Math 225 – Linear Algebra and Differential Equations (Fall 2011)

Lecture: MWF 10am-10:50am in THH 116
Discussion: TuTh 9am; 10am; 11am VHE 210
Instructor: Jason Fulman
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Contact info: email (best way to contact): fulman@usc.edu
Phone: 213-821-2218
Office hours: Mon. 3-4, Wed. 2-3 and Fri. 1-2


Teaching assistant name and office hours: TBA

Course Content:

Ch.2 Matrices/Linear Equations Sections 2.1-2.6
Ch.3 Determinants Sections 3.3,3.4
Ch.4 Vector Spaces Sections 4.1-4.7
Ch.5 Transformations/Eigenvalue Sections 5.1, 5.3-5.7
Ch.1 First order differential equations Sections 1.2,1.6
Ch.6 nth order differential equations Sections 6.1-6.4
Ch.7 Systems of linear differential equations Sections 7.1-7.7

Grading: Homework quizzes: 10%
         Midterm 1: 25%
         Midterm 2: 25%
         Final: 40%

Homework: Suggested homework problems will be posted on the course website http://www-bcf.usc.edu/~fulman/math225_2011.html weekly. These problems will be assigned but not collected.

Homework Quizzes: A quiz will be given each week on Thursday, except for the first week of class, and for the two weeks when midterms are held. The quiz problems will be similar to homework problems assigned in the previous week. The lowest two quizzes will be dropped. There will be no makeup quizzes.

Midterm Exams: There will be two midterm exams, Monday, October 3 (exam 1) and Wednesday, November 16 (exam 2) in the regular classroom during the regular meeting time. There will be no makeup exams.

Final Exam: The final exam is comprehensive and will be held at the time specified in the University Schedule of classes: Monday, December 12, 8-10am, location to be announced. No makeup exams will be given.