Syllabus

MATH 1522 D: Introduction to Linear Algebra for Calculus

Fall 2013

T Th 9:35 am – 10:55 am Skiles 249

School of Mathematics
Georgia Institute of Technology

Instructor:
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Phone: (404) 894 – 9458

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Office Hours: T Th 11:00 am – 12:00 pm or by appointment.


PLEASE NOTE: Georgia Tech has a special code package which includes 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 This code can only be purchased through the campus Bookstores or directly from Pearson. Codes purchased by other vendors will not work! Possible ISBNs for this text are: 1269416588, 1269415840, or 1256954721.

Course Content: We will cover most of chapters 1 – 6 including eigenvalues and eigenvectors, applications to linear systems, and least squares problems.

Homework: We will be utilizing MyMathLab (MML) for homework through a joint code for the Thomas Calculus text and the Lay Linear Algebra text.

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

MyMathLab Course ID: cicone63788

MyMathLab comes with an entire electronic version of the textbook; it is your choice if you would also like to own the textbook in print. You may purchase a MyMathLab code from the bookstore, or on-line while registering at http://www.mymathlab.com. If you prefer to own a hardcopy of the text, the bookstore offers packages of MyMathLab combined with a loose-leaf or hardcover version of the Thomas textbook that is less expensive than purchasing the text and code separately.

Important notes on MML:

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

• If you already have a MyMathLab 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 Fall 2013

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 MyMathLab 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/87676.201308/MyMathLab_Student_Registration_Handout_for_cicone63788.pdf.

Assessment: There will be 25 Homework Assignments, 4 Quizzes, 3 Midterm tests 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 Thursday December 12th from 8:00 am to 10:50 am. No student should miss the final.

All quizzes–tests–the final exam are not open – booked (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.

Electronic Equipment: 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>
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<tr>
<th>Quiz 1 Thursday August 29</th>
<th>Quiz 3 Tuesday October 22</th>
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<tr>
<td>Test 1 Tuesday September 10</td>
<td>Test 3 Tuesday November 5</td>
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<tr>
<td>Quiz 2 Tuesday September 24</td>
<td>Quiz 4 Tuesday November 19</td>
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<tr>
<td>Test 2 Tuesday October 8</td>
<td>Final Exam Thursday December 12</td>
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Grading: Grades will consist of 10% from Homework Assignments, 20% from Quizzes, 15% from each Test 1–3, and 25% from the Final Exam. Grades will be assigned according to the following scale:

91 – 100 A, 81 – 90 B, 71 – 80 C, 61 - 70 D, 60 and below F

Borderline Cases: If your percentage is near a border line, it will be handled individually with the consideration of other factors such as attendance, study effort, classroom contributions, performance over time, clarity of quizzes, midterms and the final exam. Note that your grade could be either up or down by these considerations.

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).

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 tests.

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. The two lowest homework assignments will be dropped.

Regrading papers: If you find a grading error on a quiz or test, you must submit a regrade request in writing, 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.

Academic Honesty: Each student in this course is expected to abide by the Georgia Tech Honor Code 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