

ICTP and Trieste University Master of Advanced Studies in Medical Physics
Courses and Faculty
Eighth cycle 2021-2022

Course	ECTS	Hours	Faculty	Institution
Anatomy and Physiology as applied to Medical Physics 1	3	24	Manuel Belgrano	Trieste Univ
Anatomy and Physiology as applied to Medical Physics 2	1	8	Elisa Baratella	Trieste Univ
Radiobiology	1	12	Edoardo Milotti	Trieste Univ
Radiation Physics	4	32	Luciano Bertocchi	ICTP
Radiation Dosimetry	4	32	Renato Padovani	ICTP
Medical Imaging Fundamentals	4	32	Luigi Rigon	Trieste Univ
Physics of Imaging Detectors	1	8	Ralf Menk	ELETTRA
Physics of nuclear medicine:				
Physics of Nuclear Medicine 1	2	16	Luciano Bertocchi	ICTP
Physics of Nuclear Medicine and exercise 2	2	16	Faustino Bonutti	Univ Hosp Udine
Physics of Nuclear Medicine Exercises 1	1	8	Maria Rosa Fornasier	Univ Hosp Trieste
Physics of diagnostic radiology:				
Physics of Diagnostic and Interventional Radiology with X-ray 1	2	16	Fulvia Arfelli	Trieste Univ
Physics of Diagnostic and Interventional Radiology with X-ray 2	2	16	Paola Bregant	Univ Hosp Trieste
Physics of Diagnostic Radiology with US and MR	4	32	Renata Longo	Trieste Univ
Radiology Exercises 1	1	12	Mario De Denaro	Univ Hosp Trieste
Radiology Exercises 2	1	12	Renato Padovani	ICTP
Physics of Radiation Oncology:				
Fundamental and MU calculation	3	28	Maria Rosa Malisan	Udine
Equipment and technology	1	8	Mara Severgnini	Univ Hosp Trieste
Commissioning and basic quality control	1	8	Rossella Vidimari	Univ Hosp Trieste
3DCRT exercise	2	24	Giovanna Sartor	Onc. Hosp Aviano
IMRT/VMAT exercise	2	20	Andrea Dassie	Onc. Hosp Aviano
TPS calculation algorithms and ML exercise	2	20	Michele Avanzo	Onc. Hosp Aviano
Imaging in radiotherapy	1	8	Marco Fusella	Onc. Hosp Padua
Imaging in radiotherapy exercise	1	12	Carlo Cavedon	Univ Hosp Verona
Special Techniques (SRT and IORT)	1	8	Casar Bozidar	Cancer H. Ljubljana
Brachytherapy	1	8	Chiara Tenconi	Ist. Tumori Milan
Brachytherapy exercise	1	12	Francesco Ziglio	Hosp Trento
Radiation Protection 1	2	16	Renato Padovani	ICTP
Radiation Protection 2	1	8	Roberta Matheoud	Univ Hosp Novara
Health Technology Assessment and Management	1	8	Stefania Maggi	Univ Hosp Ancona
Information Technology in Medicine	1	8	Annalisa Trianni	Univ Hosp Trento
Monte Carlo Simulation Methods	1	12	Francesco Longo	Trieste Univ
Information Technology in Medicine exercises 1 (imageJ)	1	12	Nico Lanconelli	Bologna Univ
Statistics in Medicine	1	12	Ilaria Gandin	Trieste Univ
Guided exercises at the Trieste University Hospital	3		Paola Bregant, Rossella Vidimari, Mara Severgnini	Univ Hosp Trieste