Course Syllabus

CSCE3020

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

Teaching Assistant:

Sukrutha LakshmiSukruthaTirumalaVangipuram@my.unt.edu

Course help hours: TBD.

Zoom link for office hours: TBD (https://unt.zoom.us/j/93656734404.)

Lab using MATLAB SIMULINK:

Class Hours:

Mondays and Wednesdays, 7:00 pm – 8:20 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.