

EE433 Course Policies

EE 433 – Wireless and Cellular Communication Systems – Fall 2008

Instructor: Dr. Christopher R. Anderson 318 Maury Hall canderso@usna.edu 293-6185

Time & Location: Section 6521: MWF-6, Th-5&6 Rickover 064 / 071

Textbook: Wireless Communications: Principles and Practice, 2nd Edition by Theodore S. Rappaport.

Office Hours: MWF 3rd & 5th Period, Th 2nd-4th Period.
Additionally, you are welcome to drop in any day other than Tuesday, but it is generally a good idea to call/email in advance.

Course Description: An in-depth study of wireless and cellular systems. This study includes system design, mobile radio propagation (large-scale path loss, small-scale fading, and multipath), and modulation techniques for mobile radio. A working knowledge of the characteristics of the three major cellular/PCS systems in use in the U.S. today is also developed. Technical discussions of recent topics/publications related to the course material are also conducted. Laboratory experiments emphasize indoor and outdoor RF propagation measurements. A final project is required in lieu of a final examination.

Absences: Students are responsible for all material covered in class, whether or not they are present. Students who are absent should make arrangements to obtain copies of the lecture notes from a classmate. Students will be expected to study the notes and the relevant sections of the textbook **prior** to requesting EI from the instructor. You must notify the instructor well in advance if you are going to be absent for any exam.

Announcements and Information: Students will be expected to access class resources via the Internet. A detailed course syllabus, assignments, homework solutions, grades, etc. will be posted on the main course website (www.usna.edu/EE/EE433) and on Blackboard.

Homework Assignments and Grading: Homework is assigned and due as specified on the Syllabus. Whether or not you attend class, you are responsible for turning in homework assignments on time. Late homework (defined as homework turned in after the end of the class period in which it is due) will not be accepted, except in the case of a valid excused absence (e.g., Precoms, SIQ, etc)! Students that know ahead of time that they will be missing a class period should contact the instructor as soon as possible prior to the homework due date. Homework sets will be graded in class as indicated on the syllabus, with the grading scale TBD.

Project Information: EE433, and the follow-on EE434, are both project-based classes. These projects are designed to provide you with the opportunity to study one or more aspects of wireless communications in significantly greater detail than will be covered in either the class or the textbook.

Section Leader: General duties as specified in the Department EE301 course policy statement (available on the course website). The section leader will also be responsible for providing a written report of attendance and keeping track of bonus points earned by midshipmen during the class period.

Honor Concept: The Honor Concept will be observed in this class. If there are any questions related to the Honor Concept and its applicability to any assigned work, please contact the instructor for clarification. Unless otherwise directed by the instructor, all graded work is expected to be the original work of the student or, in the case of authorized group assignments, the entire group. Giving or receiving unauthorized assistance on a graded assignment is a violation of the Honor Concept.

Mid-Semester Grade Weightings

6 Week Grade		12-Week Grade		16-Week Grade	
Exam 1	35%	Exam 1	25%	Exam 1	20%
6-Week Project	30%	12-Week Project	30%	Exam 2	20%
Milestones		Milestones			
Class Participation	15%	Project Status	15%	Class Participation	10%
		Report 1			
HW	20%	Class Participation	10%	HW	20%
		HW	20%	Project Status	15%
				Report 1	
				Project Status	15%
				Report 2	

Final Grade Weightings

Exam (Higher Score)	20%
Exam (Lower Score)	10%
Class Participation	10%
Homework	10%
Project	50%
• Project Proposal	5%
• Project Status Report 1	7.5%
• Project Status Report 2	7.5%
• Project Written Report	15%
• Project Presentation	15%