MTH 322 – Differential Equations  
Fall 2009

Instructor: Carol Overdeep     Office: OM 429  
Email: coverdeep@stmartin.edu      Phone: (360) 438-4378  
Office Hours: MW 12–1; TTh 11–1; by appointment; drop in  
Webpage: http://homepages.stmartin.edu/fac_staff/coverdeep/

“E-Chapters” from http://tutorial.math.lamar.edu/Classes/DE/  
(available in the bookstore)

Other: Coursepack of class notes available in the bookstore

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 25%     IMPORTANT: NO EXTRA CREDIT
♦ Integration Proficiency 10%
♦ Exams 1/2/3 45% (15% each)
♦ Final 20% Monday, 12/14/09, 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 as well as on my webpage.
♦ Due dates will be announced in class.
♦ You must show your work to receive full credit (where applicable).
♦ Late homework will be penalized/not accepted.
  ◦ Homework will be considered late if not in my office by 3:00 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.
♦ Exams will resemble homework problems and problems done in class.
Integration Proficiency:

♦ Integration plays a key role in the course.
♦ You will often have 1–3 integrals to do.
♦ There may or may not be an integration quiz at some point.

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, no class</td>
<td>September 7, 2009</td>
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<tr>
<td>Last day to add a class</td>
<td>September 11, 2009</td>
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<tr>
<td>First Exam</td>
<td>October 2, 2009</td>
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<tr>
<td>Fall Break, no class</td>
<td>October 16, 2009</td>
</tr>
<tr>
<td>Second Exam</td>
<td>October 28, 2009 (subject to change)</td>
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<tr>
<td>Last day to withdraw</td>
<td>October 30, 2009</td>
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<tr>
<td>Saint Martin’s Day, no class</td>
<td>November 11, 2009</td>
</tr>
<tr>
<td>Third Exam</td>
<td>November 23, 2009 (subject to change)</td>
</tr>
<tr>
<td>Thanksgiving Break, no class</td>
<td>November 27, 2009</td>
</tr>
<tr>
<td>Final Exam</td>
<td>December 14, 2009, 10:15–12:15</td>
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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