MATH 331, Fall 2008 Differential Equations TTh 1:00-2:15pm, 51 Goessmann

Instructor: Hans Johnston, 1526 LGRT, 545-2817, johnston@math.umass.edu

Office Hours: TBA

Text: Elementary Differential Equations (8th edition), Boyce & DiPrima (Wiley)

Course Web page: www.math.umass.edu/~johnston/M331f08.html

Course Outline: The course is an introduction to ordinary differential equations. We will cover first and second order linear differential equations, systems of linear differential equations, Laplace transforms, numerical methods, and applications.

Grading policy:

homework (20%), quizzes (20%), midterm exam (30%) and final exam (30%).

Homework and quizzes will be given weekly.

Homework: Assignments will be given every week in two forms. The first is using an online homework system, WeBWork, which can be found at

webwork.math.umass.edu/webwork2

There will be an in-class demonstration of using WebWork after the first homework is assigned. The second portion of homework will be problems from the book, which will not be collected.

Teaching Assistants: There are two teaching assistants that are common for the 3 sections of Math 331 being taught this term. Their office hours will be posted on the course webpage as soon as they are determined.