

**Table A. Core Courses: Ph.D. in Medical Physics**

No.	Course Title	Number of Credits	Number of Hours (Theoretical-Practical)	Total	
1	Radiobiology	2	34	34	-
2	Principles of Physics and Electronics for Medical Instruments	2	34	34	-
3	Principles of Working with Medical Instruments	3	51	51	-
4	Physic Principles of Ultrasound Radiations and Instruments	2	34	34	-
5	Application of Generating Sources of Radiation and Radioactive Material in Diagnosis and Treatment	3	51	51	-
6	Dosimetry and Protection Against Ionizing and Non-ionizing Radiations	3	51	51	-
7	Laser and its Application in Medicine	1	17	17	Only Theoretical
	<b>Total</b>		16		

**Table B. Non-Core Courses: Ph.D. in Medical Physics**

<b>No.</b>	<b>Course Title</b>	<b>Number of Credits</b>	<b>Number of Hours (Theoretical-Practical)</b>	<b>Total</b>	
<b>1</b>	Medical Imaging	<b>3</b>	<b>51</b>	<b>51</b>	-
<b>2</b>	Advanced Issues in Optical Spectrum and Medical Audiometry	<b>2</b>	<b>34</b>	<b>34</b>	-
<b>3</b>	Cellular and Molecular Biologic Principles	<b>2</b>	<b>34</b>	<b>34</b>	-
<b>4</b>	Theoretical Biology	<b>2</b>	<b>34</b>	<b>34</b>	<b>Only Theoretical</b>
<b>5</b>	Bioelectricity	<b>2</b>	<b>34</b>	<b>34</b>	-
<b>6</b>	Principles of Biomechanics	<b>2</b>	<b>34</b>	<b>34</b>	-
<b>7</b>	Electromagnetic Fields and their Application in Medicine	<b>2</b>	<b>34</b>	<b>34</b>	-
	<b>Total</b>		<b>15</b>		