

2022-2023

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

*Compulsory

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practical)
S01: Introduction and historical perspective	Lecture
S02: Interaction physics as applied to radiation protection	Lecture
S03: Operational dosimetry	Lecture
S04: Radiation detection instrumentation	Lecture
S05: Basic of radiation shielding	Lecture
S06: Preparedness of radiation emergency	Lecture
S07: Health physics statistic	Lecture
S08: Radiation monitoring of personnel	Lecture
S09: Internal exposure	Lecture
S10: Environmental dispersion	Lecture
S11: Biological effects	Lecture
S12: Regulations	Lecture
S13: Tutorial	Tutorial
S14: Tutorial	Tutorial
S15: Practical	Practical
S16: Practical	Practical
S17: Radiation protection in medical sectors	Lecture
S18: Radiation injury and potential hazard in Medical sectors	Lecture
S19: Shielding calculations for medical facilities	Lecture
S20: Risk assessment and protection design of radiation facilities	Lecture

Assessment method: 50 % in-course assessment50 % final examinationClasses to be held on Saturday afternoon and weekday evening in the 1st semester