BME 537	Embedded Microprocessor System Design

Catalog Data	Design, analysis, and evaluation of microprocessor-based systems for biomedical implementation.

Course Total Credit Hours:	3	Lecture:	3	Laboratory:	-	Project	-

Prerequisites:	: ECE424 or consent of instructor
Course Coordinator:	Biomedical Engineering Faculty

Textbooks

Computers as Components: Principles of Embedded Computer Systems Design
by Wayne Wolf , 2000.

References

1. Embedded Systems Design, Second Edition by Steve Heath , 2002.
2. Embedded Linux System Design and Development by P. Raghavan, A. Lad, and S. Neelakandan, 2005.

Goals	1. To understand the technology of embedded systems 2. To design and evaluate a biomedical-based embedded microprocessor system

Projects

Design of a comprehensive embedded system for specific bioengineering application

Major CAD Packages

Last Review:	Spring Semester 2008	Signature:	