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

Teaching Assistant:
Laavanya Rachakonda, Rachakondal.aavanya@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 akhilumarnarahari@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:
Supplemental text: MATLAB Student Edition

Grading

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Attendance</td>
<td>10%</td>
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<tr>
<td>Homework</td>
<td>15%</td>
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<tr>
<td>Matlab Project</td>
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<tr>
<td>Lab Project</td>
<td>15%</td>
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<tr>
<td>Midterm</td>
<td>20%</td>
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<tr>
<td>Final</td>
<td>25%</td>
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Homework and Projects:
Homework and Projects will be turned in through Canvas on the due date.