

BME 533	Speech Processing						
Catalog Data	Fundamentals of speech production system, signal analysis of speech, speech coding, linear prediction analysis, speech synthesizing, and speech recognition algorithms.						
Course Total Credit Hours:	3	Lecture:	3	Laboratory:	-	Project	-
Prerequisites:	ECE468 or consent of instructor.						
Course Coordinator:	Biomedical Engineering Faculty						
Textbooks							
Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics and Speech Recognition by Daniel Jurafsky and James H. Martin, 2001.							
References							
Discrete-Time Speech Signal Processing: Principles and Practice by Thomas F. Quatieri, 2001.							
Goals	<ol style="list-style-type: none"> 1. To familiarize the students with the mechanism of speech production 2. To analyze the speech signal 3. To understand the speech recognition algorithms 						
Projects							
Major CAD Packages							
Speech data packages							
Last Review:	Spring Semester 2008			Signature:			