36				
127	Medical bacteriology	61	41	20			Basic Sciences	Basics
128	Parasitology	40	28	12			Basic Sciences	Basics
129	Medical Mycology	19	15	4			Basic Sciences	Basics

130	Medical Virology	17	17	--			Basic Sciences	Basics
Immunology Courses		(3)55	47	8				
131	Medical Immunology	38	30	8			Basic Sciences/ Clinical Basics	Basics
132	Clinical Immunology	17	17	--			Clinical Basics	Basics
Social Medicine and Health Sciences		(9.5)171	152	19				
133	Principles of Health Services	26	26	--			Basic Sciences	Basics
134	Principles of Epidemiology	34	34	--			Basic Sciences	Basics
135	Medical Statistics	17	17	--			Clinical Basics	Basics
136	Research method and Evidence-based medicine	26	7	19			Clinical Basics / Internship	Basics
137	Epidemiology of common contagious diseases in the country	17	17	--			Clinical Basics / Internship	Basics
138	Epidemiology of common non-contagious diseases in the country	17	17	--			Clinical Basics / Internship	Basics
139	Principles of Demography and Family Health	34	34	--			Internship	Specialized
140	health Psychology	(2)34	34	--			Basic Sciences / Clinical Basics	Basics
Medical Ethics Lessons		(2)68	--	68				
141	Medical Ethics 1	17	--	17			Basic Sciences	Basics
142	Medical Ethics 2	17	--	17			Basic Sciences	Basics
143	Medical Ethics 3	17	--	17			Basic Sciences	Basics
144	Medical Ethics 4	17	--	17			Basic Sciences	Basics

Technical English Language Lessons		(6)102	102	--				
145	Specific English 1	51	51	--			Basic Sciences	Basics
146	Specific English 2	51	51	--			Basic Sciences	Basics
General Pathology courses		(3)51	51	--				
147	General Pathology and Cell damage	9	9	--			Basic Sciences / Clinical Basics	Basics
148	Pathology of inflammation, Tissue regeneration & Hemodynamic disorders	10	10	--			Basic Sciences / Clinical Basics	Basics
149	Pathology of human immune system disorders	8	8	--			Basic Sciences / Clinical Basics	Basics
150	Pathology of neoplasia	10	10	--			Basic Sciences / Clinical Basics	Basics
151	Pathology of Genetic Disorders and Infantile Diseases	8	8	--			Basic Sciences / Clinical Basics	Basics
152	Pathology of environmental, nutritional and infectious diseases	6	6	--			Basic Sciences / Clinical Basics	Basics
153	Practical Pathology	(1)34	--	34			Basic Sciences / Clinical Basics	Basics
154	Clinical Pathology	(1)18	16	2			Clinical Basics / Internship	Specialized
Specific Pathology Courses		(4.7)92	68	24				
155	Pathology of the cardiovascular system	8	6	2			Clinical Basics	Specialized
156	Pathology of the respiratory tract system	8	6	2			Clinical Basics	Specialized

157	Pathology of the renal and upper urinary tract system	8	6	2			Clinical Basics	Specialized
158	Gastrointestinal Pathology	۱۲	۸	۴			Clinical Basics	Specialized
159	Pathology of the hepatic & bile ducts	۸	۶	۲			Clinical Basics	Specialized
160	Pathology of the genital, lower urinary tract and breast	۱۴	۱۰	۴			Clinical Basics	Specialized
161	Pathology of blood and endocrine glands diseases	۱۲	۱۰	۲			Clinical Basics	Specialized
162	Pathology of the skin, bones, soft tissues and joints	۱۲	۸	۴			Clinical Basics	Specialized
163	Pathology of central and peripheral nervous system	۱۰	۸	۲			Clinical Basics	Specialized
Medical pharmacology courses		(4)68	68					
164	Principles of medical pharmacology	17	17				Basic Sciences / Clinical Basics	basis
165	Pharmacology of Cardiovascular & pulmonary drugs	10	10				Clinical Basics / Internship	basis
166	Pharmacology of antimicrobial drugs	10	10				Clinical Basics / Internship	basis
167	Pharmacology of Gastroenterology, Hematology and Rheumatology drugs	10	10				Clinical Basics / Internship	basis

168	Pharmacology of Endocrine Drugs	9	9				Clinical Basics / Internship	basis
169	Pharmacology of neurology and psychiatry system drugs	12	12				Clinical Basics / Internship	basis
History taking and physical examination Courses		(4)136	34	--	102			
170	History and physical examination 1	(1)17	17				Clinical Basics	Specialized
171	History and physical examination1	(1)51			51		Clinical Basics	Specialized
172	History and physical examination 2	(1)17	17				Clinical Basics	Specialized
173	History taking and physical examinations clinical training	(1)51			15		Clinical Basics	Specialized
Introductory Clinical Diseases courses		(18)322	290	32				
174	Clinical reasoning with a focus on common signs and symptoms	(0.5)8	8				Clinical Basics	Specialized
175	Introduction to Cardiovascular Diseases	(2)36	32	4			Clinical Basics	Specialized
176	Introduction to respiratory system diseases	(2)36	32	4			Clinical Basics	Specialized
177	Introduction to hematologic disorders	(2)36	32	4			Clinical Basics	Specialized
178	Introduction to Gastrointestinal and hepatic Diseases	(2.1)40	36	4			Clinical Basics	Specialized

179	Introduction to Endocrine Diseases and Metabolism	(2)36	32	4			Clinical Basics	Specialized
180	Introduction to Renal Diseases	(1.6)30	26	4			Clinical Basics	Specialized
181	Introduction to Rheumatology Diseases	(1.6)30	26	4			Clinical Basics	Specialized
182	Introduction to pediatric diseases	(1)17	17				Clinical Basics	Specialized
183	Introduction to surgical diseases	(1)19	15	4			Clinical Basics	Specialized
184	Introduction to neuroscience	(0.5)9	9				Clinical Basics	Specialized
185	Introduction to psychiatry	(0.5)8	8				Clinical Basics	Specialized
186	Introduction to Infectious Diseases	(1)17	17				Clinical Basics	Specialized
187	Traditional medicine	34(2)	34				Internship	Specialized
188	Internal Medicine Internship	9 credits			3 months (12 weeks)		Internship	Specialized
189	Internal Medicine clinical Training Course	12 credits				3 months (12 weeks)	Internship	Specialized
190	Cardiovascular Diseases Internship	3 credits			1 month (4 weeks)		Internship	Specialized
191	Cardiovascular Diseases Clinical Training Course	4 credits				1 month (4 weeks)	Internship	Specialized
192	Pediatric Diseases Internship	9 credits			3 months (12 weeks)		Internship	Specialized

193	Pediatric Diseases Clinical Training Course	12 credits				3 months (12 weeks)	Internship	Specialized
194	Pediatric Diseases 1	(4)68	68				Internship	Specialized
195	Pediatric Diseases 2	(1)17	17				Internship	Specialized
196	General Surgery Internship	6 credits			2 months (8 weeks)		Internship	Specialized
197	General Surgery Clinical Training Course	8 credits				2 months (8 weeks)	Internship	Specialized
198	Surgical Diseases	(5)85	85				Internship	Specialized
199	Orthopedics Internship	3 credits			1 months (4 weeks)		Internship	Specialized
201	Orthopedics Disease (Theoretical Courses)	(3)51	51				Internship	Specialized
202	Orthopedics Internship	1.5 credits			2 weeks		Internship	Specialized
204	Urinary and genital diseases (urology)	(1)17	17				Internship	Specialized
205	Anesthesia Internship	1.5 credits			2 weeks		Internship	Specialized
206	Gynecologic Diseases Internship	6 credits			2 months (8 weeks)		Internship	Specialized
207	Gynecologic Diseases Clinical Training Course	8 credits				2 months (8 weeks)	Internship	Specialized
208	Gynecological Disease	(4)68	68				Internship	Specialized
209	Social and Family Medicine Internship	3 credits			1 months (4 weeks)		Internship	Specialized
210	Social and Family Medicine Clinical Training Course	4 credits				1 months (4 weeks)	Internship	Specialized
211	Psychiatry Internship	3 credits			1 month (4 weeks)		Internship	Specialized

212	Psychiatry Clinical Training Course	4 credits				1 month (4 weeks)	Internship	Specialized
213	Psychiatry Diseases	(1.5)26	26				Internship	Specialized
214	Emergency Medicine Internship	1.5 credits			2 weeks		Internship	Specialized
215	Emergency Medicine Clinical Training Course	4 credits				1 month (4 weeks)	Internship	Specialized
216	Radiology Internship	3 credits			1 month (4 weeks)		Internship	Specialized
217	Infectious Diseases Internship	3 credits			1 month (4 weeks)		Internship	Specialized
219	Infectious Diseases	(2)34	34				Internship	Specialized
220	Neurology Diseases Internship	3 credits			1 month (4 weeks)		Internship	Specialized
222	Neurology Diseases	(1.5)25	25				Internship	Specialized
223	Skin Diseases Internship	3 credits			1 month (4 weeks)		Internship	Specialized
225	Eye Diseases Internship	1.5 credits			2 weeks		Internship	Specialized
227	ENT Diseases Internship	3 credits			1 month (4 weeks)		Internship	Specialized
229	Medical ethics	(2)34	34				Internship	Specialized
230	<u>Forensic</u> Medicine and toxicity	(2)34	34				Internship	Specialized
231	Thesis	6 credits					Internship	Specialized