

**THEMATIC PLAN
OF LECTURES AND LABORATORY CLASSES ON RADIATION AND
ECOLOGICAL MEDICINE WITH STUDENTS ON SPECIALITY
7-07-0911-03 «DENTISTRY»**

Section, topic #	Section (topic) name	Number of hours	
		lectures	practical
	LECTURES	12	-
1.1.	Fundamentals of environmental medicine	1,5	-
1.2.	Environmental and medical consequences biosphere pollution	1,5	-
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1.3.	Monitoring the environment and public health	1,5	-
2.1.	Effects of ionizing radiation	1,5	-
2.2.	Public exposure of humans	1,5	-
2.3.	Biomedical consequences of irradiation	1,5	-
2.4.	Radiation safety.	1,5	-
2.5.	Reduction in radiation burden on population		
	Practical classes	-	18
1.1.	Fundamentals of environmental medicine. Environmental factors. Pract.w.: «Assessment of the risk of seasonal emotional disease» «Evaluation of the type of skin sensitivity to UV radiation. Assessment of risk for skin malignancy»	-	2
1.2.	Environmental and medical consequences of biosphere pollution: consequences of air pollution, consequences of hydrosphere pollution. Pract.w.: «Assessment of ozone level in ambient air»	-	2
1.2.	Environmental and medical consequences of biosphere pollution. Effect of the state of the lithosphere and the quality of food on population health. Pract.w.: «Food composition assessment»	-	2
1.3.	Monitoring of the environment and the health status of the population. Pract.w.: «Assessment of the environmental cancer risk»	-	2
2.1.	Effects of ionizing radiation. Physical basis of the action of ionizing radiation. Methods of ionizing radiation registration. Introduction to dosimetry Pract.w.: «Calculation of the percentage of radionuclides after an accidental release»	-	2
2.2.	Public exposure of humans. Background radiation levels. Natural background radiation. Chernobyl accident. Pract.w.: «Evaluation of the ambient dose equivalent rate of roentgen and gamma radiation by the MKC-6130A dosimeter- radiometer»	-	2