Mathematics 3012A
Applied Combinatorics
Summer Semester 2003

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1. **General Information.** This information sheet, as well as assignments and other course information, is posted at www.math.gatech.edu/~andrew.

Math 3012A meets at 10:40 – 11:500 on Mondays, Wednesdays, and Fridays. Professor Yu will teach the first half of the course. Professor Andrew will teach the second half of the course. Office hours will be Monday, Wednesday, and Friday from 9:30 - 10:30.

2. **Text and Material.** The text for this course is *Discrete and Combinatorial Mathematics*, by Ralph Grimaldi. Topics covered include counting principles (Chapter 1), induction and number theory (Chapter 4), relations and functions (Chapter 5), the principle of inclusion and exclusion (Chapter 8), generating functions (Chapter 9), recurrence relations (Chapter 10), introduction to graph theory and trees (Chapters 11 and 12). A more detailed course outline will be posted on the web.

3. **Homework and Tests**. Homework will be assigned and collected on Fridays, and a proper subset of each assignment will be graded. We strongly urge you to do all of the assigned problems. You may use computers and calculators on homework, but be sure to explain your work. There will be two hour tests and a final exam. Tentative dates for hour tests are

Hour Test 1	6 June
Hour Test 2	11 July

We discourage make-up exams. Make-up tests will be given only when authorized **in advance** by the instructor.

4. **Grading.** The hour tests, homework, and final examination will be counted with the following weights.

Hour Tests	50%
Homework	10%
Final Examination	40%

While letter grades will be based on a secret and mysterious formula, we will keep you informed of how you are doing.

5. Honor Code. Please review the Georgia Tech Honor Code. All examinations in this course are closed book. No notes may be used. You may discuss homework with each other, but we expect you to write your solutions yourself. The work you ultimately submit must be your own.

6. Exceptions to and changes in the above policies may be made at the discretion of the instructor(s).