ENEE 420: Communication Systems (Fall 2017)

Lecture: MW 12:30-1:45pm, CHE 2136.

Instructor: Sennur Ulukus, AVW 2337, ulukus@umd.edu, (301) 405 4909.
Office hours: by appointment; appointments may be made by email, or before/after class.

Teaching Assistant: Mohsen Rezaeizadeh, AVW 3187, mohsenr@umd.edu.
Office hours: Tu 5-6pm, F 4-5pm; additional office hours by appointment.

Course web-page: http://www.ece.umd.edu/~ulukus

Prerequisites: ENEE 322 and ENEE 324.


Course outline:

1. Review of signal and system theory
2. Analog communications (AM/FM)
3. Review of probability theory
4. Introduction to random processes
5. Noise in analog communications
6. Baseband pulse transmission
7. Signal space analysis
8. Digital band-pass transmission

Grading: Homeworks 10%, each midterm exam 25%, final exam 40%.

              Midterm exam 2: November 15 (in class).
              Final exam: Monday, December 18, 8:00-10:00am.

Homeworks: Weekly homeworks will be assigned. Each homework will be due at the beginning of the lecture exactly one week later. No late homeworks will be accepted for any reason.

Make-up exams: No make-up exams will be given for any reason. If a student misses a midterm exam, provided that the student produces a written document (e.g., a doctor’s report), the percentage of the final exam will be increased to reflect the percentage of the missed exam.

Recommended study habits: Read the appropriate sections of the textbook before the class. Attend the lecture and take notes. Study your notes after the class. Do your homeworks. Start working on the homework problems early, and take advantage of the office hours of the TA and the professor.