Instructor: Jake Gunther, jake@ece.usu.edu, EL 172

Course Title: Communication Systems I

Class web page: http://www.engineering.usu.edu/classes/ece/5660/

Textbook: Digital Communications: A Discrete-Time Approach, Michael Rice

Lecture Time/Location: MWF 8:30–9:20 AM in Engr 108

Prerequisites: ECE 3640 and Math 5710

Final Exam Time: A comprehensive final exam will be given on Monday, 1 May 2006 in Engr 108 from 7:30 to 9:20 am.

Office Hours: Daily, 1:00 PM to 2:00 PM

Course Summary: The first portion of the class will cover topics in analog communication. Beginning with basic Fourier transform properties, techniques for analog modulation and demodulation will be developed. Insights to these problems will be uncovered along the way. The rest of the course will be devoted digital communication, the material covered in Chapters 4, 5, and 6.

Homework: Homework assignments will be given approximately weekly and will be posted to the class web page.

Computer assignments: Computer assignments will be given periodically to extend and amplify the topics discussed during lectures. These assignments will mainly be done using Matlab/Simulink computer software. The computer assignments will be posted to the class web page.

Late Policy: Labs and homework will not be accepted late without prior instructor permission.

Exams: Questions on exams may be taken from material covered in lectures, computer assignments, the textbook, or supplementary material discussed in class.

Cheating: Don't do it! Everything you turn in must represent your own thinking and work. The instructor reserves the right to fail any student who can be justifiably accused of cheating.

Grading: Homework (20%), Computer assignments (20%), Exam 1 (20%), Exam 2 (20%), Final (20%). Because you are not competing for grades, you will benefit by studying together and teaching one another.

Disabilities: In cooperation with the Disability Resource Center, reasonable accommodation will be provided for qualified students with disabilities. Please meet with the instructor during the first week of class to make arrangements. Alternate format print materials (large print, audio, diskette or Braille) will be available through the Disability Resource Center.

Missed Lectures: Students who miss lectures are responsible find out what they missed from their classmates. The instructor will not repeat the lecture during office hours.

Schedule: The following table gives a schedule for the class. Note that the dates (except for the first day of class and the final exam) are approximate and are subject to change.

Month	Day	Chapter	Lecture	Due
Jan	9			
	11			
	13			
	16		No classes, Martin Luther King, Jr. Day	
	18			
	20			
	23			
	25			
	27			
	30			
Feb	1			
	3			
	6			
	8			
	10			
	13			
	16			
	17			
	20		No classes, President's Day	
	21			
	22			
	24			
	27			
Mar	1			
	3			
	6			
	8			
	10			
	13		Spring Break	
	15		Spring Break	
	17		Spring Break	
	20			
	22			
	24			
	27			
	29			
	31			
Apr	3			
	5			
	7			
	10			
	12			
	14			
	17			
	19			
	21			
	24			
	26			
	28			
May	1		Final Exam in Engr 108, from 7:30 to 9:20 am	