El E 413: Biomedical Signal Processing

**Electrical and Electronics 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
- Csci 111 or Csci 251

**Instruction Type(s)**
- Lecture: Lecture for El E 413

**Subject Areas**
- Electrical and Electronics Engineering
- Bioengineering and Biomedical Engineering

**Related Areas**
- Laser and Optical Engineering
- Telecommunications Engineering