Course Syllabus

Course Description:
3 hours. Introduction to the concepts of transmission of information via communication channels. Amplitude and angle modulation for the transmission of continuous-time signals. Analog-to-digital conversion and pulse code modulation. Transmission of digital data. Introduction to random signals and noise and their effects on communication. Optimum detection systems in the presence of noise.

Instructor:
Dr. Robert Akl, Discovery Park F229, (940) 565-2804, Robert.Akl@unt.edu (mailto:Robert.Akl@unt.edu)

Teaching Assistant:
Sukrutha LakshmiSukruthaTirumalaVangipuram@my.unt.edu (mailto:LakshmiSukruthaTirumalaVangipuram@my.unt.edu)

Course help hours: TBD
Zoom link for office hours: TBD

Lab using MATLAB SIMULINK:

Class Hours:
Mondays and Wednesdays, 5:30 pm – 6:50 pm, DP D201 and Zoom meetings.

Office Hours:
By appointment for zoom meeting or email.

Textbook:


Supplemental text: MATLAB Student Edition

Grading
Attendance 10%

Homework 10%

Matlab Project 10%

Lab Project 10%

Midterm 25%

Final 35%

Homework and Projects:

Homework and Projects will be turned in through Canvas on the due date.