

ECE 5252: Medical Imaging

Principles of structural and functional medical imaging modalities: X-ray, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), ultrasound and optical imaging. Fundamentals of biomedical image analysis: image acquisition and display, image enhancement, segmentation and registration as used in medical imaging applications. Prerequisites: EGR 2021 or equivalent.

Credits: 3.0

Prerequisites:

EGR 2021

EGR 2021

Program: Electrical and Computer Engineering