Math 320: Elementary Differential Equations (Spring, 2005)

**Instructor:** Professor W. Huang, 637 Snow Hall, (785) 864-3651

**Office hours:** 2:30 – 3:30 PM, Tuesday and Thursday

**E-mail:** huang@math.ku.edu

**Web:** www.math.ku.edu/~huang

**Prerequisite:** 15 credit hours on Calculus.

**Text:** Our textbook is W. E. Boyce and R. C. DiPrima’s *Elementary differential equations* (John Wiley & Sons, Inc. 8th edition, 2005). We will cover most parts of Chapters 1 – 8 except 5.

**Grading:**

- Computer Projects: 10%
- Homework: 20%
- 2 midterm exams (15% and 20%, resp.): 35%
- Final exam: 35%

**Information and regulations:**

1. Class meeting: 1:00 – 2:20 PM, Tuesday and Thursday, Room 454 Snow Hall.

2. Homework. Homework will be assigned in every class meeting and collected every Thursday in class. **Sorry, no late papers will be accepted.** Not all problems assigned will be graded.

3. Computer projects. There will be about 4 computer projects. On each project you may work in a group of (at most) three persons, with only one project report being turned in. You will need to use the mathematical software package MATLAB for these projects.

4. Examinations. All exams will be “closed book”: no books, no notes, and no papers may be used during the exams. If you are unable to take the exam because of sickness or other emergencies, please contact me promptly.

   The two midterm exams will be held at the class meeting time and in the same classroom. The first one will cover Chapters 1 and 2 while the second covers Chapters 3, 7, and 8. The final exam is comprehensive.

   The midterm exams are scheduled on **Thursday, February 10** and **Thursday, April 7**. The final exam is scheduled at **1:30 – 4:00 PM Friday, May 20, 2005** (also consult the KU time table of classes).

5. Difficulties. If you have trouble seeing, hearing, walking, or the others that may prevent you from fully participating in this course, please let me know. We will see what arrangements can be made.