EE 313 – Introduction to Communication Systems
Fall 2020

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

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

Course Text: *Modern Digital and Analog Communication Systems*, by B. P. Lathi, 4th Edition, Oxford Press, NY, 2010.

Additional Reading: *Introduction to Analog and Digital Communications*, by S. Haykin and M. Moher, 2nd Edition, John Wiley& Sons, 2007.

Communication Systems Engineering,"y J. G. Proakis and M. Salehi, 2nd Edition, Prentice-Hall, 2002.

Communication Systems, by S. Haykin, 4th Edition, John Wiley& Sons, 2001.

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: (Tentative)

2 Midterms	25% each	
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.