MTH 172 – Calculus II
Fall 2008

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Webpage: http://homepages.stmartin.edu/fac_staff/coverdeep/

Other: Coursepack of class notes available in the bookstore

Course Prerequisite: MTH 171 with a C− or better

Course Objectives:

♦ Complete the mathematical foundation for further study in mathematics, basic sciences, or engineering.
♦ Provide a thorough introduction to the theory and applications 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% Friday, 10/24/08 (subject to change)
♦ Additional Problems 5%
♦ Final 20% Monday, 12/8/08, 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:

♦ 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 will resemble homework problems and problems done in class.
Gateway Exam:
◊ Will consist of basic problems solving integrals **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 172**.
◊ Students who do not pass will have two additional attempts outside of class.
◊ Passing the Gateway does **not** guarantee passing the class.

Additional Problems
◊ The additional assigned problems are listed at the bottom of the homework handout.
◊ For full credit, the problems **must** be turned in on Exam 1/2/3 days before you take the exam.
◊ The grade will be based on completeness and level of effort.
◊ Rationale: one learns mathematics by doing mathematics.

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>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Labor Day (Holiday)</td>
<td>September 1, 2008</td>
<td>(no class)</td>
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<tr>
<td>Last Day to Change/Add a Class</td>
<td>September 5, 2008</td>
<td></td>
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<tr>
<td><strong>First Exam</strong></td>
<td><strong>September 16, 2008</strong></td>
<td>(subject to change)</td>
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<tr>
<td><strong>Second Exam</strong></td>
<td><strong>October 7, 2008</strong></td>
<td>(subject to change)</td>
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<tr>
<td>Fall Break</td>
<td>October 9–10, 2008</td>
<td>(no class)</td>
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<tr>
<td><strong>Gateway Exam</strong></td>
<td><strong>October 24, 2008</strong></td>
<td>(subject to change)</td>
</tr>
<tr>
<td><strong>Third Exam</strong></td>
<td><strong>October 31, 2008</strong></td>
<td>(subject to change)</td>
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<tr>
<td>Last Day to Withdraw From a Class</td>
<td>October 31, 2008</td>
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<tr>
<td>Saint Martin’s Day</td>
<td>November 10, 2008</td>
<td>(no class)</td>
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<tr>
<td>Thanksgiving</td>
<td>November 27–28, 2008</td>
<td>(no class)</td>
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<td>Last Day of Classes</td>
<td>December 4, 2008</td>
<td></td>
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<tr>
<td><strong>Final Exam</strong></td>
<td><strong>December 8, 2008</strong></td>
<td>10:15–12:15</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