ECE 332:202, Discrete Mathematics
Information Sheet and Syllabus
Spring 2007

- **Course Motivation:** Basic mathematical modeling is at the heart of engineering. In both electrical and computer engineering, many systems must be modeled using discrete formulations. This course will give students the foundations in discrete mathematics needed to model modern computer systems.

- **Course Specifics:**

  - Place and Time: TuTh 1:40-3:00PM, at EN-B120.

  - Instructor: Wade Trappe. Phone: x50611 . Office: CORE 523.
    Email: trappe@winlab.rutgers.edu. Office Hours are TuTh 3:30-4:30 pm.

  - TA: Yu (Sherry) Zhang and Shanmuga (Shyam) Sundaram. Teaching assistant office hours will be announced during the second week of class. It is HIGHLY recommended that you take advantage of these office hours in order to get more experience with the material covered in class.

- **Handouts and Materials:** All course related materials will be available at the course website www.winlab.rutgers.edu/~trappe/DiscreteMath_S07.html. Homework assignments will be posted on this website and announced in class.

- **Texts:** <u>Discrete Mathematics</u>, by Richard Johnsonbaugh, Prentice Hall, 2005.

- **Grading:** The grade for the class will be based upon homework, midterm exams, programming projects, and a term project.

  - Homework: (10%) There will be regular homework assignments. Students will have roughly 1 week to solve each homework set (the due date will be provided on the assignment). Some of the homework will require using MATLAB.

  - Midterms: (2 midterms at 20% each) Two midterms will be given. For each midterm, at least one week notice will be given in class to allow students to prepare. The exams are closed book– I do not believe in "note sheets" or any such crutches. Make certain to do the homework, and everything should be fine!

  - Small Computer Projects: (20% total) There will be two programming assignments throughout the course of the semester. The assignments will involve basic MATLAB programming. Students are encouraged to become familiar with the available computer labs by the second week of class.

  - Final Exam: (30%) There will be a final exam.