Mathematics 212
Differential Equations
Spring 1993

Textbook. Boyce and DiPrima, Elementary Differential Equations, Fifth Edition

Instructor: William P. McKibben
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Regular Office Hours (generally in office - no appointments):
Mondays 3:30-5:00 p.m.
Tuesdays 10:30-11:30 a.m. and 1:30-3:00 p.m.
Wednesdays 1:30-3:30 p.m.
Thursdays 10:30-11:30 a.m. and 3:30-4:30 p.m.
Fridays 1:00-2:00 p.m.

Course Content. Mathematics 212 is an introductory course in ordinary differential equations: solution techniques and applications. The course material, corresponding sections of the textbooks and approximate dates of coverage are as follows:

1. Introductory concepts; First-order equations and applications	Chapters 1,2	Jan. 13- Feb. 5
2. Second-order linear equations; Higher-order equations; Applications	Chapters 3,4	Feb. 8- Feb. 26
3. Series solutions of second-order equations	Chapter 5	March 1- March 24
4. Systems of first-order equations and applications	Chapter 7	March 26- April 21

Home Problem Assignments. Assignments, each consisting of a few problems, will be made. Such assignments will be due at class time on the next class day. In doing these assignments, any books and the student's own notes may be used, but no persons may be consulted.

Tests. There will be three tests, to be given with at least one week's notice. These tests will consist of both open-book and closed-book parts.

Final Examination. There will be a cumulative, open-book final examination, given in class.

Grading. The final course grade will be determined as follows:

Home Prob. Assts. (best 10 @ 25 points)	250 points
Tests (three @ 125 points)	375 points
Final Exam	175 points
	800 points

In general, letter grades will be determined as follows:

A	744 or more points	B+	696 to 719 points
A-	720 to 743 points	B	664 to 695 points
		B-	640 to 663 points
C+	616 to 639 points	D+	536 to 559 points
C	584 to 615 points	D	480 to 535points
C-	560 to 583points		

F fewer than 480 points

Honor Code: The Honor Code of Oxford College applies to all work submitted for credit in this course, and all such work will be pledged to be that and only that of the individual student submitting the work.

Homework: Problem assignments from the textbook and handouts are for the student's benefit and will not be collected. It is important, however, that the student complete most of the problems assigned. Homework assignments for the next class will be given at the beginning each class.