



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Scientific Methods in Biomedical Engineering

BIOMEDE 6000

Credit Hours:

1.00 - 1.00

Course Levels:

Graduate (5000-8000 level)

Course Components:

Lecture

Course Description:

Instruction on basic concepts and skills necessary for graduate students in Biomedical Engineering including literature search, proposal preparation, critical evaluation, and research presentation.

Prerequisites and Co-requisites:

Prereq: Grad standing, or permission of instructor.

Course Goals / Objectives:

- Critically evaluate the literature with consideration of scientific methods and hypothesis testing
 - Discuss the relevant components of the research process related to biomedical engineering investigations with human and animal subjects
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Course Topics:

- Technique and practices for searching and retrieving literature related to BME
 - Preparation, editing, and critiquing manuscripts
 - Preparation and evaluation of research proposals
 - Presenting your research - abstracts - posters - oral presentations
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Designation:

Required