Course Syllabus

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Office Hours: Tues, Thurs from 2:00 – 2:30pm, after lecture, and by appointment.


Textbook: Linear and Discrete Mathematics/Custom Ed. from Prentice Hall (0-536-50344-3).

Course Description: “The basics of mathematical induction and recursively defined sequences; complexity and rates of growth; combinatorics, counting methods, and elementary probability; graph theory and graph algorithms; linear algebra; linear programming and the simplex method.”

Prerequisites: Math 2401: Calculus III (or equivalent).

Course Topics: See http://www.math.gatech.edu/course/math/2602.


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<tr>
<th>Number</th>
<th>CRN</th>
<th>Room</th>
<th>TA</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>L1</td>
<td>20895</td>
<td>Skiles 270</td>
<td>Robert Krone</td>
<td><a href="mailto:rkrone3@math.gatech.edu">rkrone3@math.gatech.edu</a></td>
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<td>Ning Tan</td>
<td><a href="mailto:ntan3@math.gatech.edu">ntan3@math.gatech.edu</a></td>
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<tr>
<td>L3</td>
<td>23301</td>
<td>Skiles 271</td>
<td>Henry Mei</td>
<td><a href="mailto:henry.mei@gatech.edu">henry.mei@gatech.edu</a></td>
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Grading Scheme: Grades will be calculated as the maximum of the following two schemes:

<table>
<thead>
<tr>
<th>Relative exam weights:</th>
<th>More midterm/less final</th>
<th>More final/less midterm</th>
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<tbody>
<tr>
<td>Final Exam</td>
<td>30%</td>
<td>50%</td>
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<tr>
<td>Midterm Exams</td>
<td>60% = 20% + 20% + 20%</td>
<td>40% = 20% + 20%</td>
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<tr>
<td></td>
<td>(all 3 exams)</td>
<td>(best 2 of 3 exams)</td>
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<tr>
<td>Quizzes</td>
<td>10%</td>
<td>10%</td>
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Grades will be assigned on the standard scale:

A 90 or higher  B 80 – 89  C 70 – 79  D 60 – 69  F Below 60

On an individual basis, significant improvement over the semester may be taken into account. The overall class distribution will also be carefully considered.

Final Exam: Cumulative, on Thursday, May 5th from 11:30am - 2:20pm in Howey L2.

Midterm Exams: Three in-class exams on Wednesday during section. The tentative dates are:

Midterm 1  February 2nd  Midterm 2  March 2nd  Midterm 3  April 6th

Exam dates will be confirmed at least a week in advance.
Quizzes: There will be a short quiz on Wednesdays in section, except for exam weeks. Problems on the quiz will be similar (but not necessarily identical!) to the recommended study problems, listed on the course webpage http://www.math.gatech.edu/~heitsch/2602l-sp11.html. The lowest quiz score will be dropped from the overall quiz average.

Attendance: Regular attendance in lecture and section is expected. Exceptions will be accommodated only for valid, documented reasons including (1) official representation of the Institute and (2) medical emergencies.

Makeups: No makeup exams or quizzes will be given.

Extra credit: There will be a few opportunities to earn extra credit over the course of the semester. Extra credit is due at the scheduled time, and late submissions will not be accepted. The total score for extra credit (as a percentage) can be used to replace one quiz score.

Exceptions: Anyone unable to meet the requirements of the class as stated must contact the instructors (both the professor and section TA) within the first two weeks of class.

Academic Integrity: Students are reminded of the obligations and expectations associated with the Georgia Tech Academic Honor Code and Student Code of Conduct, available online through the Office of Student Integrity (http://www.osi.gatech.edu/) and the Honor Advisory Council (http://www.honor.gatech.edu).

Any violations must be reported directly to the Dean of Students.

Additional problems: In addition to the suggested study problems, the book contains numerous other exercises. You are strongly encouraged to work through enough problems, on your own and/or with other students, to master the course material.

Additional Resources:

- T-Square — http://t-square.gatech.edu
- 2602L webpage — http://www.math.gatech.edu/~heitsch/2602l-sp11.html
- Math Lab – http://www.math.gatech.edu/academics/undergraduate/tutors-and-labs
- Other Campus Tutoring and Academic Services – http://www.successprograms.gatech.edu/academicsupport/index.php

Updates: This syllabus is subject to modification. Any changes will be announced in class and posted on the course website.