

Curriculum.

ECTS	
1. SEMESTER	30
Applied Mathematics and Statistics	6
Conventional Radiotherapy Technology and Devices	2
Functional Imaging Technology and Devices	4
IT Fundamentals	4
New Media Communication	1
Physiology and Pathology for Funktional Imaging 1	3
Radiation and Nuclear Physics	3
Radiation Biology	1
Radioation Protection Basics	1
Radiation Protection for X-Ray Devices	1
Radioactive Pharmaceutics	3
Self Management	1
2. SEMESTER	30
Accelerator Technology	2
Biosignal Processing	2
Dosimetry 1	2
Functional Imaging Technology and Devices 2	4
Image Processing Algorithms 1	4
Image Processing and Visualization 1	1
Indications for Funktional Imaging Medical IT	2
Physiology and Pathology for Funktional Imaging 2	3
Radiation Protection for Radiotherapy	1
Radiation Protection in Nuclear Medicine Scientific and Clinical Studies	2
Treatment Planning Techniques for Conventional Radiotherapy	4

ECTS	
3. SEMESTER	30
Dosimetry 2	3
Electronic Patient Record	2
Image Processing Algorithms 2	2
Image Processing and Visualization 2	2
Indications for Ion Radiotherapy	2
Leadership and Knowledge Management	2
Marketing and Sales	2
Positioning and Verification	3
Practical Training Ion Radiotherapy	3
Process Engineering	2
Radiation Protection Laws and Standards	1
Specific Practices of Funktional Imaging	2
Treatment Planning Techniques for Ion Radiotherapy	4
4. SEMESTER	30
Master Thesis	28
Master Turtorial	2

