Course Objectives: This is a class to introduce the students with the world of communications. Specific topics are use of Fourier techniques in communication systems design and analysis, amplitude modulation (AM), frequency modulation (FM), random signals and noise in communication systems.

Instructor: Özgür Gürbüz, Room #1109
ogurbuz@sabanciuniv.edu

Teaching Assistant: Mikail Yilan, mikail@sabanciuniv.edu

Class Hours: Mondays, 15:40-16:30
Wednesdays, 14:40-16:30


Course Contents Introduction to Analog and Digital Communication Systems
Review of Signals and Systems
Amplitude (Linear) Modulation
Angle (Exponential) Modulation
Probability, Random Signals and Noise
Behavior of Analog Communications in Noise

Grading:
2 Midterms 25% each
(Tentative)
Final 30%
Quizes 20%

Notes: There will be only one make up test for students who have missed a test (a midterm or the final). The make up grade will replace the grade of the missed test. The make up will take place after the final examination and it will cover the entire the course.