

BMDE 650. ADVANCED MEDICAL IMAGING.

Credits: 3

Offered by: Biomedical Engineering (Graduate Studies)

Terms offered: Winter 2026

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Description

Review of advanced techniques in medical imaging including: fast magnetic resonance imaging (MRI), functional MRI, MR angiography and quantitative flow measurement, spiral and dynamic x-ray computed tomography, 2D/3D positron emission tomography (PET), basic PET physiology, tracer kinetics, surgical planning and guidance, functional and anatomical brain mapping, 2D and 3D ultrasound imaging, and medical image processing.

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