Instructor: John G. Harris
Office: NEB 453
Phone: (352) 392-2652
Email: harris@cnel.ufl.edu
Homepage: http://www.cnel.ufl.edu/hybrid/harris.html
Office hours: MTW 2-3pm

TA: Mark D. Skowronski
Office: NEB 288
Phone: N/A
Email: markskow@cnel.ufl.edu
Homepage: http://www.cnel.ufl.edu/~markskow
Office hours: TBA

Prerequisite: EEL5701

Class Meeting: MWF 6th period (12:50-1:40am) in CSE122
Class Homepage: http://www.cnel.ufl.edu/hybrid/courses/EEL6586


Reference Books:

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