EECE377 Communication Systems
Spring 2012

Time: MWF 1:10-2:10 PM UU202

Instructor: Dr. X. Edward Li, Associate Professor
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Office Hours: Tuesday, Thursday 11:00-12:00 (or by appointment)

TA: TBD
Office Hours of TA: TBD

Class Notes, assignments, solutions, etc., are on Blackboard

References:

Prerequisite: EECE 301 and ISE 261

Objective: To introduce the student to analog and digital modulation and demodulation: AM, FM, QAM, PSK, FSK, and some basic knowledge of electronic communication systems.

Topics:
1. Introduction (Chapter 1)
2. Representation of signals and systems (Chapter 2)
3. Amplitude modulation (Chapter 3)
4. Angle modulation (Chapter 4)
5. Probability theory and random process (Chapter 5)
6. Noise in CW modulation systems (Chapter 6)
7. Transition from analog to digital (Chapter 7)
8. Basics of bandpass digital modulations (Chapter 9)

Grading:
- Attendance: 5%
- Homework (about 7): 14%
- Quizzes (3): 21%
- Exam 1: 15%
- Exam 2: 20%
- Final Exam: 25%

This course is also offered under the articulation agreement between Binghamton University and SUNYIT. It is available to qualified students at Binghamton University via the distance learning system Enginet.