

Curriculum Radiological Technology

Semester 1			
Course Title	Course Type	SH/W	ECTS-Credits
AMG	Module Code		
General Anatomy and Physiology*	LE	2	3
General Pathology*	LE	1	1,5
Hygiene*	LSP	1	1
Hygiene	UE	0,5	0,5
SMG	Module Code		
Specific Radioanatomy and Radiophysiology	LE	1	1,5
Radiobiology	LSP	1	1
Contrast Media	LSP	2	2
Pharmacology	LSP	1	1
SPS	Module Code		
Radiophysics	LE	2	3
Radiation Protection I	LSP	2	2
RAD 1	Module Code		
Radiological Image Processing 1	LSP	1	1
Radiographic Techniques and Image Analysis 1	LSP	3	3
Instrument Engineering in Diagnostic Radiology	LSP	2	2
KUK	Module Code		
Learning and Working in Professional Fields (of Radiology)	LSP	1	1
Client- and Patient-centered Communication	LSP	1	1
Ethics, Health and Psychology*	LSP	1	1
GGB	Module Code		
Extended first aid for health professions*	LSP	0,5	0,5
Legal Bases for Health Professions*	LE	1	1,5
Professional Profiles, Interdisciplinary Cooperation in Health System*	LSP	0,5	0,5
Professional Profile	LSP	0,5	0,5
BPR	Module Code		
Introductory Placement	PP		1,5
Total:		25	30

Semester 2			
Course Title	Course Type	SH/W	ECTS-Credits
SMG	Module Code		
Specific Radioanatomy and Radiophysiology	LSP	2	2
Specific Pathology	LSP	1,5	1,5
SPS	Module Code		
Radiation Protection II (Diagnostic Application)	LSP	1	1
RAD 2	Module Code		
Radiological Image Processing 2	LSP	1	1
Radiographic Techniques and Image Analysis 2	LSP	4	4
Angiographical Techniques and Interventional Process	LSP	2	2

Clinical Application - Conventional Diagnostic, Angiography	KUE	2	2
SBV 1			
Basics of Ultrasound Diagnostics	LSP	1	1
Clinical Application Ultrasound	UE	0,5	0,5
Instrument Engineering in Cross Sectional Techniques	LSP	2,5	2,5
Clinical Application in Cross-Sectional Techniques - Computed Tomography	LSP	1,5	1,5
Basics of Magnetic Resonance Tomography	LSP	1,5	1,5
GWA 1	Module Code		
Introduction Scientific Skills 1*	LSP	1	1
Introduction Scientific Skills 1	UE	1	1
Medical English and reading scientific papers	LSP	1	1
BPR	Module Code		
Professional Placement - Conventional Diagnostic and Angiography	PP		6,5
Total:		23,5	30

Semester 3			
Course Title	Course Type	SH/W	ECTS-Credits
STS	Module Code		
Radiation Protection II (Diagnostic Application)	LSP	1	1,5
NUC	Module Code		
Nuclear Medicine I	LE	2	3
Equipment Technology Nuclear Medicine I	LSP	1,5	1,5
Instrument Engineering in Nuclear Medicine	LE	1	1,5
SBV 2	Module Code		
Applied Methods of Radiological Image Editing - CT	LSP	1,5	1,5
Clinical Application - Computed Tomography	LSP	1,5	1,5
Clinical Application - Magnetic Resonance Tomography	LSP	3	3
Clinical Application - CT/MRI	KUE	3	3
STH	Module Code		
Instrument Engineering in Radiotherapy	LSP	1	1,5
Radiooncology I	LE	2	3
Physical Foundations of Radiation Treatment Planning	LSP	1	1
Clinical Application Radiotherapy I	KUE	1	1
RIK	Module Code		
Methodenvertiefung von Organisations- und Informationssystemen	LSP	1,5	1,5
BPR	Module Code		
Methods for Additional Information in Organisation- and Informationssystemen	PP		5
Total:		21	30

Key:

ECTS Credits: European-Credit-Transfer- and Accumulation System | LE: Lecture | LSP: Lecture with Skills Practice | Module Code: For the purpose of comparability with the original German version, the abbreviations have not been changed into English. | PP: Professional/Clinical Placement | SE: Seminar | SH/W: Semester hours per week over 17 weeks in a semester | SP: Skills Practice

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Semester 4			
Course Title	Course Type	SH/W	ECTS-Credits
STS	Module Code		
Radiation Protection IV (Radiotherapy)	LSP	1	1,5
RIK	Module Code		
Methods for Additional Information in Radiological Image Editing	LSP	1,5	1,5
SBV 3	Module Code		
Applied Equipment Technology in Cross-Sectional Techniques - computed tomography	UE	1	1
Applied Equipment Technology in Cross-Sectional Techniques - Magnetic Resonance Tomography	UE	1	1
Reflection on advanced cross-sectional anatomy and image analyses	UE	1	1
NUC	Module Code		
Nuclear Medicine II	LE	2	3
Equipment Technology Nuclear Medicine II	LSP	1	1
Radiopharmazeutic	LSP	1,5	1,5
Clinical Applications - Nuclear Medicine	KUE	0,5	0,5
STH	Module Code		
Radiooncology II	LE	1	1,5
Radiation Treatment Planning and Implementation of Radiotherapy	LSP	2	2
Radiation Treatment Planning and Applications	UE	1,5	1,5
Clinical Application - Radiotherapy II	KUE	0,5	0,5
GWA 2	Module Code		
Applied Scientific Work*	LSP	1	1
Applied Scientific Work	UE	1	1
Bachelor Seminar 1	SEM	0,5	4
BPR	Module Code		
Professional Placement - Nuclear Medicine, Radiotherapy	PP		6
Reflection on Practical Experience	UE		0,5
Total:		18,5	30

Semester 5			
Course Title	Course Type	SH/W	ECTS-Credits
BPR	Module Code		
Professional Placement	PP		27
FAB	Module Code		
Elective Lecture	FAB	2	3
Total:		2	30

Semester 6				
Course Title	Course Type	SH/W	ECTS-Credits	
MIG	Module Code			
Quality Management*	LSP	1	1	
Quality Management	UE	0,5	0,5	
Health System and Health Economy*	LE	1	1,5	
GWA 3	Module Code			
Bachelor Seminar 2	SEM	0,5	9	
AFO	Module Code			
Current applied Research in CT, MRI, Nuclear Medicine, Radiooncology, Angiography and Intervention	SEM	1,5	3	
Current clinically applied research in CT, MRI, Nuclear Medicine, Radiooncology, Angiography and Intervention	SEM	1,5	3	
SEK**	SOK**	Module Code		
Teaching and Learning Process Reflection	Teaching and Learning Process Reflection	UE	1	1
Personal-Management 1*	Conflict Management*	LSP	1	1
Personal-Management 2*	Personal-Management 2*	LSP	1	1
WPR	Module Code			
Elective Internship	PP		8,5	
Reflection on Practical Experience	UE		0,5	
Total:			9,5	30
Total of all semesters			99,5	180

Those courses that are marked with are to promote campus spirit and are offered in the sense of an interdisciplinary training philosophy throughout all courses.

**Elective Module

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