



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Professional Development

BIOMEDE 2001

Credit Hours:

1.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

Development of professional skills; engineering economy; project planning; ethics, best business practices.

Prerequisites and Co-requisites:

Prereq: Enrollment in the BIOMEDE major

Course Goals / Objectives:

- Envision several possible career journeys as a BME by gaining awareness of career options with job titles, skills, and experiences.
 - Understand professional and ethical responsibilities as a biomedical engineer.
 - Build community and network with peers, instructors, and the BME department.
 - Create a personalized career attainment strategy, including the identification of careers and associated professional development opportunities (e.g. BME department, Engineering Career Services, research opportunities, mentorship, networking etc).
 - Identify and communicate (e.g. resume, elevator pitch, LinkedIn profile, etc) personal strengths and skillset as a biomedical engineer.
 - Apply standards of professional behavior and principles of ethical conduct to BME case studies.
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Course Topics:

- Welcome and Course Introduction
 - Communicating your Strengths
 - Navigating ECS
 - BME Identity
 - BME Career Paths
 - Product Development
 - BME Professional Responsibilities
 - Leadership
 - Regulatory and Standards
 - Human Centered Design
 - Ethics
 - Class Wrap-Up
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Designation:

Required