

# BIEN 510. ENGINEERED NANOMATERIALS FOR BIOMEDICAL APPLICATIONS.

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Credits: 3

Offered by: Bioengineering (Faculty of Engineering)

Terms offered: Fall 2025

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## Description

Introduction to the interdisciplinary field of biomedical uses of nanotechnology. Emphasis on emerging nanotechnologies and biomedical applications including nanomaterials, nanoengineering, nanotechnology-based drug delivery systems, nano-based imaging and diagnostic systems, nanotoxicology and immunology, and translating nanomedicine into clinical investigation.

- Prerequisite(s): BIEN 200, CHEM 212, and BIOL 112, or permission of instructor
- (3-0-6)

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