MTH 171 – Calculus I
Fall 2011

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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/

Other: Coursepack of class notes

Course Prerequisite: MTH 122 or equivalent with a C– or better

Course Objectives:

♦ Lay the mathematical foundation for further study in mathematics, basic sciences, or engineering.
♦ Provide a thorough introduction to the theory and applications of differential calculus.
♦ Introduce the foundations of integral calculus.
♦ Develop new problem solving skills and enhance critical thinking abilities.

Exams and Grading:

♦ Homework 20%  IMPORTANT: NO EXTRA CREDIT
♦ Exams 1/2/3  45%  (15% each)
♦ Gateway Exam 10%  Wednesday, 10/12/11 (subject to change)
♦ Final  25%  MTWF 10: Tuesday, 12/13/11, 10:15–12:15
             MTWF 11: Monday, 12/12/11, 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 cannot 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.
  o Homework will be considered late if not in my office by 3:00 on the due date unless prior arrangements have been made.
  o Homework will not be accepted after the assignment is returned to the class unless prior arrangements have been made.

Exams 1/2/3:

♦ Exams will have two parts: sans calculator and with calculator.
♦ 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 taken after the scheduled date will be more difficult.
♦ Exams will resemble homework problems and problems done in class.
Gateway Exam:
◊ Will consist of basic problems finding derivatives without a graphing calculator. The exam will be approximately 30 minutes in length.
◊ Like Exams 1/2/3, a make-up for the Gateway will not be possible without prior arrangements—and the reason for missing the exam must be compelling and documented.
◊ You must score 75 or better on the Gateway to pass MTH 171.
◊ Students who do not pass will have two additional attempts outside of class.
◊ Passing the Gateway does not guarantee passing the class.

Final Exam:
◊ The final will have two parts like the in-class exams.
◊ 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>
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<tbody>
<tr>
<td>Labor Day (Holiday)</td>
<td>September 5, 2011</td>
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<tr>
<td>Last Day to Change/Add a Class</td>
<td>September 9, 2011</td>
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<tr>
<td>First Exam</td>
<td>September 23, 2011 (subject to change)</td>
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<tr>
<td>Gateway Exam</td>
<td>October 12, 2011 (subject to change)</td>
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<tr>
<td>Second Exam</td>
<td>October 26, 2011 (subject to change)</td>
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<tr>
<td>Last Day to Withdraw From a Class</td>
<td>October 28, 2011</td>
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<tr>
<td>Saint Martin’s Day (Holiday)</td>
<td>November 11, 2011</td>
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<tr>
<td>Third Exam</td>
<td>November 18, 2011 (subject to change)</td>
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<tr>
<td>Thanksgiving Break (Holiday)</td>
<td>November 25, 2011</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>December 8, 2011</td>
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<tr>
<td>Final Exam</td>
<td>MTWF 10: December 13, 2011, 10:15–12:15</td>
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<tr>
<td></td>
<td>MTWF 11: December 12, 2011, 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.

For those of you taking PHY 171 concurrently. . . :

MTH 172 is a co-requisite for PHY 172. If you do not earn a C− or better in MTH 171 this semester, you will not be allowed to take MTH 172 next semester which means you will not be allowed to take PHY 172 next semester either!!