Instructor: Prof. J.K. Tugnait 302 Broun, 4-1846, tugnajk@eng.auburn.edu
Office Hours: TTh 10:30 – 11:50 AM, MWF 2:00 – 3:00 PM;
e-mail for appointment at other times.

Prerequisite: ELEC 3800.


Web Site: http://www.eng.auburn.edu/~tugnait/elec3400_05.html
All posted notes are in "microsoft windows journal file" format.

Grading Basis:
- Quizzes: 20 %
- Test I: 25 % (Feb. 25, 2005, Friday)
- Test II: 25 % (April 22, 2005, Friday)
- Final: 30 % (May 10, 2005, Tuesday, 11:00 AM)

Attendance Policy: Class attendance and participation is required. Unexcused absences from more than 3 class sessions will receive an F in the course. For an absence to be excused, the student must present an official excuse obtained from the Engineering Student Services Office in 104 Ramsay no later than 1 week after the absence. For more information, see the Academic regulations in the Tiger Cub.

Homework: will be assigned periodically, but will not be collected. Solutions to the homework problems will be discussed in class.

TEXT COVERAGE

- Chapter 2 (Signal & system analysis) – brief review
- Chapter 3 (Basic modulation techniques)
- Chapters 4 & 5 (Probability and random signals) – brief review
- Chapter 6 (Noise in modulation systems)
- Chapter 7 (Binary data transmission)
- Chapter 8 (Advanced data communications topics)

ELEC 3400. COMMUNICATION SYSTEMS (3). Lec. 3. Pr., ELEC 3800. Pulse code modulation, line coding, information rate, equalization, amplitude modulation, angle modulation, noise in communication systems.