

<b>BME 534</b>	<b>Biomedical Sensors &amp; Measurements</b>						
<b>Catalog Data</b>	Design and evaluation of sensors with application in biomedical engineering. Instrumentation and Techniques for measurements related to biomedical applications.						
<b>Course Total Credit Hours:</b>	<b>3</b>	<b>Lecture:</b>	<b>3</b>	<b>Laboratory:</b>	<b>-</b>	<b>Project</b>	<b>-</b>
<b>Prerequisites:</b>	PHSL410A, CHEM 444, or consent of instructor.						
<b>Course Coordinator:</b>	Biomedical Engineering Faculty						
<b>Textbooks</b>							
Sensors and Sensing in Biology and Engineering by Friedrich G. Barth, Joseph A.C. Humphrey, and Timothy W. Secomb, 2004.							
<b>References</b>							
1. The Measurement, Instrumentation and Sensors Handbook, by John G. Webster, 1998. 2. Sensor Technology Handbook by Jon S Wilson, 2004.							
<b>Goals</b>	1. To design a sensor for a specific biomedical engineering application 2. To understand how to select and evaluate a sensor for a specific biomedical engineering applications						
<b>Projects</b>							
Select , apply, and analyze sensor system for a specific bioengineering application							
<b>Major CAD Packages</b>							
<b>Last Review:</b>	<b>Spring Semester 2008</b>			<b>Signature:</b>			