

2018-2019

DRAD6204 – Health physics with focuses on radiological protection in medical sectors

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practicals)
S1: Introductions and historic perspective	Lecture
S2: Interaction physics as applied to radiation protection	Lecture
S3: Operational dosimetry	Lecture
S4: Radiation detection instrumentation	Lecture
S6: Preparedness of radiation emergency	Lecture
S5: Basic of radiation shielding	Lecture
S7: Statistic	Lecture
S8: Radiation monitoring of personnel	Lecture
S9: Internal exposure	Lecture
S10: Environmental dispersion	Lecture
S11: Biological effects	Lecture
S12: Regulations	Lecture
S13: Tutorial	Tutorial
S14: Tutorial	Tutorial
S19: Shielding	Lecture
S20: Risk assessment and protection design of radiation facilities	Lecture
S18: Radiation injury and potential hazard in Medical sectors	Lecture
S17: Radiation protection in medical sectors	Lecture
S15: Practical	Practical
S16: Practical	Practical

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