

MATH 3012C Applied Combinatorics — 2005 Fall

Lecture MWF 12:05PM—12:55PM Skiles 268

General Information

Instructor	Sang-il Oum
Email	sangil@math.gatech.edu
Homepage	http://www.math.gatech.edu/~sangil/course/math3012/
Office	Skiles 106
Office Hours	M 4:30PM–5:30PM or by appointment.
Textbook	“Discrete and Combinatorial Mathematics”, 5th edition by Ralph Grimaldi.

This course will cover elementary techniques useful for discrete problem solving. These will include the pigeonhole principle, mathematical induction, counting methods, recurrence equations, graph theory, and related algorithms.

After successful completion of this course, you will be able to attack challenging problems by applying those techniques and, if they are solved, you will be able to write mathematically correct solutions.

Grading

Grading	10% Homework, 60% Three midterms (20% each), 30% Final.
Midterm Exams	Sep 16 (F), Oct 19 (W), Nov 14 (M)
Final Exam	Dec 14, Wednesday 2:50PM—5:40PM
	There will be no make-up exams. Exams will be “closed book”, “closed notes”. Calculators are not allowed in the exams. Don’t forget the Georgia Tech Academic Honor Code.
Homework	Homework will be given (mostly) weekly in class with the due date. The assignment is due at the beginning of class on the given due date. You may collaborate with other students. But homework should be written by yourself independently and you must understand your solution. Only samples will be graded.