

2018-2019

DRAD6209 – Principle and practice of radiotherapy physics

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practicals)
S1: Radiation dosimetry and dose calculations	Lecture
S4: Electron beam physics	Lecture
S3: Photon beam physics	Lecture
S11: Tutorial	Tutorial
S2a: Radiotherapy treatment machines (1)	Lecture
S2b: Radiotherapy treatment machines (2)	Lecture
S5: Treatment planning principles and techniques	Lecture
S6: Treatment planning system	
S7: Treatment simulation	Lecture
S12: Practical – Dosimetry protocol	Lecture
S8: Special procedures in radiotherapy	Practical
S9: Basic radiobiology in radiotherapy	Lecture
S10: Acceptance tests and commissioning	Lecture
S13: Practical – Dose measurements	Lecture
S14: Practical – Physics data for treatment planning	Practical
	Practical

Assessment method: 50 % in-course assessment
50 % final examination