

Mathematical Methods for Physical Sciences II

Math 20100: Section 11

Winter 2016

Instructor: William Feldman

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Course Webpage: www.math.uchicago.edu/~feldman/teaching.html

Class: MWF 8:30-9:20am, Eckhart 203

Office Hours: M 2:30-3:30pm, T 5:00-6:00pm (subject to change) or by appointment.

Problem Session: TBA

Texts: *Elementary Differential Equations and Boundary Value Problems*, 10th edition, William E. Boyce and Richard C. DiPrima.

Complex Variables: Second Edition, Stephen D. Fisher.

General Policy: There will be one in-class hour test and a final exam. Homework will be assigned weekly on Fridays and due the next Friday in class. Late homework will not be accepted. You may of course collaborate on the homework assignments, but you should write up the solutions independently. The coursework will be weighted as follows in the final grade:

Hour Test: 30%

Final Exam: 50%

Homework: 20%

Important dates:

Hour Test: In class on Wednesday, February 10 (Week 6)

Final Exam: Monday, March 14, 8-10am.

Important Notice:

It is the policy of the Department of Mathematics that the following rules apply to final exams in all undergraduate mathematics courses:

1. *The final exam must occur at the time and place designated on the College Final Exam Schedule. In particular, no final examinations may be given during the tenth week of the quarter, except in the case of graduating seniors.*
2. *Instructors are not permitted to excuse students from the scheduled time of the final exam except in the cases of an Incomplete.*

Tentative Course Outline:

Week 1-5: Boyce and DiPrima, Chapters 1-5

Week 6-9: Fisher, Chapters 1-2

Week 9-10: Boyce and DiPrima, Chapter 6