MTH 322 – Differential Equations
Fall 2011

Instructor: Carol Overdeep          Office: OM 429
Email: coverdeep@stmartin.edu      Phone: (360) 438-4378
Office Hours: MWF 9–10; MW 1–2; TTh 1:30–3; 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

Other: Coursepack of class notes

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
♦ PFIDAP 15%
♦ Exams 1/2/3 45% (15% each)
♦ Final 25%       Monday, December 12, 2011, 8–10

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).
♦ Late homework will be penalized/not accepted.
  o Homework will be considered late if I don’t have it by 2:00 on the due date
    unless prior arrangements have been made.
  o 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.
PFIDAP:

◊ Partial fractions, integration, derivatives, and algebra play a key role in the course.
◊ The problems are on a separate handout with due dates identified.

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 5, 2011</td>
</tr>
<tr>
<td>Last Day to Change/Add a Class</td>
<td>September 9, 2011</td>
</tr>
<tr>
<td>First Exam</td>
<td>September 28, 2011</td>
</tr>
<tr>
<td>Second Exam</td>
<td>November 2, 2011</td>
</tr>
<tr>
<td>Last Day to Withdraw From a Class</td>
<td>October 28, 2011</td>
</tr>
<tr>
<td>Saint Martin’s Day (Holiday)</td>
<td>November 11, 2011</td>
</tr>
<tr>
<td>Third Exam</td>
<td>November 23, 2011</td>
</tr>
<tr>
<td>Thanksgiving Break (Holiday)</td>
<td>November 25, 2011</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>December 8, 2011</td>
</tr>
<tr>
<td>Final Exam</td>
<td>December 12, 2011, 8–10</td>
</tr>
</tbody>
</table>

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