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**MEDICAL UNIVERSITY - PLEVEN
MEDICAL COLLEGE**

UPDATED CURRICULUM

Specialty: "RADIOLOGY TECHNICIAN"

Mode of training
FULL-TIME

Educational qualification degree
PROFESSIONAL BACHELOR

Duration of training
Three years

Professional qualification
RADIOLOGY TECHNICIAN

Credits
180

Professional field
HEALTH CARE

Updated by the Academic Council on 27.06.2016

RECTOR:
/Prof. Dr. Sl. Tomov, Doctor of Medical Science/

In force as from the academic year 2016/2017
Alumni of 2016-2019



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CONTENT OF TRAINING PROCESS - Student workload, modes of control and credit characteristics

1	ACADEMIC DISCIPLINES	USR*	Credits	Hour number of lecture hall workload Academic hour			Hour number of out-of-lecture hall workload	Semester, in which it is studied	Final control	
				Total hours	Theory	Exercises / Seminars			Preliminary oral examination	Examination
2		3	4	5	6	7	8	9	10	11
A.	Compulsory disciplines									
I.	Theoretical training									
1.	Processing of the images in imaging diagnostics	90	4	90	30	60	30	1		1
2.	Radiological physics	60	3,5	60	60	0	45	1,2		2
3.	X-ray equipment. Other imaging diagnostics equipment	90	5	90	30	60	60	1,2		2
4.	Fundamentals of imaging diagnostics. Radiographic methods.	420	21,5	420	140	280	225	1,2,3,4,5		
4.1.	Fundamentals of imaging diagnostics. Radiographic methods - Module I		7	135	40	95	75	1, 2		2
4.2.	Fundamentals of imaging diagnostics. Radiographic methods - Module II		5	105	30	75	45	3		3
4.3.	Fundamentals of imaging diagnostics. Radiographic methods - Module III		5	105	35	70	45	4		4
4.4.	Fundamentals of imaging diagnostics. Radiographic methods - Module IV		4,5	75	35	40	60	5		5
5.	Clinical imaging diagnostics	120	6,5	120	60	60	75	2,3,4		
5.1.	Clinical imaging diagnostics – Module I		4	75	38	37	45	2,3		3
5.2.	Clinical imaging diagnostics – Module II		2,5	45	22	23	30	4		4
6.	Radiobiology. Radiation protection	60	4	60	60	0	60	2,3		
6.1.	Radiobiology		2	30	30	0	30	2		2
6.2.	Radiation protection		2	30	30	0	30	3		3



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7.	Imaging anatomy	60	4	60	20	40	60	2,3		3
8.	Nuclear medicine	120	8	120	60	60	120	3,4		4
9.	Radiotherapy	45	4	60	40	20	30	4		4
10.	Quality assurance in imaging diagnostics	30	2,5	30	15	15	45	5		5
11.	Anatomy, physiology and pathological physiology	90	6,5	120	90	30	75	1,2		
11.1	Anatomy		3,5	75	45	30	30	1		1
11.2	Physiology and pathological physiology		3	45	45	0	45	2		2
12.	Pharmacology	30	2	30	30	0	30	4		4
13.	Hygiene and ecology	30	2	30	20	10	30	1		1
14.	Latin language with medical terminology	30	2	30	30	0	30	1		1
15.	General care of the sick	30	2	30	10	20	30	1		1
16.	Internal diseases	45	3	45	40	5	45	2		2
17.	Surgery	30	2	30	24	6	30	3		3
18.	Orthopaedics and traumatology	45	3	45	30	15	45	3		3
19.	Premedical care	30	2,5	30	22	8	45	5		5
20.	Children's diseases	30	2,5	30	24	6	45	5		5
21.	Disaster medicine	30	2,5	30	24	6	45	5		5
22.	Medical psychology	30	2	30	24	6	30	1		1
23.	Medical ethics and deontology	30	2	30	30	0	30	2		2
24.	Medical sociology	15	1	15	9	6	15	5		5
25.	Social medicine and health promotion	45	2,5	45	45	0	30	4		4
26.	Social and health legislation	30	2,5	30	30	0	45	5		5
27.	Informatics	30	2	30	15	15	30	1		1
28.	Physical education and sports	-	4	120	0	120	0	1,2,3,4		4
II.	Practical /clinical/ training									
1.	Training clinical practice	1095	38	1130	0	1130	0	1,2,3,4,5	1,2,3,4,5	
2.	Pre-diploma clinical practice (internship)	600 astr. hours	20	600 astr. hours	0	600 astr. hours	0	6	6	



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B.	Elective disciplines									
1.	Regulatory framework for the work with sources of ionizing radiation	-	1	15	15	0	15	3		3
2.	Radioecology	-	1	15	15	0	15	3		3
3.	Centering technique in dental practice	-	1	15	5	10	15	4		4
4.	Radiographic technique in conditions of emergency	-	1	15	5	10	15	4		4
5.	Imaging diagnostics with non-ionizing rays	-	1	15	5	10	15	5		5
6.	Palliative clinical approach in radiation therapy of the sick	-	1	15	5	10	15	5		5
C.	Facultative disciplines									
1.	Foreign language – specialized medical terminology	-	2	30	0	30	30	1		1
2.	Communication skills	-	1	15	15	0	15	2		2
3.	Methodology of research work	-	1	15	15	0	15	5		5
D.	Modes of graduation – State examinations									
	1. Methods and techniques of imaging diagnostics – practical and theoretical		4							
	2. Nuclear medicine and radiotherapy		3				300			6
	3. Radiobiology and radiation protection		3							
E.	OUT-OF-LECTURE HALL WORKLOAD						1785			
	/consultations, preparing and sitting for examinations, elaboration and presentation of course work, preparation of topics, individual work, etc./									

* USR = Unified State Requirements

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BREAKDOWN OF THE COMPULSORY PRACTICAL TRAINING

Unit for practical training	Academic hours	I semester	II semester	III semester	IV semester	V semester	VI semester Astronom.hour
Ward of imaging diagnostics	976 TP** 280 PDP***	140	168	240	208	220	280/7 weeks 10 credits
Computer tomograph	44 TP 80 PDP	-	-	-	-	44	80/2 weeks 2,5 credits
Magnetic resonance tomograph	22 TP 80 PDP	-	-	-	-	22	80/2 weeks 2,5 credits
Ultrasound consulting room	12 TP	-	12	-	-	-	
Radioisotope laboratory	32 TP 40 PDP	-	-	-	32	-	40/1 week 1,5 credits
Ward of radiotherapy	44 TP 40 PDP	-	-	-	-	44	40/1 week 1,5 credits
Optional practice (internship)	80 PDP	-	-	-	-	-	80/2 weeks 2 credits
Total clinical practice	1130 TP /academic hours/ 600 PDP /astro- nomical hours/	140 TCP****	180 TCP	240 TCP	240 TCP	330 TCP	600 PDP 15 training weeks 20 credits

** TP = Training practice

*** PDP = Pre-diploma practice (Internship)

**** TCP = Training clinical practice