Mathematics 2233– Differential Equations, Section 003
Fall 2010
MWF 1:30– 2:20 in MSCS 422

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Office Hours: 11:45–1:00 Wednesday; 11:45–1:00 Friday; and by appointment.
Text: *Elementary Differential Equations and Boundary Value Problems*,
by Boyce and DiPrima, 9th edition
Website: `http://www.math.okstate.edu/~horja/classes/math2233`

Exams. There will be three midterm in-class exams, which are tentatively scheduled for the weeks of September 20, October 18 and November 15. The midterm exams may be rescheduled to slightly different dates. The final exam will take place on Monday, December 13 from 2:00 to 3:50 pm. No make-up midterm or final exams will be given, and only written official university excuses will be accepted as reasons for missing an exam. In–class quizzes may be given on selected days. They will be announced in class in advance.

Homework. Homework will be assigned weekly and will usually be due on Monday in class. *No late homework will be accepted!* I will also suggest you attempt a number of other problems in each section, which you need not turn in. There is an optional Student Solutions Manual that some students may find helpful.

Attendance and Grading. Attendance of lectures is mandatory. Your grade will be based on homework and quizzes, the midterm exams and the final exam. Homework and quizzes will count for 20% of your final grade, each midterm will count for 15%, and the final exam will count for 35%. An overall score of at least 90% will receive an A, a score of at least 80% will guarantee a B, a score of at least 70% will guarantee a C, while getting at least 60% will ensure passing. Depending on the score distribution, these cutoffs may be lowered. Some discretion may be used in deciding borderline cases.

Topics to be covered. This semester we will cover chapters 1-6 of the text along with some supplementary material as time permits.

Academic Dishonesty. Oklahoma State University Academic Integrity Policy states in part: "Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned."

Calculators. Use of calculators will be permitted on homework, but **not** on tests or quizzes. You may borrow a graphing calculator from the Math Department, if you do not own one.

OSU Syllabus Attachment. For general university policies and important dates see:
`http://osu.okstate.edu/acadaffr/aa/syllabusattachment-Fall.htm`

Syllabus for Mathematics 2233– Differential Equations, 3 credits

MWF schedule

Topics based on: *Elementary Differential Equations and Boundary Value Problems*, by Boyce and DiPrima, 9th edition

	Week	Sections	Exams/Comments
1	8/23– 8/27	1.1, 1.2, 1.3	
2	8/30– 9/3	2.1, 2.2	
3	9/6– 9/10	2.4, 2.5	Labor Day Holiday
4	9/13- 9/17	2.6, 3.1, 3.2	
5	9/20– 9/24	3.3	Review and Exam 1
6	9/27– 10/1	3.4, 3.5, 3.6	
7	10/4– 10/8	3.7, 3.8, 4.1	
8	10/11– 10/15	4.2, 4.3	Fall Break
9	10/18– 10/22	5.1	Review and Exam 2
10	10/25– 10/29	5.2, 5.3	
11	11/1– 11/5	5.4, 6.1	
12	11/8– 11/12	6.2, 6.3	
13	11/15– 11/19	6.4	Review and Exam 3
14	11/22– 11/26	6.5	Thanksgiving Break
15	11/29– 12/3	6.6	
16	12/6– 12/10		Review for Final Exam