

Syllabus for Math 308

Differential Equations

Fall 2009

Sections 505 and 513

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Office: Milner 223

Office hours: Office hours: Tuesday 11:00–12:00 and Wednesday 2:00–3:00 PM or by appointment.

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Class hours:

Section 505: TR 9:35–10:50 AM BLOC 128

Section 513: TR 2:20–3:35 PM BLOC 128

MATH 308 web page: The web page of the course is

<http://www.math.tamu.edu/~nekrash/teaching/09F/M308.html>

The Mathematics Department has a web page for Math 251. Its URL address is

<http://calclab.math.tamu.edu/docs/math308/>

You can find there: Weekly schedule of the course, suggested homework problems, math department computer help, help session schedule and other information.

Text. J. R. Brannan and W. E. Boyce, *Differential Equations: An Introduction to Modern Methods & Applications* John Wiley & Sons, Inc, ISBN-13 978-0-471-65141-3.

I will provide handouts with introduction to MatLab. The following book might be helpful:

J. C. Polking, D. Arnold *Ordinary Differential Equations using MATLAB*, Pearson, ISBN 0-13-145679-2.

A personal copy of MatLab is useful, but not necessary, since you will be able to work remotely on Calclab computers.

Topics covered. This is a course in differential equations. Topics include linear ordinary differential equations and systems of linear differential equations, second order linear equations, solutions using Laplace transforms, numerical methods.

Grading. Your grade will be determined by homework, two midterm exams and a *cumulative* final exam. The weights of each of these are as follows.

Section	Homework	Exam I	Exam II	Final Exam	Total
	20 pt	25 pt	25 pt	30 pt	100
505	weekly	Sept. 29	Nov. 3	Dec. 11 12:30-2:30 p.m.	
513	weekly	Sept. 29	Nov. 3	Dec. 16 1-3 p.m.	

I may curve any grade and will then compute the course grade by the following rule: *A* for at least 90 points, *B* for at least 80 points, *C* for at least 70 points, *D* for at least 60 points and *F* for less than 60 points.

Make-up policy: Make-ups for missed quizzes and exams will only be allowed for a university approved excuse in writing. Wherever possible, students should inform the instructor before an exam or quiz is missed. Consistent with University Student Rules, students are required to notify an instructor by the end of the next working day after missing an exam or quiz. Otherwise, they forfeit their rights to a make-up.

Scholastic dishonesty: Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty, see University Student Rules.

Remember the Aggie Code of Honor: *“An Aggie does not lie, cheat, or steal or tolerate those who do.”*

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