

BMDE 517. ELECTROMAGNETIC TECHNOLOGIES FOR BIOMEDICINE

Credits: 3

Offered by: Biomedical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Introduction into concepts and characteristics of electromagnetic (EM) fields interacting with the body, from theory through practice. Electromagnetic properties of biological tissues, safety considerations, electrode- and antenna-based measurements, and existing and emerging medical technologies.

- Prerequisite(s): MATH 262 and MATH 263 and (ECSE 353 or ECSE 354 or PHYS 242) or permission of the instructor.

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