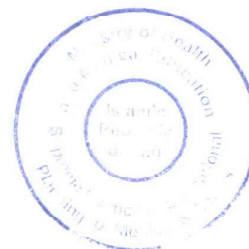


## Tables of Courses

**Table 1. General Courses**

Code	Course Name	Number of Credits	Hours			Prerequisite or Concurrent Courses
			Theoretical	Practical	Total	
1-4	Two courses from the Islamic Theories	4	68	-	68	-
5-8	One course from the Islamic Ethics courses*	2	34	-	34	-
9-11	One course from the Islamic Revolution of Iran courses*	2	34	-	34	-
12-13	One course from the Islamic History and Civilization courses*	2	34	-	34	-
14-15	One course from An Introduction to the Islamic Resources courses*	2	34	-	34	-
16	Persian Language and Literature	3	51	-	51	-
17	General English Language	3	51	-	51	-
18	Physical Education 1	1	-	34	34	-
19	Physical Education 2	1	-	34	34	Physical Education 1
20	Family and Population Planning	2	34	-	34	-
21	Islamic and Iranian Culture and Civilization	2	34	-	34	-
<b>Total</b>		<b>24</b>	<b>374</b>	<b>68</b>	<b>442</b>	

\*Note: Completing these courses is according to the titles of Islamic Education General Courses (the following table), ratified on meeting 542 of the Supreme Council of the Cultural Revolution dated 2004/07/13.



	Course Category	Course Code	Course	Credits	Hours (Credits)			Prerequisite
					Theo.	Prac.	Total	
Islamic Education General Courses	1- Theoretic Fundamentals of Islam	011	Islamic Thought 1	2	34	-	34	
		012	Islamic Thought 2	2	34	-	34	
		013	Human in Islam	2	34	-	34	
		014	Social and Political Rights in Islam	2	34	-	34	
	2- Islamic Ethics	021	Philosophy of Ethics	2	34	-	34	
		022	Islamic Ethics	2	34	-	34	
		023	Ethics of Living	2	34	-	34	
		024	Practical Theosophy of Islam	2	34	-	34	
	3- Islamic Revolution	032	Constitutional Laws of Islamic Republic of Iran	2	34	-	34	
		033	Political Thoughts of Imam Khomeini	2	34	-	34	
	4- Islamic History and Civilization	041	History of Islamic Culture and Civilization	2	34	-	34	
		042	Analytical History of Early Islam	2	34	-	34	
		043	History of Imanah	2	34	-	34	
	5- Introduction to Islamic Resources	051	Quran's Thematic Exegesis	2	34	-	34	
		052	Nahj al-Balagha Thematic Exegesis	2	34	-	34	

Table 2. Core Courses

Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Anatomical Sciences</b>	<b>196</b>	<b>118</b>	<b>314 (15)</b>			
101	Introduction to the Anatomical Sciences	38	8	46		Basic Sciences	Basic
102	Musculoskeletal Anatomy	30	20	50		Basic Sciences	Basic
103	Anatomy of the Head & Neck	20	17	37		Basic Sciences	Basic
104	Anatomy of the Cardiovascular System	17	16	33		Basic Sciences	Basic
105	Anatomy of the Respiratory System	8	8	16		Basic Sciences	Basic
106	Anatomy of the Gastrointestinal System	26	17	43		Basic Sciences	Basic
107	Anatomy of the Endocrine System	4	6	10		Basic Sciences	Basic
108	Anatomy of the Nervous System	23	14	39		Basic Sciences	Basic
109	Anatomy of the Special Senses	14	4	18		Basic Sciences	Basic
110	Anatomy of the Genitourinary System	14	8	22		Basic Sciences	Basic



Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Physiology</b>	<b>122</b>	<b>28</b>	<b>150 (8)</b>			
111	Cell Physiology	14	-	14		Basic Sciences	
112	Physiology of the Heart	8	2	10		Basic Sciences	Basic
113	Physiology of the Respiratory System	10	4	14		Basic Sciences	Basic
114	Physiology of the Nervous System and Special Senses	24	4	28		Basic Sciences	Basic
115	Physiology of the Circulatory System	19	4	23		Basic Sciences	Basic
116	Physiology of the Gastrointestinal System	10	4	14		Basic Sciences	Basic
117	Physiology of Blood	5	2	7		Basic Sciences	Basic
118	Physiology of the Endocrine System and Reproduction	20	4	24		Basic Sciences	Basic
119	Physiology of the Kidney	12	4	16		Basic Sciences	

Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Medical Biochemistry</b>	<b>70</b>	<b>30</b>	<b>100 (5)</b>			
120	Cell and Molecular Biochemistry	32	15	47		Basic Sciences	Basic
121	Discipline Biochemistry	22	15	37		Basic Sciences	Basic
122	Biochemistry of Hormones	12	-	12		Basic Sciences	Basic
123	Biochemistry of the Kidney	4	-	4		Basic Sciences	Basic

124	<b>Medical Genetics</b>	<b>34</b>	<b>-</b>	<b>34 (2)</b>		Basic/Introduction to Clinical Sciences	Basic
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125	<b>General Principles of Nutrition</b>	<b>34</b>	<b>-</b>	<b>34 (2)</b>		Basic Sciences /Introduction to Clinical Sciences	Basic
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126	<b>Medical Physics</b>	<b>36</b>	<b>8</b>	<b>38 (2)</b>		Basic Sciences /Introduction to Clinical Sciences	Basic
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Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	Microbiology & Parasitology	101	36	137 (7)			
127	Medical Bacteriology	41	20	61		Basic Sciences	Basic
128	Parasitology	28	12	40		Basic Sciences	Basic
129	Medical Mycology	15	4	19		Basic Sciences	Basic
130	Medical Virology	17	-	17		Basic Sciences	Basic

Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	Immunology	47	8	55 (3)			
131	Medical Immunology	30	8	38		Basic/Introduction to Clinical Sciences	Basic
132	Clinical Immunology	17	-	17		Basic/Introduction to Clinical Sciences	Basic



Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Community Medicine &amp; Health Sciences</b>	<b>152</b>	<b>19</b>	<b>171 (9.5)</b>			
133	Principles of the Health Services	26	-	26		Basic Sciences	Basic
134	Principles of Epidemiology	34	-	34		Basic Sciences	Basic
135	Medical Statistics	17		17		Introduction to Clinical Sciences	Basic
136	Research Methodology & Evidence-Based Medicine	7	19	26		Introduction to Clinical Sciences/Clerkship	Basic
137	Epidemiology of Common Communicable Diseases of the Country	17	-	17		Introduction to Clinical Sciences/Clerkship	Basic
138	Epidemiology of Common Non-Communicable Diseases of the Country	17	-	17		Introduction to Clinical Sciences/Clerkship	Basic
139	Principles of Demography and Family Health	34	-	34		Clerkship	Specialized
140	Health Psychology	34	-	34 (2)		Introduction to Clinical Sciences/Clerkship	Basic

Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Medical Etiquette &amp; Professional Conduct</b>	<b>68</b>		<b>68 (2)</b>			
141	Professional Etiquette and Conduct 1	-	17	17		Basic Sciences	Basic
142	Professional Etiquette and Conduct 2	-	17	17		Basic Sciences	Basic
143	Professional Etiquette and Conduct 3	-	17	17		Basic Sciences	Basic
144	Professional Etiquette and Conduct 4	-	17	17		Basic Sciences	Basic



Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	English for Specific Purposes	102	-	102 (6)			
145	English for Medical Purposes 1	51	-	51		Basic Sciences	Basic
146	English for Medical Purposes 2	51	-	51		Basic Sciences	Basic

Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	General Pathology	51	-	51 (3)			
147	Principles of General Pathology and Cell Pathology	-	9	9		Basic/Introduction to Clinical Sciences	Basic
148	Pathology of Inflammation, Tissue Healing, and Hemodynamic Disorders	-	10	10		Basic/Introduction to Clinical Sciences	Basic
149	Pathology of Human Immunologic Disorders		8	8		Basic/Introduction to Clinical Sciences	Basic
150	Pathology of Neoplasia		10	10		Basic/Introduction to Clinical Sciences	Basic
151	Pathology of Genetic Disorders and Childhood Diseases		8	8		Basic/Introduction to Clinical Sciences	Basic
152	Pathology of Environmental, Nutritional, and Infectious		6	6		Basic/Introduction to Clinical Sciences	Basic
153	Practical Pathology	-	34	34 (1)		Basic/Introduction to Clinical Sciences	Basic
154	Clinical Pathology	16	2	18 (1)		Introduction to Clinical Sciences/Clerkship	Specialized



Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Specific Pathology</b>						
155	Pathology of Cardiovascular System	6	2	8		Introduction to Clinical Sciences	Specialized
156	Pathology of Respiratory System	6	2	8		Introduction to Clinical Sciences	Specialized
157	Pathology of the Kidney and Upper Urinary Tract	6	2	8		Introduction to Clinical Sciences	Specialized
158	Pathology of Gastrointestinal System	8	4	12		Introduction to Clinical Sciences	Specialized
159	Pathology of Liver and Biliary Duct	6	2	8		Introduction to Clinical Sciences	Specialized
160	Pathology of Genitals, Lower Urinary Tract and Breasts	10	4	14		Introduction to Clinical Sciences	Specialized
161	Pathology of Hematopoietic and Endocrine Systems	10	2	12		Introduction to Clinical Sciences	Specialized

Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Medical Pharmacology</b>	68		68 (4)			
164	Basic Principles of Medical Pharmacology	17	-	17		Basic/Introduction to Clinical Sciences	Basic
165	Pharmacology of Drugs for Cardiovascular and Pulmonary Diseases	10	-	10		Basic/Introduction to Clinical Sciences	Basic
166	Pharmacology of Antimicrobial Drugs	10	-	10		Basic/Introduction to Clinical Sciences	Basic
167	Pharmacology of Drugs for Gastrointestinal, Hematologic, and	10	-	10		Basic/Introduction to Clinical Sciences	Basic
168	Pharmacology of Drugs for Endocrinologic Diseases	9	-	9		Basic/Introduction to Clinical Sciences	Basic
169	Pharmacology of Neurologic and Psychiatric Diseases	12	-	12		Basic/Introduction to Clinical Sciences	Basic



Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>History Taking and Physical Examination</b>	34		34 (1)	162		
170	History Taking and Physical Examination 1	17	-	17 (1)		Introduction to Clinical Sciences	Specialized
171	History Taking and Physical Examination 1 Clerkship			51 (1)	51	Introduction to Clinical Sciences	Specialized
172	History Taking and Physical Examination 2	17	-	17 (1)		Introduction to Clinical Sciences	Specialized
173	History Taking and Physical Examination 2 Clerkship			51 (1)	51	Introduction to Clinical Sciences	Specialized



Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Introduction to Clinical Practice</b>	<b>29</b>	<b>32</b>	<b>322 (18)</b>			
174	Clinical Reasoning in Approaching Common Signs and Symptoms	8	4	8 (0.5)		Introduction to Clinical Sciences	Specialized
175	Introduction to Cardiovascular Diseases	32	4	36 (2)		Introduction to Clinical Sciences	Specialized
176	Introduction to Respiratory Diseases	32	4	36 (2)		Introduction to Clinical Sciences	Specialized
177	Introduction to Hematologic Diseases	32	4	36 (2)		Introduction to Clinical Sciences	Specialized
178	Introduction to Gastrointestinal and Liver Diseases	36	4	40 (2.1)		Introduction to Clinical Sciences	Specialized
179	Introduction to Endocrine and Metabolic Diseases	32	4	36 (2)		Introduction to Clinical Sciences	Specialized
180	Introduction to Kidney Diseases	26	4	30 (1.6)		Introduction to Clinical Sciences	Specialized
181	Introduction to Rheumatologic	26	-	30 (1.6)		Introduction to Clinical Sciences	Specialized
182	Introduction to Pediatric Diseases	17	4	17 (1)		Introduction to Clinical Sciences	Specialized
183	Introduction to Surgical Diseases	15	-	19 (1)		Introduction to Clinical Sciences	Specialized
184	Introduction to Neurologic Diseases	9	-	9 (0.5)		Introduction to Clinical Sciences	Specialized
185	Introduction to Psychiatric Diseases	8	-	8 (0.5)		Introduction to Clinical Sciences	Specialized
186	Introduction to Infectious Diseases	17	-	17 (1)		Introduction to Clinical Sciences	Specialized

Code	Course Name	Hours (Credits)				Phase (Basic or Clinical Sciences)	Type of Courses (Basic or Specialized)
		Theo.	Prac.	Total	Clerkship		
	<b>Clinical Courses</b>						
187	Traditional Medicine	34		34 (2)		Clerkship	Specialized
188	Internal Medicine Clerkship		153 (9)	153 (9)	3 months (12 weeks)	Clerkship	Specialized
190	Cardiovascular Diseases Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
192	Pediatric Diseases Clerkship		153 (9)	153 (9)	3 months (12 weeks)	Clerkship	Specialized
194	Pediatric Diseases (1)	68		68 (4)		Clerkship	Specialized



195	Pediatric Diseases (2)	17		17 (1)		Clerkship	Specialized
196	General Surgery Clerkship		102 (6)	102 (6)	2 months (8 weeks)	Clerkship	Specialized
198	Surgical Diseases	85 (5)		85 (5)		Clerkship	Specialized
199	Orthopedics Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
201	Orthopedic Diseases		51 (3)	51 (3)	2 weeks	Clerkship	Specialized
202	Urology Clerkship		25 (1.5)	25 (1.5)		Clerkship	Specialized
204	Genitourinary Diseases (Urology)	17		17 (1)	2 weeks	Clerkship	Specialized
205	Anesthesia Clerkship		25 (1.5)	25 (1.5)		Clerkship	Specialized
206	Obstetrics & Gynecology Clerkship		102 (6)	102 (6)	2 months (8 weeks)	Clerkship	Specialized
208	Obstetrics & Gynecology Diseases	68		68 (4)		Clerkship	Specialized
209	Community Medicine Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
211	Psychiatry Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
213	Psychiatric Diseases	26		25 (1.5)		Clerkship	Specialized
214	Emergency Medicine Clerkship		25 (1.5)	25 (1.5)	2 weeks	Clerkship	Specialized
216	Radiology Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
217	Infectious Diseases Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
219	Infectious Diseases	34		34 (2)		Clerkship	Specialized
220	Neurologic Diseases Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
222	Neurologic Diseases	25		25 (1.5)		Clerkship	Specialized
223	Dermatology Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
225	Ophthalmology Clerkship		25 (1.5)	25 (1.5)	2 weeks	Clerkship	Specialized
227	Ear, Nose, and Throat (ENT) Diseases Clerkship		51 (3)	51 (3)	1 months (4 weeks)	Clerkship	Specialized
229	Medical Ethics	34		34 (2)		Clerkship	Specialized
230	Forensic Medicine and Intoxications	34		34 (2)		Clerkship	Specialized
	Thesis			6 Credits			

Note: Courses labeled as "Specialized" are the clinical core courses and do not end up to any specific specialty degree.



**Table 3. Some Non-Core Courses**

No.	The Course Category	Course Name	Hours (Credits)				
			Theo.	Prac./ Workshop	Total	Clerkship	Type of the course
1	Anatomical Sciences	Surgical Anatomy	17		17 (1)		Specialized
2	Physiology	Exercise Physiology	17		17 (1)		Specialized
3	Biochemistry	Clinical Biochemistry	17		17 (1)		Specialized
4	Community Medicine	Health Management in Emergencies and Disasters	34		34 (2)		Specialized
5	Genetics	Clinical Genetics	7	10	32 (1)	15	Specialized
6	Nutrition	Nutrition in Diseases	28	12	40 (2)		Specialized
7	Immunology	Applied Immunology	34		34 (2)		Specialized
8	Pharmacology	Therapeutics for Common Diseases	34	-	34 (2)		Specialized
9	Pharmacology	Prescription and Reasonable Administration of Medications		34	34 (1)		Specialized
10	Clinical Departments	Principles of Medical Physics and Rehabilitation	14	10	(1.5)	20	Specialized
11	Clinical Departments	Patient Safety	34		34 (2)		Specialized

Note: Courses labeled as 'Specialized' are the clinical non-core courses and do not end up to any specific specialty degree

\*The maximum number of selected credits for each student during the course will be 4.

\*\* Departments at different universities can develop selected courses for students during the program according to their requirements and their students' needs. The arrangement as well as the theoretical and practical/workshop hours are the responsibility of lesson planning committees of medical schools depending on the subject, objectives, and content of the course.

The courses in Table 3 are examples of elective courses, and universities can add other courses to the list according to their needs and the discretion of lesson planning committee of medical schools, in which case obtaining the approval of the Secretariat of the General Medical Education Council of the Ministry is required.