

Mathematics 2602: Linear and Discrete Mathematics  
Section L, Spring 2012, Georgia Institute of Technology  
<http://www.math.gatech.edu/~margalit/classes/math2602>

### Professor

Prof. Margalit, Skiles 221, [margalit@math.gatech.edu](mailto:margalit@math.gatech.edu), (404) 894-2715.

### Class Meetings

Lectures are Tuesdays and Thursdays, from 3:05 until 4:25 pm in Clough Commons 152.

### Required Text

*Linear and Discrete Mathematics*, Special edition for the Georgia Institute of Technology.

### Office Hours

Tuesday 10-11:00, Wednesday 1-2:00, and by appointment.

### Clickers

This course will feature a clicker component (Turning Point). Students will be graded on participation.

### Homework and Quizzes

Homework will be assigned on the course web site. It will not be collected or graded. Quizzes will be given in section and will consist of problems similar to homework problems. The lowest quiz score will be dropped.

### Sections

	CRN	Classroom	TA	Email	Office	Office Hour
L1	20890	Skiles 270	Robert Krone	<a href="mailto:rkrone@math.gatech.edu">rkrone@math.gatech.edu</a>	Skiles 147	Wed 2-3
L2	20879	Skiles 170	Chun-Hung Liu	<a href="mailto:cliu87@math.gatech.edu">cliu87@math.gatech.edu</a>	Skiles 146A	Wed 4-5
L3	23240	Skiles 271	Jamie Conway	<a href="mailto:conway@math.gatech.edu">conway@math.gatech.edu</a>	Skiles 146B	Wed 2-3

Sections are held on Mondays and Wednesdays from 3:05 to 3:55 in the classroom listed above. You must go to your assigned section.

### Grading

Clickers 5%, Quizzes 10%, Best two Midterms 20% each, Final Exam 45%. There will be no makeups.

### Honor Code

All students are expected to abide by the student honor code: <http://www.honor.gatech.edu>

# Calendar and Syllabus

January 9 First day of class (section)	5.1 Induction	10	Quiz 0 (extra credit)	11	5.2 Recursive sequences	12	Last day to drop without a W	13
16 Martin Luther King Holiday	5.3 Recurrence relations	17	Quiz 1	18	5.4 Recurrence relations	19		20
Labor Day	8.1 Algorithms	24	Quiz 2	25	8.2 Complexity	26		27
30	6.1-6.3 Counting	31	February 1		<b>First Midterm</b>	2		3
6	7.1 Permutations	7	Quiz 3	8	7.2 Combinations	9		10
13	7.3 Probability	14	Quiz 4	15	7.4 Probability	16		17
20	7.5-7.6 Repetition, derangements	21	Quiz 5	22	7.7 Binomial theorem	23		24
27	9.1-9.3 Graphs	28		29	March 1			2
5	10.1-2 Euler/Hamilton cycles	6	Quiz 6	7	10.4 Shortest paths	8		9
12	12.1-2 Trees	13	Quiz 7	14	12.3 Minimal spanning trees	15		16
19 Spring Break	Spring Break	20	Spring Break	21	Spring Break	22	Spring Break	23
26	13.1 Planar graphs	27	Quiz 8	28	13.2 Coloring graphs	29		30
Apr 02	2.1-2 Solving linear systems	3		4	<b>Third Midterm</b>	5		6
9	7.1 Eigenvalues/vectors	10	Quiz 9	11	7.2 Diagonalization	12		13
16	7.2 Diagonalization	17	Quiz 10	18	II.1-2 Linear programming	19		20
23	II.3 Simplex method	24		25	II.3 Simplex method	26	Last day of class	27
30	May 1			2	<b>Final Exam</b> 11:30-2:20	3		4

*All dates are subject to change. Any changes will be announced in class and on the course web site.*