

The Georgia Institute of Technology  
Fall 2015  
MATH 2552 – Differential Equations  
Sections F1 – F4; L1 – L4.

**Sections F1 – F4:**

**Lecture:** TR 12:05 – 1:25  
College of Computing 16

**Recitation:** MW 12:05 – 12:55

**F1:** Skiles 268

**F2:** Skiles 171

**F3:** Skiles 256

**F4:** Skiles 170

**Sections L1 – L4:**

**Lecture:** TR 3:05 – 3:55  
Howey L2

**Recitation:** MW 3:05 – 3:55

**L1:** Skiles 171

**L2:** Skiles 257

**L3:** Skiles 168

**L4:** Skiles 170

**Course webpage:** <http://people.math.gatech.edu/~iholmes6/F15Math2552FL.html>

**Instructor:** Irina Holmes

- Email: [irina.holmes@math.gatech.edu](mailto:irina.holmes@math.gatech.edu)
- Office: Skiles 017
- Office Hours: TR 1:45 – 2:45, or by appointment.

**Textbook:** *“Differential Equations: An Introduction to Modern Methods and Applications”*  
James R. Brannan and William E. Boyce, Wiley, Third Edition.

**Teaching Assistants:**

**F1:** Ankit Dhal

- Email: [ankitdhal1810@gmail.com](mailto:ankitdhal1810@gmail.com)
- Office: Skiles 230
- Office Hours: F 11am – 12pm

**F2:** Sergio Mayorga

- Email: [smayorga3@math.gatech.edu](mailto:smayorga3@math.gatech.edu)
- Office: Skiles 167
- Office Hours: T 4 – 5pm

**F3:** Benjamin Ide

- Email: [bide3@math.gatech.edu](mailto:bide3@math.gatech.edu)
- Office: Skiles 153
- Office Hours: M 1 – 2pm

**F4:** Hagop Tossounian

- Email: [htossounian3@gatech.edu](mailto:htossounian3@gatech.edu)
- Office: Skiles 145
- Office Hours: F 12 – 1, 3 – 4pm

**L1:** Anushri Dixit

- Email: [adixit31@gatech.edu](mailto:adixit31@gatech.edu)
- Office: Skiles 230
- Office Hours: T 12:30 – 1:30pm

**L2:** Xin Wang

- Email: [xwang320@math.gatech.edu](mailto:xwang320@math.gatech.edu)
- Office: Skiles 138A
- Office Hours: M 4 – 5pm

**L3:** Jared Kleinwaechter

- Email: [jjk3@gatech.edu](mailto:jjk3@gatech.edu)
- Office: Skiles 230
- Office Hours: M 12 – 1pm; W 2 – 3pm

**L4:** Haiyu Zou

- Email: [hzou6@math.gatech.edu](mailto:hzou6@math.gatech.edu)
- Office: Skiles 146A
- Office Hours: M 2 – 3pm

**Description:** Math 2552 is an introduction to differential equations, with a focus on ordinary differential equations (ODE) and applications. Topics include: First and Second Order ODEs, Systems of ODEs, the Laplace Transform, Nonlinear ODEs and Stability. We will roughly cover Chapters 1 through 7 of the textbook.

**Attendance:** Attendance is required for all lectures. The student who misses a class meeting is responsible for any assignments and/or announcements made. Office hours will not be utilized to re-teach material presented in class. However, questions to better understand the course are always welcome.

**Homework and Quizzes:** Homework will be assigned every week, but will not be collected or graded. However, there will also be a weekly quiz, which will cover the homework assigned in the previous week. All quizzes will take place in the last 20 minutes of recitation on Wednesdays, and there will be a total of 12 quizzes.

**Exams:** There will be two midterm exams and a comprehensive final exam. **All midterm exams will be given during recitation, in the room where your recitation regularly meets.**

(Tentative) Exam Dates:

**Exam 1:** Wednesday, September 23<sup>rd</sup>

**Exam 2:** Wednesday, November 4<sup>th</sup>

**Final Exam:** In the regular lecture room

**F1 – F4:** Tuesday, December 8<sup>th</sup>, 11:30am – 2:20pm, CoC 16.

**L1 – L4:** Thursday, December 10<sup>th</sup>, 11:30am – 2:20pm, Howey L2.

#### **Exam/Quiz Rules:**

- There are no calculators allowed during exams or quizzes.
- All exams and quizzes are closed notes, books, etc.
- No credit will be given on tests for a correct answer without the intermediate steps.
- **Make-Up Policy:** There will be no opportunities for make-up tests after the fact. **In the event of an absence due to travel representing Georgia Tech, such as an intercollegiate sports competition, you must notify the professor at least two weeks in advance to arrange an early test or other alternative.** Otherwise, such absences will be treated as personal.
- **Regrade Policy:** The mid-term exams will be returned to you by your TA during recitation. There will then be a 20-30 minute period during recitation when the class will be able to discuss the solutions of the exam with the TA. If, after viewing the solutions and the grading scheme, you believe a problem or more should be regraded, you must leave your exam with the TA, along with the numbers of the problems you want regraded. Your TA will return your exam and request to the professor. The moment you leave the recitation room with your exam, you can no longer ask for regarding of any part of that exam.

**Learning Disabilities:** It is the right of any student with a certified learning disability to request necessary accommodation. Such requests must be made well in advance of the time that the accommodation is required and a letter of documentation from the [ADAPTS](#) office must be presented at the time of any request.

**Academic Honesty:** It is expected that all students are aware of their individual responsibilities under the [Georgia Tech Academic Honor Code](#), which will be strictly adhered to in this class. Any violations must be reported directly to the Dean of Students.

**Additional Resources:** In addition to the textbook, lectures, and office hours there are other resources available that might be of use for you during the course. All Georgia Tech students are eligible for 1-to-1 tutoring, see the website associated with the [Office of Success Programs](#). There is also the [Math Lab](#) in the School of Mathematics where tutoring services are provided.

**Grades:** Grades will be based on quizzes, midterm exams, and the final exam. Course grades will be assigned from the *maximum* of the following formulas:

	Method 1	Method 2	Method 3
Quizzes	30%	25%	35%
Midterms	40%	35%	35%
Final Exam	30%	40%	30%

The usual ten-point scale will be used (A: 90 – 100, B: 80 – 89, C: 70 – 79, D: 60 – 69, F: 0 – 59), however, if necessary, adjustments will be made to arrive at a standard grade distribution for the course. Two quiz grades will be dropped when computing your grade, and this is the only mechanism for coping with personal events such as an illness and family emergencies.

**Important Dates for Fall 2015:**

8/21	Register / Change Schedule Deadline
8/24	Fee Payment Deadline
9/7	Labor Day (no recitation)
9/25	Progress Report Deadline
10/12 – 10/13	Fall Break (no recitation Monday, no lecture Tuesday)
10/25	Withdrawal Deadline
11/25 – 11/27	Thanksgiving Break (no class Wednesday, no recitation Thursday)
12/4	Last Day of Classes
12/6 – 12/12	Finals Week

For more important dates for this course, make sure to regularly check the course website. **Make sure you refresh this website every time you visit, as it will be regularly updated!**