Elementary Differential Equations - MATH 240
Summer 2003


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Goals of the course: To introduce students to the basic concepts and uses of differential equations, as well as methods and techniques for solving them.

Web Page: There is a course web page at [http://www.math.ksu.edu/math240](http://www.math.ksu.edu/math240). This contains links to a copy of this syllabus and links to the computer labs. It also contains the workshop problems. Miscellaneous information, review problems for the exams and the exam solutions will also be posted on this web page.

Structure of the course: This course is organized differently than in the spring or fall. Classes meet every day of the summer session and there are no common lectures. Instead, the lecture and recitation are combined. The material to be covered in each lecture, the homework assignments and the workshop problems are posted on the web page of the course.

There are two sections of EDE offered this summer:

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Ref. number</th>
<th>Time</th>
<th>Place</th>
</tr>
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<tbody>
<tr>
<td>Silvia Onofrei</td>
<td>02720</td>
<td>08 : 40 − 10 : 50</td>
<td>Rec: CW 129, Lab: CW 41</td>
</tr>
<tr>
<td>Mark Lesperance</td>
<td>02730</td>
<td>11 : 00 − 01 : 10</td>
<td>Rec: CW 130, Lab: CW 41</td>
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You are expected to attend each day of the course, a two hour class session. The class session will consist of a lecture of approximately 1 hour followed by a workshop. During the workshop time you will have the chance to ask questions and work selected problems. Every Thursday (except for the last week of classes) we will meet in the computer lab. During the lab hours you will be given a short description of the lab after which you have to work on the lab assignment.

Examinations: All exams will be given in your regular classroom during your regular class time. If you miss, or expect to miss an exam and have a valid reason, you must notify your instructor as soon as possible. Each reason will be judged on an individual basis by the instructor and must be documented to be considered valid. **In any event, no make-up exams will be given.** If you miss an exam and do not have an excuse, you will receive a zero for that exam. The exams will last 90 min. The final exam will last 2 hours. **During the exams you are not allowed to use calculators.**

Homework: There will be 22 written assignments consisting of problems chosen from the text. All the problems on each assignment will be graded and your assignments will be returned to you. **Your instructor will tell you where to turn in the assignments.** Homeworks will be due according to the following schedule: the materials covered in class Monday is due Wednesday, that covered Tuesday is due Thursday, etc.

Please write legibly and present your solutions in an organized and coherent form. Also, please put
your solutions to the problems in exact order in which they were assigned. The homework graders have too little time to search through your homework to find out-of-place solutions, or to try to decipher what you’ve written, so if your work is illegible or confusing to read, it will just be counted as incorrect. Please label your assignments with correct assignment number. Late homeworks will not be accepted. Notify your instructor if you have a legitimate reason for not turning the homework in on time.

**Lab:** There will be a total of 10 computer labs which you will do during your Thursday lab period. The lab reports are due on the next Tuesday. These too, will be graded and returned to you.

Again, I stress that all labs be written neatly and in an organized fashion. As with the assignments, please label your labs with the correct lab number.

**Workshop:** The workshop problems are posted on the web page of the course. You will form small groups (of 2 or 3 people) and work these problems during the second hour of the class session. Your instructor will answer questions and assist you in completing the problems. You are supposed to hand in these problems at the end of the workshop hour.

**Grading:** Grades will be determined from your performance at the exams, homework, lab assignments, final exam and workshop. Each of these components will receive points; the points are added and your final grade is determined from your point total. Each component has the following maximum possible points:

- Exams, 100 pts each  Total possible  300
- Final exam  Total possible  150
- Homeworks, 10 pts. each  Total possible  220
- Lab assignments, 20 pts. each  Total possible  200
- Workshops, 10 pts each  Total possible  230
  
  Total for the course  1100

**Affirmative action:** If you have any condition, such as a physical or learning disability, which will make it difficult to carry out the work as I have outlined it or which will require academic accomodations, please notify me in the first two weeks of classes.

**Help Sessions:** Your recitation instructor will announce office hours during which you may seek help. The help sessions for this class will be held in the computer lab CW 41 and last for sixty minutes. A schedule of the help sessions will be posted on the door of the lab. You may also find it at [http://www.math.ksu.edu/main/course_info/help/mpcchrs.htm](http://www.math.ksu.edu/main/course_info/help/mpcchrs.htm). Tutors for most math courses can be located through the Mathematics Department or through numerous service organizations on campus.

**Academic Dishonesty:** Plagiarism or cheating are serious offenses and may be punished by failure on the exam, paper or project, failure in the course and/or expulsion from the University and a letter placed in your permanent file. For more information refer to the academic dishonesty policy in the University handbook.