EEL 6586: AUTOMATIC SPEECH PROCESSING
SPRING 2003

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Prerequisite: EEL5701
Class Meeting: MWF 4th period (10:40-11:30am) in EB 201
Class Homepage: http://www.cnel.ufl.edu/hybrid/courses/EEL6586


Reference Books:


J.G. Harris
January 6, 2003
Course Topics:
The course covers the basics of speech processing, synthesis, and recognition. Homework assignments include writing Matlab programs to process actual speech signals. Course topics include:
* Fundamentals of speech science
* Modeling speech production
* Short-term processing of speech
* Linear prediction analysis
* Cepstral analysis
* Speech coding and synthesis
* Speech enhancement
* Recognition using templates and DTW
* Recognition using hidden Markov models

Tentative Grade Determination:
1/3 Homework
1/3 Exam 1
1/3 Final Project

Key Dates: TBA