

**ECEN 4743 - Introduction to Biomedical Engineering Modeling and Systems**

An overview of the field of biomedical engineering and an introduction of the modeling approaches implemented in biomedical engineering. Topics include bio-electronics, biomechanics, compartmental modeling, bio-signal processing, biomedical optics, etc. The course will demonstrate a few of major fields of activity in which biomedical engineers are engaged and modeling approaches are implemented. Prerequisite(s): ECEN 3714, ECEN 4763; degree program requires admission to Professional School prior to enrollment.

3.000 Credit hours

3.000 Lecture hours

**Levels:** Graduate, Undergraduate

**Schedule Types:** Lecture

Elec & Computer Engr Department

**Course Attributes:**

College of Eng Arch & Tech, Upper Division Requirement