

ICTP and Trieste University Master of Advanced Studies in Medical Physics

Courses and Faculty

Forth cycle 2017-2018

| 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 | 3 | Maria Rosa Malisan | 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 |
| TPS 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 |
| Radiation Protection 1 | 2 | Renato Padovani | ICTP |
| Radiation Protection 2 | 1 | Elisa Quai | IAEA |
| Health Technology Assessment and Management | 1 | Stefania Maggi | AOU Ancona |
| 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 |