Instructor: Fangxu “Frank” Jing

Contact: jing at math.gatech.edu (preferred), Skiles 017, 404-894-9426

Office Hours: TTh 17:00 - 18:00, Skiles 017

Course website: T-Square

TA:
Arash Asadi (L1 & PLP), aasadi at math.gatech.edu, Skiles 139
   Recitation: MW 15:05 - 15:55, Skiles 168
   Office hour: T 16:30 - 17:30, Skiles 139
Dawei He (L2), dhe9 at math.gatech.edu, Skiles 149
   Recitation: MW 15:05 - 15:55, Skiles 246
   Office hour: M 16:00 - 17:00, Skiles 149
Tianjun Ye (L3), maolilan at math.gatech.edu, Skiles 225A
   Recitation: MW 15:05 - 15:55, Skiles 249
   Office hour: MW 14:00 - 15:00, Skiles 225A


Topics:

   Introduction ................................................... ~ 1 classes
   First order differential equations ...................... ~ 3 classes
   Systems of two first order differential equations ........~ 9 classes
   Second order differential equations ................. ~ 8 classes
   Laplace transform ...........................................~ 7 classes

Homework: All homework will be assigned at the end of lectures and then the problems with solution will be put on website. Homework will NOT be collected (hence NOT required), though some problems in the quizzes or exams will be chosen from assigned homework with possible tweaks. You may discuss the homework problems with other students, but you are encouraged to complete the homework independently. Some of the problems will be discussed in the recitation sessions.

Quiz: The quizzes will be given and collected in recitation sessions. Each quiz will have 2 to 3 problems, and require roughly 40 minutes to complete. Quizzes are open-book and open-notes. They will be announced on the morning of the day it is given via email.
Exam: The final will be on May 3 from 11:30 AM - 2:20 PM. The two midterms will be 80 minutes, given in lecture time (2/14 and 3/27). All exams are close-book and close-notes. You will be allowed to bring an A4 crib sheet with anything you want written on it (both sides). Exam solutions should be written in ink and final answers should be circled with no correction inside.

Grading policy: Homework (0%), roughly 10 quizzes with equal strengths, best 8 will be counted (3% each), 2 midterms (20% each), final (36%).

The letter grade will be based on the total score in a curved fashion with the following exception: total score 90/100 or above will always be an A; total score 60/100 or above will always be at least a C.

Any request of grading review must be submitted within 7 days of return of quiz/exam. There will be no make-up for a missed quiz. No make-up will be given for a missed exam, except under provable impossibility to attend the exam (will be verified by Dean of Students).

Academic honesty: Please review the Georgia Tech Honor Code:
http://www.honor.gatech.edu/plugins/content/index.php?id=9

Laptops: Laptops may not be used in lecture unless it is for viewing electric version of textbook.

Calculators: Scientific calculators will be allowed throughout the semester. Graphic calculators are NOT allowed unless authorized by TA or instructor.

Participation: Attendance in class is mandatory. Please don’t arrive late to classes.

Learning disabilities: Any students with learning disabilities should contact the instructor by email during the first week of classes.