

**2022-2023**

DRAD6209 – Principles and practice of radiotherapy physics

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practical)
S01: Radiation dosimetry – IAEA protocol implementation S2a: Radiotherapy treatment machines (1) S2b: Radiotherapy treatment machines (2) S03: Photon beam physics S04: Electron beam physics S05: Treatment planning principles and techniques S06: Treatment planning system S07: Treatment simulation S08: Special procedures in radiotherapy S09: Basic radiobiology in radiotherapy S10: Acceptance tests and commissioning S11: Tutorial S12: Practical – Dosimetry protocol S13: Practical – Dose measurements S14: Practical – Physics data for treatment planning	Lecture Lecture Lecture Lecture Lecture Lecture Lecture Lecture Lecture Lecture Lecture Tutorial Practical Practical Practical

Assessment method: 40 % in-course assessment  
60 % final examination

Classes to be held on Saturday afternoon in the 1<sup>st</sup> semester