

Math302(2)

Introduction to Differential Equations I

Time and location: TR 12:00-1:15pm, Keller 303

Book: Elementary Differential Equations and Boundary Value Problems (Authors: W.E. Boyce, R.C. DiPrima)

Instructor: Monique Chyba, mchyba@math.hawaii.edu

Office: Keller 311, 956-8464

Office hours: TR 10:30am-11:30am, by appointment

In this class we will cover the following topics: Chapter 1 (Introduction to differential equations), Chapter 2 (First order differential equations), Applications (population growth, falling bodies), Chapter 4 (Higher order differential equations), Applications of second order (some of Chapter 3), Euler Equations (Section 5.5), Chapter 6 (Laplace Transform).

Homeworks

Homeworks will be assigned in class and collected on Thursdays at the beginning of the class. No late homework will be accepted unless some exceptional reasons occurred. Jody Storm is a grader for this class, e-mail: jody@math.hawaii.edu. Office hours MW 1:00-2:00pm, Keller 403C.

Exams

Midterms:

1. February 16, 2006 Thursday 12:00-1:15pm
2. April 6, 2006 Thursday 12:00-1:15pm

Final: May 11, 2006 Thursday 12:00-2:00pm

Grading policy (in percentage)

Final 40, Midterms 30, Homeworks 30

Academic expectations

For a detailed discussion of what to expect from this course please consult the web page

<http://www.math.hawaii.edu/~dale/Expectations.html>

Pay careful attention to items 3 and 5 of this document. It is very important that you attend the lectures. I may cover material that is not in the book and give additional examples and exercises. Please feel free to speak up if there is any ambiguities about the expectations, do not wait the last day of class.

The instructor reserves the right to modify the syllabus at any time. All changes and additional information will be given in class.