**Academic discipline:**
**"Radiobiology and radiation medicine"**

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|---|---|
| **Code and name of specialty** | 1-80 02 01 Biomedical science |
| **Training course** | 3 |
| **Semester of training** | 5 |
| **Number of class hours:** | 70 |
| **Lectures** | 40 |
| **Seminar classes** | |
| **Practical classes** | 30 |
| **Laboratory classes** | - |
| **Form of current assessment (credit/differential credit/exam)** | Exam |
| **Number of credits** | 3 |
| **Competencies to be formed** | To be able to analyze and assess the level of impact on human populations, their genome of extreme and harmful environmental factors and develop measures to optimize this impact; to be able to analyze and assess the environmental purity of agricultural products and develop measures to optimize negative impacts; to have the ability and willingness to use methods of assessing natural and media-social environmental factors in the development of diseases of the population and to carry out their correction |

**Summary of the content of the academic discipline:**

Theoretical issues that are considered in the process of studying the academic discipline "Radiobiology and radiation medicine" allow students to master the basics of fundamental knowledge and practical skills in the field of radiobiology and radiation medicine. Modern radiobiology, which is an independent, complex, fundamental science, was created to solve specific radiobiological problems. The correct understanding of the problems of modern radiobiology determines the path of its development and its place in the system of natural sciences.