

**Table 1. General Courses**

Code of the course	Title of the course	Number of Credits			Teaching Hours			Prerequisite or concurrent
		Theoretical	Practical	Total	Theoretical	Practical	Total	
01	Islamic Basic	4	-	4	68	-	68	-
	Theoretical Lessons							
02	Islamic Ethics	2	-	2	34	-	34	-
03	Islamic Revolution	2	-	2	34	-	34	-
04	Islamic History and Civilization	2	-	2	34	-	34	-
05	Familiarization with Islamic Texts	2	-	2	34	-	34	-
06	Persian Literature	3	-	3	51	-	51	-
07	General English	3	-	3	51	-	51	-
08	Physical Education (1)	-	1	1	-	34	34	-
09	Physical Education (2)	-	1	1	-	34	34	-
10	Population and Family Planning	2	-	2	34	-	34	-
<b>Total</b>				22				

**Table 2. Basic and Specialized Courses**

Code of the Course	Title of the Course	Number of Credits	Teaching Hours			Prerequisite or concurrent
			Theoretical	Practical	Total	
11	Computer and IT	2	17	34	51	-
12	Mathematics	2	34	-	34	-
13	Physiology	3	34	34	68	-
14	Ethical and Legal Considerations	2	34	-	34	-
15	Radiation Physics	3	51	-	51	-
16	Radiotherapy Equipment	3	34	34	68	15
17	Histology	4	34	68	102	-
18	General Hygiene in the Radiotherapy Ward	1	17	-	17	-
19	Protection	2	34	-	34	15
20	Radiobiology	2	34	-	34	15
21	Nuclear Medicine	3	34	34	68	-
22	Principles of Measurement and Treatment Plans in Radiotherapy	3	34	34	68	-
23	Medical Terminology	2	34	-	34	-
24	Anatomy of Body Systems	3	34	34	68	-
25	General Pathology	2	34	-	34	-
26	Dosimetry	2	17	34	51	15
27	Fundamentals of Oncology	2	34	-	34	15
28	Research Methods	2	34	-	34	-

29	Safety and Health	1	17	-	17	-
30	Pathology of Malignant diseases	2	34	-	34	26
31	Surface and Deep Topography	2	17	34	51	24
32	Radiology for Radiotherapy	1	17	-	17	20
33	Medical Imaging Techniques	3	34	34	68	-
34	Special Radiotherapy Techniques	2	34	-	34	-
35	Clinical Dosimetry	2	17	34	51	26
36	Treatment Plan for New Radiotherapy Techniques	2	17	34	51	22
37	Simulation and Localization	3	34	34	68	35
38	Physics in Brachytherapy	3	34	34	68	22
39	Evaluation of Imaging Clichés	2	34	-	34	34
40	Non-radiotherapy Treatment Alternatives	2	34	-	34	27
41	Clinical Applications of Radiotherapy (1)	2	34	-	34	27
42	Clinical Applications of Radiotherapy (2)	2	34	-	34	41
43	Oncology in Children	1	17	-	17	41
44	Brachytherapy Techniques	1	17	-	17	41
45	Treatment Trend and Essential Care in Cancer Patients	2	34	-	34	27
46	Modeling (Molding and Fixator Construction)	2	34	-	34	-
47	Psychology of Cancer Patients	2	17	34	51	-

<b>48</b>	Specialized English	2	34	-	34	07
<b>49</b>	Quality Control	2	34	-	34	-
<b>Total</b>		84				

**Table 3. Apprentice Courses**

Code of the Course	Title of the Course	Number of Credits			Teaching Hours		
		Theoretical	Practical	Total	Theoretical	Practical	Total
<b>50</b>	Apprenticeship (1)	-	12	12	-	612	612
<b>51</b>	Apprenticeship (2)	-	12	12	-	612	612
<b>Total</b>			24	24			