

## **El E 413: Biomedical Signal Processing**

### **Electrical Engineering**

Introduction to the electrocardiogram, electroencephalogram, electromyogram, and other diagnostic signals. Analysis of biomedical systems using both time-domain and frequency-domain techniques. Computer techniques for processing and analysis of biomedical signals. Practical applications in cardiac and neurological signal processing.

3 Credits

### **Prerequisites**

- [Math 353: Elementary Differential Equations](#)
- Pre-Requisite: 24 Earned Hours
- Csci 111 or Csci 251

### **Instruction Type(s)**

- Lecture: Lecture for El E 413

### **Subject Areas**

- [Electrical and Electronics Engineering](#)
- [Bioengineering and Biomedical Engineering](#)

