MTH 322 – Differential Equations
Fall 2012

Instructor: Carol Overdeep                Office: OM 429
Email: coverdeep@stmartin.edu            Phone: (360) 438-4378
Office Hours: MWF 10–10:50, 1–1:50; T 12–12:50; by appointment, or drop in
Webpage: http://homepages.stmartin.edu/fac_staff/coverdeep/

“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
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/PFIDAP 15% IMPORTANT: NO EXTRA CREDIT
◊ Exams 1/2/3 60% (20% each)
◊ Final 25% Monday, December 10, 2012, 3:15–5:15

Homework/PFIDAP:

◊ 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.
◊ PFIDAP problems are on a separate handout.
◊ Late homework will be penalized/not accepted.
   ◦ Homework/PFIDAP will be considered late if I don’t have it by 3:30 on the due date unless prior arrangements have been made.
   ◦ Homework/PFIDAP 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 (may allow a notecard).
◊ 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>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day (Holiday)</td>
<td>September 3, 2012</td>
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<tr>
<td>Last Day to Change/Add a Class</td>
<td>September 7, 2012</td>
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<tr>
<td><strong>First Exam</strong></td>
<td><strong>September 28, 2012 (subject to change)</strong></td>
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<tr>
<td><strong>Second Exam</strong></td>
<td><strong>October 31, 2012 (subject to change)</strong></td>
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<tr>
<td>Last Day to Withdraw From a Class</td>
<td>October 26, 2012</td>
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<tr>
<td>Saint Martin’s Day (Holiday)</td>
<td>November 12, 2012</td>
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<tr>
<td><strong>Third Exam</strong></td>
<td><strong>November 19, 2012 (subject to change)</strong></td>
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<tr>
<td>Thanksgiving Break (Holiday)</td>
<td>November 23, 2012</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>December 6, 2012</td>
</tr>
<tr>
<td>Final Exam</td>
<td>December 10, 2012</td>
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</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