

EI E 413: Biomedical Signal Processing

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

3 Credits

Prerequisites

- <u>Math 353: Elementary Differential Equations</u>
- Pre-Requisite: 24 Earned Hours
- Csci 111 or Csci 251
- Engr 360 or Engr 362

Instruction Type(s)

• Lecture: Lecture for EI E 413

Subject Areas

- Electrical and Electronics Engineering
- Bioengineering and Biomedical Engineering

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