COURSE DESCRIPTOR

No	Торіс	Total, hours	Lectures, hours	Workshops (seminars) , hours	Labs, hours	Self-study of the material, hours	Individual tasks, hours
full-t	ime course form of study						
Modu	lle 1. Radiation therapy. General issues of diagnostic radiology.						
1	The main properties of ionizing radiation and its biological action. Radioactivity and dose. Dosimetry.	3	0	2	0	1	0
2	Principles and methods of radiation therapy.	4	0	2	0	2	0
3	Physical and technical bases of X-ray diagnostic.	6	2	2	0	2	0
4	Physical and technical bases of radionuclide diagnostic.	4	0	2	0	2	0
5	Physical and technical bases of magnetic resonance imaging (MRI).	4	0	2	0	2	0
6	Ultrasound diagnostic methods.	3	0	2	0	1	0
7	Fundamentals of radiological, radionuclide CT and ultrasound and MRI semiotics of pathology of various organs and systems.	2	0	2	0	0	0
8	Radiological diagnostic methods and radiological anatomy of the thoracic cavity.	6	2	2	0	2	0
9	Bases of radiological semiotics of pathology of the respiratory and cardiovascular systems.	4	0	2	0	2	0
10	Radiological diagnostic methods and radiological anatomy of abdominal organs.	6	2	2	0	2	0
11	Radiological signs of emergencies.	2	0	2	0	0	0
12	Radiological study of the urinary system. radiological radiation anatomy and physiology of the genitourinary system.	3	0	2	0	1	0
13	Radiological study of the musculoskeletal system. Age features of the musculoskeletal system.	5	2	2	0	1	0
Modu	lle 2. Radiological diagnostic of diseases of separate organs and systems.					•	
1	Radiological diagnosis of congenital malformations and non-inflammatory diseases of the respiratory system (occupational diseases, cancer).	6	2	2	0	2	0
2	Radiological diagnosis of non-specific and specific inflammatory diseases of the respiratory system.	4	0	2	0	2	0

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3	Radiological signs of diseases of the cardiovascular system. Radiological diagnostic of congenital and acquired heart defects. X-ray picture depending on hemodynamic changes.	3	0	2	0	1	0
4	Radiological signs of some diseases of the kidneys and urinary tract.	4	0	2	0	2	0
5	Radiological examination of the breast and thyroid gland. Radiological signs of breast and thyroid diseases.	3	0	2	0	1	0
6	Radiological signs of diseases of the gastrointestinal tract.	2	0	2	0	0	0
7	Radiological signs of liver and biliary tract diseases.	3	0	2	0	1	0
8	Radiological diagnosis of inflammatory diseases and oncological diseases of the musculoskeletal system.	3	0	2	0	1	0
9	Radiological diagnostic of traumatic diseases and congenital malformations of the musculoskeletal system.	3	0	2	0	1	0
10	Radiological methods of central nervous system (CNS) diagnostic. Radiological signs of diseases and injuries of the CNS.	3	0	2	0	1	0
11	Differential diagnosis of diseases. Control of practical skills.	2	0	2	0	0	0
12	Control module	2	0	2	0	0	0
Total (full-time course form of study)		90	10	50	0	30	0