Course Syllabus

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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:

Laavanya Rachakonda, RachakondaLaavanya@my.unt.edu

Office hours are Wednesdays and Fridays 2:00 - 3:00 pm.

Zoom link for office hours:

Meeting URL:	https://unt.zoom.us/j/95729284404
Meeting ID:	957 2928 4404

Lab Hours F242:

Monday - Friday, 1:00 pm – 1:50 pm

LAB TA: Akhil Narahari akhilkumarnarahari@my.unt.edu

Class Hours:

Mondays and Wednesdays, 5:30 pm – 6:50 pm, Zoom meeting.

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	15%
Matlab Project	15%
Lab Project	15%
Midterm	20%
Final	25%

Homework and Projects:

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