

COURSE DESCRIPTOR

№	Topic	Total, hours	Lectures, hours	Workshops (seminars) , hours	Labs, hours	Self-study of the material, hours	Individual tasks, hours
full-time course form of study							
1	Common question of nuclear physics and hygienic aspects of radiation medicine.	12	0	2	0	10	0
2	Biological effects of ionizing radiation.	12	0	2	0	10	0
3	Types of radiation damage. Acute and chronic radiation sickness. Acute local radiation damage.	16	0	6	0	10	0
4	Effect of ionizing radiation on the embryo and fetus. Genetic lesions. The effect of small doses of radiation on the body. Long-term effects after irradiation.	14	0	4	0	10	0
5	Methods of radiation therapy.	18	0	8	0	10	0
6	Palliative radiation therapy.	12	0	2	0	10	0
7	Intensive care in radiation therapy and oncology.	12	0	2	0	10	0
8	Radiobiology. Practical application of radioisotope methods in the diagnosis of various pathological nosologies.	12	0	2	0	10	0
9	Equipment and operation of special medical institutions to provide assistance to persons exposed to ionizing radiation.	12	0	2	0	10	0
10	Large radiation accidents and their consequences.	12	0	2	0	10	0
11	Final modular control.	18	0	4	0	14	0
<i>Total (full-time course form of study)</i>		<i>150</i>	<i>0</i>	<i>36</i>	<i>0</i>	<i>114</i>	<i>0</i>