

ELE 324
Communication Theory I
Spring 2015

Place, Time:: Thursday(13:00-15:45):E3, Monday (09:00-11:45):E6

Course Outline:

- W1-Feb.19- Overview of Telecom., Review of F.T., LTI Systems and Filters
- W2- Feb.26- Amplitude Modulation
- W3-Mar. 5- DoubleSideband Modulation, Quadrature AM
- W4-Mar.12 -Hilbert Transform
- W5-Mar.19- Filtering of Sidebands, VSB, SSB Modulation
- W6-Mar.26- **EXAM**
- W7-Apr. 2- Angle Modulation
- W8-Apr. 9- Frequency Modulation
- W9-Apr.16- Random Variables
- W10-Apr.23-No Class (Holiday)
- W11-Apr 30-Power Spectral Density
- W12-May 7- **EXAM**
- W13-May14-Noise in CW Modulation
- W14-May21-Noise in Angle Modulation (+Television)

Textbook:

Communication Systems, S. Haykin, Wiley, 2001.

Grading: Two term exams (50%), a final exam(50%).