Instructor:
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Teaching Assistant
Yusuf Ziya İşık , FENS 2020, yusufziya at su dot sabanciuniv dot edu

Lecture Place and Times:
Mondays 14:40-17:30, FENS G025

Recitation and Labs:
Tuesday 12:40-13:30, FENS L058

Office Hours:
To be determined

Textbooks:
I will use my lecture notes. We will use the following books as references.


Grading (tentative):
15% Homeworks (partially read), quizzes and RATs
20% Computer Labs
30% late midterm
35% Project

Outline (tentative):
Motivation, research and application areas
Sound, speech production and phonetics
STFT, spectrogram
Pole-zero Speech models, LPC
Speech coding (brief), PCM, VQ, CELP etc.
Pitch estimation
Speech enhancement
Feature Extraction from Speech
Speaker Identification - GMMs
Speech Recognition – HMMs (if time permits)