Math 2410-005 Spring 2010

Elementary Differential Equations

Text: **Differential Equations** , 3^{rd} edition, by Blanchard/Devaney/Hall, Brooks/Cole.
*Outline:*We will study the linear differential equation of first and second order derived from physics and engineering. You will learn some basic methods and techniques to find the exact solutions of some type of differential equations.

Time	TuTh 11:00-12:15
Place:	MSB 215
Dr.	Pengwen Chen
Office	MSB 218, 486-3595
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Office hrs	TuTh 10:20-10:50 am, 1:20-1:50, 3:20-3:50 pm, and by appointment at least 24 hours ago.

Grading: Two mid-term exams 25%,25%; final exam 35%; Hw, quizzes 15%.

Exams: Mid-terms Th 2/18 and 04/01; Final exam 05/04, 10:30-12:30am. Midterm 1 covers section $1.1 - 1.9$. Midterm 2 covers section $2.1 - 2.4, 3.1 - 3.5$

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Week	Dates	Content	Notes
1	01/19-01/22	1.1-1.3	
2	01/25-01/29	1.4, 1.5	Q1
3	02/01-02/05	1.6, 1.7	M: last day to drop without W.
4	02/08-02/12	1.8, 1.9	
5	02/15-02/19	Exam I	
6	02/22-02/26	2.1-2.3	
7	03/01-03/05	2.4, 3.1, 3.2	
8	03/08-03/12	–	Spring recession
9	03/15-03/19	3.3,3.4	Q2
10	03/22-03/26	3.5	
11	03/29-04/02	Exam II	M: Last day to drop.
12	04/05-04/09	3.6, 6.1	
12	04/12-04/16	6.2, 6.3	
13	04/19-04/23	5.1, 5.2	Q3
14	04/26-04/30	Hw discuss, Review	

Notes

- Makeup exams will only be given in extreme cases such as a true emergency or illness with some proper document.