2025-2026

DRAD6213 – AI in Radiology and Medical Imaging

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practical)
S01: Introduction to AI in Radiology	Lecture
S02: Fundamentals of Medical Imaging	Lecture
S03: Basics of AI and Machine Learning	Lecture
S04: Deep Learning and Its Applications in Medical Imaging	Lecture
S05: Data Management and Medical Image Preprocessing	Lecture
S06: Data Preparation, Model Training and Model Evaluation	Lecture
S07: Segmentation Practice	Practical
S08: Classification Practice	Practical
S09: Advanced AI Topics in Radiology	Lecture
S10: Workflow Integration and Ethical Considerations	Lecture

Assessment method:

- Assignment: 30%

- Practical: 20%

- Examination: 50%

Classes to be held on Thursday evening in the 2nd semester