

ICTP and Trieste University Master of Advanced Studies in Medical Physics

Courses and Faculty

Second cycle 2016-2017

Course	ECTS	Faculty	Institution
Anatomy and Physiology as applied to Medical Physics	4	Manuel Belgrano	Trieste Univ
Radiobiology	1	Edoardo Milotti	Trieste Univ
Radiation Physics	4	Luciano Bertocchi	ICTP
Radiation Dosimetry	4	Renato Padovani	ICTP
Medical Imaging Fundamentals	3	Luigi Rigon	Trieste Univ
Physics of Imaging Detectors	1	Ralf Menk	ELETTRA
Physics of Nuclear Medicine 1	2	Luciano Bertocchi	ICTP
Physics of Nuclear Medicine 2 and exercise	2	Faustino Bonutti	AOU Udine
Physics of Diagnostic and Interventional Radiology with X-ray 1	2	Fulvia Arfelli	Trieste Univ
Physics of Diagnostic and Interventional Radiology with X-ray 2	2	Paola Bregant	AOU Trieste
Physics of Diagnostic Radiology with US and MR	4	Renata Longo	Trieste Univ
Physics of Radiation Oncology:			
Fundamental and MU calculation	2	Maria Rosa Malisan	AOU Udine
Equipment and technology	1	Mara Severgnini	AOU Trieste
Commissioning and basic quality control	1	Rossella Vidimari	AOU Trieste
Intensity modulated techniques and 3DCRT exercise	3	Giovanna Sartor	Onc. Hosp Aviano
IMRT exercise	1	Andrea Dassie	Onc. Hosp Aviano
Treatment planning, calculation algorithms and VMAT exercises	2	Michele Avanzo	Onc. Hosp Aviano
Imaging in radiotherapy and exercise	2	Carlo Cavedon	AOU Verona
Special Techniques (SRT and IORT)	1	Paolo Scalchi	AO Vicenza
Brachytherapy	1	Tomislav Bokulic	IAEA
Brachytherapy exercise	1	Francesco Ziglio	AO Trento
Nuclear Medicine Exercises 1	1	Maria Rosa Fornasier	AOU Trieste
Radiology Exercises 1	1	Mario De Denaro	AOU Trieste
Radiology Exercises 2	1	Renato Padovani	ICTP
Radiology Exercises 3	1	Silvia Pani	Univ Surrey (UK)
Radiation Protection 1	2	Renato Padovani	ICTP
Radiation Protection 2	1	Elisa Quai	IAEA
Information Technology in Medicine	2	Annalisa Trianni	AOU Udine
Monte Carlo Simulation Methods	1	Francesco Longo	Trieste Univ
Information Technology in Medicine exercises 1 (imageJ)	1	Nico Lanconelli	Bologna Univ
Information Technology in Medicine exercises 2 (statistics)	1	Fabiola Giudici	Trieste Univ
Guided exercises at hospital	3	De Denaro et al.	AOU Trieste