

Overview of IGNIDTE training courses per category (listed alphabetically) offered within each year (left column: winter term, right column: summer term). ECTS are indicated in brackets and novel courses in **color**.

Core Subjects (scientific)

Advanced imaging data analysis and machine learning (1)	Automatized processing of brain MRI (1)
Anatomy (1.5)	Basics of MR-sequences (1)
Automatized processing of brain MRI (1)	Basics of radiotherapy (1)
Basics of MR-sequences (1)	Cross-sectional and radio-anatomy for non-MDs (1)
Basics of Radiotherapy (1)	IGDT for non-MDs (1)
Computer-assisted planning and simulation in radiotherapy (1)	Image guided procedures II (1)
Functional and molecular imaging (1)	Image reconstruction for MDs (1)
IGDT for non-MDs (1)	Imaging physics II (1.5)
Image guided procedures I (1), III (1)	Interventional radiology (1)
Image guided procedures III (1)	Medical image analysis (1)
Image reconstruction (1)	Multimodal foundation models in medicine (1)
Introduction to deep learning in medical imaging (2)	Multi-modal data fusion for surgery (1)
Imaging physics I (1,5)	Nuclear physics (1)
Mathematical foundations of medical imaging (1)	Radiopharmacy and chemistry (1)
Medical image processing (1)	Ultrasound diagnostics (1)
Optical methods in medicine (1)	
Radiopharmacology and nuclear medicine (1)	
Safety aspects in IGDT (1)	

Elective Subjects and Transferable Skills

Administration and search of literature (0.5)	Artificial intelligence in medicine II (2)
Artificial intelligence in medicine I (2)	Basic statistics and epidemiology for non-clinical PhD (1)
Basic statistics and epidemiology for non-clinical PhD (1)	Ethics and misconduct in biomedical science (1)
Ethics and misconduct in biomedical science (1)	Gender medicine (1)
Gender medicine (1)	Good scientific practice – good laboratory practice (1)
Open science (1)	Open science (1)
Project application and management (0.5)	Intellectual property, innovation and financial exploitation (1)
Python – basic programming (2)	Python – basic programming (2)
Python – scientific programming (2)	Python – scientific programming (2)
Scientific presentation (1)	Scientific presentation (1)
Statistics advanced for non-clinical PhD (2)	Statistics advanced for non-clinical PhD (2)

Seminars/Journal Clubs

IGNIDTE interdisciplinary seminar (1)	IGNIDTE interdisciplinary seminar (1)
Literature/scientific seminar (1)	Literature/scientific seminar (1)

Image-guided Diagnostics and Therapy – Novelty, Internationality and Excellence,
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