

BME 501	Statistics for Biomedical Engineers						
Catalog Data	Theoretical introduction to the basic principles of statistical modeling and estimation focusing on biomedical engineering applications such as genetics and genetic-related disorders.						
Course Total Credit Hours:	3	Lecture:	3	Laboratory:	-	Project	-
Prerequisites:	PHSL 410A or consent of instructor.						
Course Coordinator:	Biomedical Engineering Faculty						
Textbooks							
<ol style="list-style-type: none"> 1. Statistical Methods for the Analysis of Biomedical Data, 2nd Edition by Robert F. Woolson, and William R. Clarke, 2002. 							
References							
<ol style="list-style-type: none"> 1. Robust Statistics (Wiley Series in Probability and Statistics) by Peter J. Huber, 2003. 2. Introduction to Applied Statistical Signal Analysis, Third Edition: Guide to Biomedical and Electrical Engineering Applications (Biomedical Engineering) by Richard Shiavi, 2006. 							
Goals	Familiarize the students with the theoretical and experimental concepts of statistical modeling and analysis						
Projects							
Major CAD Packages							
Last Review:	Spring Semester 2008			Signature:			