

Elementary Differential Equations

Math 376, Fall 2009

11:00-11:50 MWF Bouillon 106

Instructor: Dr. Fassett

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Office Hours:

Text: Differential Equations, Third Edition, by Blanchard, Devaney, and Hall.

Course description: This course is the first in a sequence of two courses on differential equations. The presentation is a departure from the typical “cookbook” analytic presentation. Throughout the course we will consider analytic, qualitative, and numerical techniques for studying solutions of ordinary differential equations. The text chosen is innovative and includes contemporary topics from dynamical systems.

Course Goals: Upon successful completion of the course, the student will be able to utilize analytic, qualitative, and numerical techniques to find and analyze solutions of ordinary differential equations. Students will also be able to make use of the *DE Tools* software to work labs, homework, and exam questions.

Course Policies:

Attendance: Daily attendance is expected and considered necessary for success. It is your responsibility to find out what was covered on days you are absent. Please bring the text to each class meeting. You are responsible for any announcements made during class regarding course schedule, homework, and exams.

Homework/Labs: Homework will be assigned and selected problems will be collected for grading. In addition, at least one lab will be turned in for grading. Graded homework/labs will be worth 50% of the course grade. As the assigned problems will form the basis for exams, it is to your advantage (and responsibility) to keep up with the homework.

Exams: There will be one midterm exam and a comprehensive final exam. Each exam will be worth 25% of the course grade.

Course Grade:	Homework/Labs	50%
	Midterm Exam	25%
	Comprehensive Final	25%

Course grades will be assigned based upon the following scale:

100-93% = A	79.9-77% = C+	below 60% = F
92.9-90% = A-	76.9-73% = C	
89.9-87% = B+	72.9-70% = C-	
86.9-83% = B	69.9-67% = D+	
82.9-80% = B-	66.9-63% = D	
	62.9-60% = D-	

I reserve the right to adjust the above scale (in the student’s favor) if deemed appropriate.

Students with special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact the Director of Disability Support Services at 963-2171 (TTD 963-2143).