

2018-2019

DRAD6202 – Advance Radiological Physics and radiation dosimetry

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practicals)
S1: Atomic and Nuclear structure S2: Radioactivity & Radioactive decay S3: Photon interaction with matter 1 S4: Photon interaction with matter 2 S5: Charged particles interaction with matter 1 S6: Charged particles interaction with matter 2 S7: Production and beam quality of X-Ray S8: Tutorial (i) S9: Short quiz & tutorial (ii) S10: Neutron interaction with matter S13: Radiation quantities & units S14: Cavity theory and radiation dosimetry S11-S12 : Practicals S15: Absolute dosimetry & techniques S16: Relative dosimetry & techniques S17: Relative dosimetry & techniques 2 S18: Calibration of photon/ electron beams S19: Tutorial (iii) S20: Tutorial (iv)	Lecture Lecture Lecture Lecture Lecture Lecture Lecture Lecture Lecture Lecture Tutorial Tutorial Practical Lecture Lecture Lecture Lecture Tutorial Tutorial

Assessment method: 30 % in-course assessment  
50 % final examination  
20 % others (please specify): Test