



Hard-Tissue Biomaterials

BIOMEDE 5353

Credit Hours:

3.00 - 3.00

Course Levels:

Undergraduate (1000-5000 level)

Graduate (5000-8000 level)

Course Components:

Lecture

Course Description:

In-depth literature review of selected current concepts in the material science of hard tissues and related implant materials.

Prerequisites and Co-requisites:

Prereq: 5310, or permission of instructor.

Course Goals / Objectives:

- Conduct a targeted literature review
 - Demonstrate knowledge of the components of a peer-reviewed publication by dissecting and critiquing articles
 - Write a modified NIH-style research grant application and present critiques of two proposals written by classmates
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Course Topics:

- Critiquing a scientific paper
 - Conducting a focused literature review
 - Preparing an NIH-style grant proposal
 - Discussion of student-selected literature topics within hard-tissue biomaterials
 - Discussion of more student-selected literature topics within hard-tissue biomaterials
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Designation:

Elective