

STUDY PROGRAMME CURRICULUM RADIOLOGIC TECHNOLOGY

Name of study programme	Radiologic technology
Programme characteristics	
Type	master's
Cycle	master
University of Ljubljana members	• Faculty of Health Sciences, Zdravstvena pot 5, 1000 Ljubljana, Slovenija

Year 1, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0020878	E – Health and Information and Communication Technology	Miha Mraz	20		20			85	125	5	1st semester	no
2.	0020877	Adult education in health	Andreja Kvas	20	20				85	125	5	1st semester	no
3.	0020876	Analytical Statistics	Janez Žibert	30	15	15			65	125	5	1st semester	no
4.	0020882	Approaches to Healthcare Research	Matic Kavčič	30	30				65	125	5	1st semester	no
5.	0020881	Quantitative Methods of Data Collection and Analysis	Valentina Hlebec	30	30				65	125	5	1st semester	no
6.	0041516	Elective						125		125	5	1st semester	yes
7.	0020879	Physical and Biological Relations of Radiologic Technologies	Dejan Žontar, Gregor Serša	72	30				148	250	10	2nd semester	no

8.	0020883	Theory of Radiological Signal Processing	Janez Žibert	30		20			75	125	5	2nd semester	no
9.	0041487	Radiation Protection Rules and Regulations	Damijan Škrk	40	10				75	125	5	2nd semester	no
10.	0020884	Quality and Optimization of Radiologic Procedures	Damijan Škrk	50	10				65	125	5	2nd semester	no
11.	0041515	Elective							125	125	5	2nd semester	yes
Total				322	145	55	0		250	728	1500	60	

Year 2, compulsory

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0041531	Elective module						750		750	30	1st semester	yes
2.	0041515	Elective						125		125	5	2nd semester	yes
3.	0020891	Master thesis						60	565	625	25	2nd semester	no
Total				0	0	0	0	935	565	1500	60		

Year 2, Elective module: Methods in diagnostic and intervention radiological technology

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0041491	Central Nervous System	Katarina Šurlan Popovič	6		10			59	75	3	1st semester	yes
2.	0041492	Thoracic Organs	Peter Popovič	6		10			59	75	3	1st semester	yes
3.	0041493	Cardiovascular System	Vladka Salapura	6		10			59	75	3	1st semester	yes

4.	0041494	Abdominal Organs	Peter Popović	6		10			59	75	3	1st semester	yes
5.	0041495	Musculoskeletal System	Vladka Salapura	6		10			59	75	3	1st semester	yes
6.	0041496	Breasts	Katarina Šurlan Popović	6		10			59	75	3	1st semester	yes
7.	0041497	Quality Assurance and Quality Control in Diagnostic and Interventional Radiology	Dejan Žontar	20		30			100	150	6	1st semester	yes
8.	0020880	Clinical Practice in Diagnostic and Interventional Radiology	Katarina Šurlan Popović					108	42	150	6	1st semester	yes
Total				56	0	90	0	108	496	750	30		

Year 2, Elective module: Nuclear medicine technology and instrumentation

				Contact hours									
University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective	
1.	0041498	Nuclear Medicine Technology and Instrumentation	Marko Grmek	15		10		100	125	5	1st semester	yes	
2.	0041499	Radiopharmacy and Radiochemistry	Sergej Hojker	6		10		59	75	3	1st semester	yes	
3.	0041500	Nuclear Medicine Investigation Methods	Marko Grmek	20		10		145	175	7	1st semester	yes	
4.	0041501	Nuclear Medicine Oncology	Ivana Žagar	6		10		59	75	3	1st semester	yes	
5.	0041502	Quality Assurance and Quality Control in Nuclear Medicine Technology	Dejan Žontar	20		30		100	150	6	1st semester	yes	

6.	0041503	Clinical Practice in Nuclear Medicine Technology	Sergej Hojker						108	42	150	6	1st semester	yes
Total				67	0	70	0		108	505	750	30		

Year 2, Elective module: Radiotherapeutic technology

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0041504	Management of Radiotherapeutic Department	Irena Oblak	6		10			59	75	3	1st semester	yes
2.	0041505	Use of Dosimeter in Radiotherapy	Dejan Žontar	6		10			59	75	3	1st semester	yes
3.	0041506	Radiotherapeutic Treatment Planning and Preparation	Vaneja Velenik	6		4	6		59	75	3	1st semester	yes
4.	0041507	Special Radiotherapeutic Techniques	Primož Peterlin	20		10			120	150	6	1st semester	yes
5.	0041508	Pulse Brachyradiotherapy, High-dose-rate Brachyradiotherapy	Barbara Šegedin	6			10		59	75	3	1st semester	yes
6.	0041509	Quality Assurance and Quality Control in Radiotherapeutic Technology	Dejan Žontar	20		30			100	150	6	1st semester	yes
7.	0041510	Clinical Practice in Radiotherapeutic Technology	Irena Oblak					108	42	150	6	1st semester	yes
Total				64	0	64	16	108	498	750	30		

Year 2, Elective module: Echocardiography

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					

1.	0149149	Physical properties of ultrasound in practice	Miha Fošnarič	8		10			57	75	3	1st semester	yes
2.	0158149	Echocardiography	Mirta Koželj	50		30			170	250	10	1st semester	yes
3.	0158150	Echocardiography - clinical practice	Mirta Koželj	5		25		350	45	425	17	1st semester	yes
Total				63	0	65	0	350	272	750	30		

Electives

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0020872	Research Management	Andrej Starc	20	20				85	125	5		yes
2.	0041511	Management of Systems and Processes	Andrej Starc	20	20				85	125	5		yes
3.	0041513	Inter - professional Cooperation in a Health Team	Matic Kavčič	20	20				85	125	5		yes
4.	0041512	Bioelectromagnetism	Klemen Bohinc	30		10			85	125	5		yes
5.	0020874	Topographic and Cross-sectional Anatomy	Raja Gošnak Dahmane	20	20				85	125	5		yes
6.	0041514	Biochemical bases of physiological effects of contrast agents	Irina Milisav Ribarič	20	20				85	125	5		yes
7.	0149152	Optimization of protocols in general radiography	Nejc Mekiš	10	20	10			85	125	5		yes
8.	0149319	Special features of research in radiography	Nejc Mekiš	10	30				85	125	5		yes
Total				150	150	20	0	0	680	1000	40		