

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
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Teaching Assistant:

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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:

Signals and Systems: Analysis Using Transform Methods and MATLAB, 2nd edition, M. J. Roberts, McGraw Hill, 2012.

ISBN 978-0-07-338068-1.

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.