

2018-2019

DRAD6205 – Magnetic resonance imaging – principles and its applications

Topic	Teaching mode (e.g. Lecture, Tutorial, Lab, Practicals)
S1: Introduction of MRI and signal source S2-S3: Excitation, signal detection, relaxation effect, and spin-echo S4: Spatial encoding & image formation S5: Principle of k-space and echo-planar imaging S6: Hardware of MRI S7: Control of image quality and contrast (After class scanning session) S8: Scan acceleration with rapid gradient-echo S9: MRI image artifacts S10: Flow artifact and MR angiography S11:Phase contrast MRI S12: Diffusion-weighted imaging	Lecture

Assessment method: 55 % in-course assessment
45 % final examination