

EE 360 Communication Systems I, Fall 2017

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Lectures: TuTh 12:05PM – 1:20PM, Walker Building 109

Office Hour: TuTh 1:30PM – 2:30PM

Course Webpage

- Canvas: <http://canvas.psu.edu>

Course Material

- **Textbook:** *Introduction to Analog & Digital Communications*, S. Haykin, M. Moher, 2nd ed., John Wiley & Sons, 2007. ISBN: 13 978-0-471-43222-7.
- **References:**
Introduction to Communication Systems, Upamanyu Madhow, Cambridge University Press, 2014.
Modern Digital and Analog Communication Systems, B. P. Lathi, Z. Ding, 4th Ed., Oxford University Press, 2009.
Communication Systems, S. Haykin, 4th ed., John Wiley & Sons, 2001. ISBN: 0-471-17869-1.

Course Outline

1. Fourier Analysis (Chapter 2)
2. Amplitude Modulation (Chapter 3)
3. Angle Modulation (Chapter 4)
4. Pulse Modulation (Chapter 5)
5. Baseband Data Transmission (Chapter 6)
6. Digital Band-Pass Modulation (Chapter 7)

The above schedule is subject to change without prior notice.

Grading

- Quiz (10%), homework (20%), midterm 1 (20%), midterm 2 (20%), final exam (30%).

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Crisis Text Line (24 hours/7 days/week): Text LIONS to 741741

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