Syllabus
MATH 1502 A: Calculus II
Summer 2014
School of Mathematics
Georgia Institute of Technology
Lecture Meeting Times: M W F 10:40 – 11:50 am in Weber SST III room 1
Updated on May 23, 2014

Antonio Cicone
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Office Hours:
MW 12:00 – 1:00 pm
or by appointment.

Doron Lubinsky
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Office Hours:
MW 12:00 – 1:00 pm
or by appointment.

Teaching Assistants:

<table>
<thead>
<tr>
<th>Section</th>
<th>Name</th>
<th>E–mail</th>
<th>Recitation location</th>
<th>Office Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Rohan</td>
<td><a href="mailto:rghanta3@math.gatech.edu">rghanta3@math.gatech.edu</a></td>
<td>T Th 8:40–9:50 am, Skiles 156</td>
<td>T 9:50–10:50 am, Skiles 146A</td>
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<tr>
<td>A2</td>
<td>Ben</td>
<td><a href="mailto:bide3@math.gatech.edu">bide3@math.gatech.edu</a></td>
<td>T Th 8:40–9:50 am, Klaus 1456</td>
<td>M 12:30–1:30 pm, Skiles 153</td>
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Course Websites:

- Course Information – [https://t-square.gatech.edu](https://t-square.gatech.edu)
- Textbook/Homework Access – [www.mymathlab.com](http://www.mymathlab.com)

Textbooks:

- *Calculus: Early Transcendentals, 12th edition*, by George Thomas

**PLEASE NOTE**: Georgia Tech has a special code package which includes electronic version of both Lay textbook and Thomas Calculus textbook that you will need for Calculus III, and that grants access to the MyMathLab website [http://www.mymathlab.com](http://www.mymathlab.com) This code can only be purchased through either the campus Bookstores or directly from Pearson. **Codes purchased by other vendors will not work**! If you prefer to own a hardcopy of the text, the campus Bookstores offer other special code packages of MyMathLab combined with a loose-leaf or hardcover version of the Thomas and/or Lay textbook that is less expensive than purchasing the texts and code separately.

Course Content: We will discuss topics in chapters 8, 9, and 10 of Thomas’ book including convergence of integrals and infinite series, Taylor’s theorem, and elementary differential equations. We will also cover most of chapters 1 – 6 in Lay’s book including the solution of systems of linear equations, linear transformations, determinants, eigenvalues and eigenvectors, and least squares problems.

Course Organization: This course will consist of lectures meeting three times per week and recitations meeting twice per week.

Recitations: Recitations will be run in a partially flipped classroom environment: the TAs will expect that you have attended lecture and reviewed the textbook before class, and they will not lecture on the course material. Instead, you will spend the recitation time working on practice problems with the TA assistance. You will work through a review sheet based on the material covered during previous lectures.
Assessment: Homework Assignments due online every week, four Quizzes (the lowest Quiz will be dropped), four Midterm Tests (the lowest Midterm Test will be dropped) and the Final Exam.

Quizzes focus on material covered in the previous few lectures. Tests and the final are cumulative.

The final exam will be taken on **Wednesday, July 30 from 8:00 to 10:50 am.** No student should miss the final. All quizzes—tests—the final exam are not open – book (i.e. textbooks/notes are not allowed during them) and all tests contain problems similar to the homework assignments, therefore it is important that you work on homework problems.

Homework: Homework will be assigned on–line on *MyMathLab* (MML) at [http://www.mymathlab.com](http://www.mymathlab.com). Exercises will be due regularly every week No late homework will be accepted.

In order to register on MML, you will need the course id listed below.

*MyMathLab Course ID:* cicone12718

You may purchase a MML code from the bookstore, or on–line while registering at [http://www.mymathlab.com](http://www.mymathlab.com). MML comes with an entire electronic version of the textbooks; it is your choice if you would also like to own the textbooks in print. As mentioned before, if you prefer to own a hardcopy of the text, the campus Bookstores offer packages of MML combined with a loose-leaf or hardcover version of the Thomas and/or Lay textbook that is less expensive than purchasing the texts and code separately.

Important notes on MML:

- If you already have an account on MML using this combined textbook within the past 18 months, then you do not need to purchase a new code. Login to your account on MML, select the option to add a new course, and enter our course ID.

- If you already have a MML account that used either the Thomas or the Lay textbook in the past 18 months, but you were unable to add our course using the previous step, please send an email to gatechmath@yahoo.com and include the following information:
  - Your First and Last Name
  - The email address used to register for MML
  - Your Login ID for MML
  - The course ID (listed above) for Spring 2014

  You should receive a reply in 48–72 hours from the Pearson support team regarding your account status. In the meantime, you can access our course using the *temporary access* option when registering. Please do not pay for a new code until you receive a reply from Pearson.

- If you do not have a MML account using the Thomas or Lay textbooks, or if your account is over 18 months old, you will need to purchase a new code for our course. Please refer to the registration document, located in the *Resources* section on t-square, to create your new account [https://t-square.gatech.edu/access/content/group/gtc-bab1-cc43-5d7a-bf3f-59441b9a5b82/Student%20Registration%20Handout%20for%20cicone12718.pdf](https://t-square.gatech.edu/access/content/group/gtc-bab1-cc43-5d7a-bf3f-59441b9a5b82/Student%20Registration%20Handout%20for%20cicone12718.pdf).

Electronic Equipment: While you may need a scientific calculator for help with some of the homework problems, the use of calculators as well as cell phones, tablet, laptops etc. is NOT PERMITTED on quizzes, tests and the final exam.

Tentative Quizzes/Tests Schedule:

<table>
<thead>
<tr>
<th>Quiz 1</th>
<th>Thursday</th>
<th>May 22</th>
<th>Test 3</th>
<th>Thursday</th>
<th>July 3</th>
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</thead>
<tbody>
<tr>
<td>Test 1</td>
<td>Tuesday</td>
<td>June 3</td>
<td>Quiz 4</td>
<td>Thursday</td>
<td>July 10</td>
</tr>
<tr>
<td>Quiz 2</td>
<td>Thursday</td>
<td>June 12</td>
<td>Test 4</td>
<td>Thursday</td>
<td>July 17</td>
</tr>
<tr>
<td>Test 2</td>
<td>Thursday</td>
<td>June 19</td>
<td>Final Exam</td>
<td>Wednesday</td>
<td>July 30</td>
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<tr>
<td>Quiz 3</td>
<td>Thursday</td>
<td>June 26</td>
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Grading: Grades will consist of:
- 10% from Homework Assignments,
- 20% from the Quizzes (the lowest Quiz will be dropped),
- 45% from the Tests (the lowest Test will be dropped), and
- 25% from the Final Exam.

Grades will be assigned according roughly to the following scale:

90 – 100 A, 80 – 89 B, 70 – 79 C, 60 - 69 D, below 60 F

Policy on missed exams: Official written excuse required. No make – up Quizzes are given. If a Quiz is missed (with a valid excuse) the Quiz grade will be the average of the grades on the remaining quizzes (equally weighted). The only exception to this rule is for student athletes that have to miss a Quiz do to a competition. Only in this last case a make – up Quiz will be given. Student athletes should inform the instructor ahead of time of any team travel schedules that conflict with a scheduled Quiz. The lowest Quiz will be dropped.

Make – up midterm tests and the final may be given only in case of an excused absence (e.g. a documented medical excuse or letter from the Dean of students). Student athletes should inform the instructor ahead of time of any team travel schedules that conflict with a scheduled Test.

Missing a Quiz, Test, or the Final without a valid excuse will result in a “0” score for that test.

There is no make – up Homework, if you do not submit a Homework Assignment by the due date it will result in a score of 0 for the assignment.

Regrading papers: If you find a grading error on a quiz or test, you must submit a regrade request in writing directly to the Instructor (not your TA), along with your paper, no more than one week after the test or quiz has been returned.

Class Policies: You are expected to attend class, to arrive on time, to stay until the lecture is over. It is in your interest to pay attention during lectures.

Students with Disabilities and/or in need of Special Accommodations: Georgia Tech complies with the regulations of the Americans with Disabilities Act of 1990 and offers accommodations to students with disabilities. If you are in need of classroom or testing accommodations, please make an appointment with the ADAPTS office to discuss the appropriate procedures. More information is available on their website, [http://www.adapts.gatech.edu](http://www.adapts.gatech.edu) Please also make an appointment with the Instructor to discuss your accommodation, if necessary.

Academic Honesty: Each student in this course is expected to abide by the Georgia Tech Honor Code [http://www.honor.gatech.edu](http://www.honor.gatech.edu) Any evidence of Honor code violations will be reported.

Extra Help: The Math Lab is located in Clough Commons, Room 280. For more information: [http://www.math.gatech.edu/academics/undergraduate/tutors-and-labs](http://www.math.gatech.edu/academics/undergraduate/tutors-and-labs)

For 1–to–1 Tutoring or other Campus Tutoring and Academic Services: [http://www.successprograms.gatech.edu/tutoring](http://www.successprograms.gatech.edu/tutoring)