**MTH 322 – Differential Equations**  
**Spring 2013**

**Instructor:** Carol Overdeep  
**Office:** OM 429  
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**Phone:** (360) 438-4378  
**Office Hours:** MWF 10:30–11:30; Daily 1–1:50; by appointment, or drop in  
**Webpage:** http://homepages.stmartin.edu/fac_staff/coverdeep/

**Textbook:**  
“E-Chapters” from http://tutorial.math.lamar.edu/Classes/DE/  
or on my webpage  
**Note:** 7th edition homework problems are available on the course Moodle page

**Other:**  
Coursepack of class notes available in the CRC

**Goal:** Post class notes on course Moodle page

**Course Prerequisite:** MTH 172 with a C− or better

**Course Objectives:**

- To provide the student with an understanding of the solutions and applications of ordinary differential equations.
- To understand applications of ODE in physics, biology, and economics.
- Develop new problem solving skills and enhance critical thinking abilities.

**Exams and Grading:**

- Homework 15%  
  **IMPORTANT:** NO EXTRA CREDIT
- Exams 1/2/3 60% (20% each)
- Final 25% May 6, 2013, 10:15–12:15

**Homework:**

- Homework may be done in groups (each student must hand in an assignment).
- Homework *may* be an in-class assignment. These can not be made up.
- Assigned problems are on a separate handout.
- Due dates will be announced in class.
- You **must** show your work to receive full credit (where applicable).
- Partial fractions, integration, derivatives, and algebra play a key role in the course.
- These problems are on a separate handout.
- **Late homework will be penalized/not accepted.**
  - Homework will be considered late if I don’t have it by 3:30 on the due date unless prior arrangements have been made.
  - Homework will be accepted until the assignment is returned to the class—but it will be penalized unless prior arrangements have been made.
Exams 1/2/3:
◊ Make-up exams will not be possible without prior arrangements—and the reason for missing an exam must be compelling and perhaps more importantly, documented. Make-up exams will be more difficult.
◊ Exams will resemble homework problems and problems done in class.

Final Exam:
◊ The final will be closed book.
◊ Will be cumulative.

General Philosophy/Attendance:
◊ College prepares you for a professional position.
◊ In the working world, you are responsible for your career and you are accountable for your decisions. For example, class attendance is expected (just as you are expected to go to work), but not required.

Important Dates:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Last Day to Change/Add a Class</td>
<td>January 25, 2013</td>
</tr>
<tr>
<td>First Exam</td>
<td>February 15, 2013 (subject to change)</td>
</tr>
<tr>
<td>President’s Day (Holiday)</td>
<td>February 18, 2013</td>
</tr>
<tr>
<td>Spring Break (Holiday)</td>
<td>March 9–17, 2013</td>
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<tr>
<td>Second Exam</td>
<td>March 20, 2013 (subject to change)</td>
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<tr>
<td>Last Day to Withdraw From a Class</td>
<td>March 30, 2013</td>
</tr>
<tr>
<td>Third Exam</td>
<td>April 19, 2013 (subject to change)</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>May 2, 2013</td>
</tr>
<tr>
<td>Final Exam</td>
<td>May 6, 2013, 10:15–12:15</td>
</tr>
</tbody>
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Students with Disabilities:

If you need course adaptations or accommodations because of a disability, if you have a medical and/or safety concern to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.