

Southern Illinois University Carbondale

Biomedical Engineering Program

College of Engineering

Syllabus

BME 596-1

Introduction to Biomedical Engineering

Catalog Description

Introduction and orientation to the biomedical engineering program. Topics to be discussed include: History and scope of the Program, curriculum , required courses ,elective courses, thesis and non-thesis options, graduate committee formation, research areas, monitoring academic progress, financial assistance and discussion of BME-related topics that involve math, chemistry, biology, and engineering. Prerequisites: Enrollment in BME program.

Course Total Credit Hours: 1 **Lecture:** 1 **Laboratory:** 0

Prerequisites: Enrollment in BME program.

Objectives: Familiarize the students with the biomedical engineering program.

Laboratory Fees: None **Laboratory safety equipment:** None

Instructor: Biomedical Engineering Faculty

Course Committee: Biomedical Engineering Faculty

Text Book: None

References: None

Topical outline:

History and overview of the Program	1 lecture (7.1%)
Curriculum	1 lectures (7.1%)
Research areas in the BME	4 lectures (28.4%)
Graduate Committee Formation	.3 lectures (2.1%)
Monitoring your academic progress	.5 lectures (3.6%)
Financial assistance	.2 lecture (1.4%)
Basic Math for BME	2 lectures (14.3%)
Basic Biology for BME	2lectures (14.3%)
Basic Chemistry for BME	1 lectures (7.1%)
Basic Engineering for BME	2 lectures (14.3%)

Grading

Grading is based on the attendance. A grade of Unsatisfactory is given if the student misses more than 20% of the seminar lectures.