EE 568 Digital Communications I, Fall 2021

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Office: 228B EE West, Phone: (814) 863-8732
Lectures: TuTh 10:35AM – 11:50AM, Willard Bldg 270
Office Hour: TuTh 12:00PM – 1:00PM, EE West 228B

Course Webpage
- Canvas: http://canvas.psu.edu

Course Material

Course Outline
1. A Review of probability and random processes (Appendix A)
2. Modulation (Chapter 2)
3. Demodulation (Chapter 3)
4. Synchronization and noncoherent communication (Chapter 4)
5. Channel equalization (Chapter 5)
6. Wireless communication (Chapter 8)

The above schedule is subject to change without prior notice.

Grading
- Homework (40%), Test 1 (40%), Final project (20%).

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<thead>
<tr>
<th>Score</th>
<th>Grade</th>
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<tbody>
<tr>
<td>[0, 60)</td>
<td>F</td>
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<tr>
<td>[60, 70)</td>
<td>D</td>
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<tr>
<td>[70, 77)</td>
<td>C</td>
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<td>[77, 80)</td>
<td>C+</td>
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<td>[80, 83)</td>
<td>B-</td>
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<td>[83, 87)</td>
<td>B</td>
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<tr>
<td>[87, 90)</td>
<td>B+</td>
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<tr>
<td>[90, 93)</td>
<td>A-</td>
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<tr>
<td>[93, 100]</td>
<td>A</td>
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Masking Policy
Penn State University requires everyone to wear a face mask in all university buildings, including classrooms, regardless of vaccination status. ALL STUDENTS MUST wear a mask appropriately (i.e., covering both your mouth and nose) while you are indoors on campus. This is to protect your health and safety as well as the health and safety of your classmates, instructor, and the university community. Anyone attending class without a mask will be asked to put one on or leave. Instructors may end class if anyone present refuses to appropriately wear a mask for the duration of class. Students who refuse to wear masks appropriately may face disciplinary action for Code of Conduct violations. If you feel you cannot wear a mask during class, please speak with your adviser immediately about your options for altering your schedule.
Academic Integrity

Academic integrity is the pursuit of scholarly activity in an open, honest and responsible manner. Academic integrity is a basic guiding principle for all academic activity at The Pennsylvania State University, and all members of the University community are expected to act in accordance with this principle. Consistent with this expectation, the Universitys Code of Conduct states that all students should act with personal integrity, respect other students dignity, rights and property, and help create and maintain an environment in which all can succeed through the fruits of their efforts. Academic integrity includes a commitment by all members of the University community not to engage in or tolerate acts of falsification, misrepresentation or deception. Such acts of dishonesty violate the fundamental ethical principles of the University community and compromise the worth of work completed by others.

Accommodating Students with Disabilities

Penn State welcomes students with disabilities into the Universitys educational programs. Every Penn State campus has an office for students with disabilities. Student Disability Resources (SDR) website provides contact information for every Penn State campus. For further information, please visit Student Disability Resources website. In order to receive consideration for reasonable accommodations, you must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: See documentation guidelines. If the documentation supports your request for reasonable accommodations, your campus disability services office will provide you with an accommodation letter. Please share this letter with your instructors and discuss the accommodations with them as early as possible. You must follow this process for every semester that you request accommodations.

Counseling and Psychological Services

Many students at Penn State face personal challenges or have psychological needs that may interfere with their academic progress, social development, or emotional wellbeing. The university offers a variety of confidential services to help you through difficult times, including individual and group counseling, crisis intervention, consultations, online chats, and mental health screenings. These services are provided by staff who welcome all students and embrace a philosophy respectful of clients cultural and religious backgrounds, and sensitive to differences in race, ability, gender identity and sexual orientation.

Counseling and Psychological Services at University Park (CAPS): 814-863-0395
Counseling and Psychological Services at Commonwealth Campuses
Penn State Crisis Line (24 hours/7 days/week): 877-229-6400
Crisis Text Line (24 hours/7 days/week): Text LIONS to 741741

Educational Equity/Reporting Bias

Penn State takes great pride to foster a diverse and inclusive environment for students, faculty, and staff. Acts of intolerance, discrimination, or harassment due to age, ancestry, color, disability, gender, gender identity, national origin, race, religious belief, sexual orientation, or veteran status are not tolerated and can be reported through Educational Equity via the Report Bias webpage.