

This course is NOT opened in 2022-2023

DRAD6207 – Nuclear Medicine Sciences

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practical)
S01: Introduction & Revision of key Nuclear Medical Physics	Lecture
S02: Electronics	Lecture
S03: Nuclear Medicine Statistics & Research Methodology	Lecture
S04: Practical – Unsealed Radioactive Isotope Handling Techniques	Practical
S05: Nuclear Detection & Imaging Devices	Lecture
S06: Quality Assurance in Nuclear Medicine	Lecture
S07: Image quality principles	Lecture
S08: Computer in Nuclear Medicine	Lecture
S09: Practical – Operation of Gamma Camera	Practical
S10: Decision Analysis in Nuclear Medicine	Lecture
S11: Tracer Kinetics & Modeling	Lecture
S12: Radiopharmaceuticals & Radiochemistry	Lecture
S13: Nuclear Accidents Management	Lecture
S14: Clinical Nuclear Medicine Application III (Bone Densitometry)	Lecture
S15: Practical – Performance Acceptance Testing of Gamma Camera	Practical
S16: Practical – Nuclear Medicine Computer & Programming	Practical
S17: Clinical Nuclear Medicine Application I (Thyroid, Bone, Pulmonary)	Lecture
S18: Clinical Nuclear Medicine Application II (GI, Hepatobiliary, Receptor Imaging)	Lecture
S19: Clinical Nuclear Medicine Application IV (Renal, Cardiac Function & Myocardial Perfusion)	Lecture
S20: Clinical Nuclear Medicine Application V (Therapy with Unsealed Radionuclides)	Lecture

Assessment method:	<u>40</u>	% in-course assessment	
	<u>30</u>	% final examination	
	<u>30</u>	% others (please specify):	<u>test</u>

Classes to be held on weekday evening in the 1st semester