

BMDE 512. FINITE-ELEMENT MODELLING IN BIOMEDICAL ENGINEERING.

Credits: 3

Offered by: Biomedical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

General principles of quantitative modelling; types of models; principles of the finite-element method, primarily as applied to mechanical systems; introduction to the use of finite-element software; model generation from imaging data; modelling various material types, mainly biological; model validation.

- (3-0-6)
- Prerequisite: Differential equations (MATH 271 or equivalent) or permission of instructor

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