

**Federal State Budgetary Educational Institution of Higher Education "North Ossetian  
State Medical Academy"**  
**Ministry of Health of the Russian Federation**  
Department of Radiation Diagnostics with Radiation Therapy and Oncology

**APPROVE**  
Department head  
M.D. \_\_\_\_\_ A.V. Khasigov  
« » \_\_\_\_\_ **2023**

**Thematic plan of practical classes**

*Discipline* Radiation Diagnostics

*Year* 3

*Faculty of* Dentistry

For the autumn semester 2023-2024 academic year

| Topic number | Topic name 36 hours  | Lesson duration             |
|--------------|--|-----------------------------|
| 1.           | Physical basics of beam diagnostics. Physical basics of radiology.                   | <b>2 hours / 5 points</b>   |
| 2.           | Diagnosis of the pathology of the skull, spine.<br>Spinal cord and brain.            | <b>2 hours / 10 points</b>  |
| 3.           | Radiation diagnosis of respiratory diseases. (1 lesson)                              | <b>2 hours / 10 points</b>  |
| 4.           | Radiation diagnosis of respiratory diseases. ( 2 lesson)                             | <b>2 hours / 10 points</b>  |
| 5.           | The cardiovascular system. Features of the beam image of the heart and large vessels | <b>2 hours / 10 points</b>  |
| 6.           | Musculoskeletal system.  | <b>2 hours / 10 points</b>  |
| 7            | Independent work.  | <b>2 hours / 10 points</b>  |
| 8            | Diseases of the gastrointestinal tract.<br>Features of the digestive system.         | <b>2 hours / 10 points</b>  |
| 9            | Radiation diagnosis of diseases of the liver and biliary tract.                      | <b>2 hours / 10 points</b>  |
| 10           | Radiation diagnostics urinary system   | <b>2 hours / 10 points</b>  |
| 11           | Radiation diagnostics of the reproductive system of women.                           | <b>2 hours / 10 points</b>  |
| 12           | Radiation diagnostics of the mammary gland.  | <b>2 hours / 10 points</b>  |
| 13           | Independent work.  | <b>2 hours / 10 points</b>  |
| 14           | Module 1.  | <b>2 hours / 10 points</b>  |
| 15           | Methods of X-ray examination of the maxillofacial area.<br>Congenital malformations  | <b>2 hours / 10 points</b>  |
| 16           | Radiation diagnostics of dental diseases. and traumatic injuries.                    | <b>2 hours / 10 points</b>  |
| 17           | Radiation diagnostics of benign and malignant formations of the maxillofacial area   | <b>2 hours / 10 points</b>  |
| 18           | Module 2.  | <b>2 hours / 10 points</b>  |
|              |  | <b>36 hous / 175 points</b> |