MTH 172 – Calculus II  
Spring 2007

Instructor: Carol Overdeep  
Office: OM 409
Email: coverdeep@stmartin.edu  
Phone: (360) 438-4378
Office Hours: MWF 9–10; TTh 1–3; by appointment, or drop in
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%  \textbf{IMPORTANT: NO EXTRA CREDIT}
♦ Homework Notebook 5%
♦ Exams 1/2/3 45% (15% each)
♦ Gateway Exam 10%  \textit{Friday, 4/13/07 (subject to change)}
♦ Final 20%  \textit{Wednesday, 5/9/07, 3:15–5:15}

Homework

♦ Homework may be done in groups (each student must hand in an assignment).
♦ Homework \textit{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 \textbf{must} show your work to receive full credit (where applicable).
♦ \textbf{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 be accepted until the assignment is returned to the class–but it will be penalized unless prior arrangements have been made.

Homework Notebook

♦ The notebook will contain two parts: graded assignments and supplemental problems.
♦ The notebook will be collected on Exam 1/2/3 days.
♦ The grade will be based on completeness and level of effort.
♦ Rationale: one learns mathematics by doing mathematics.
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 integral 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.

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>
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<tbody>
<tr>
<td>Last Day to Change/Add a Class</td>
<td>January 26, 2007</td>
</tr>
<tr>
<td>First Exam</td>
<td>February 9, 2007 (subject to change)</td>
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<tr>
<td>Presidents Day (Holiday)</td>
<td>February 19, 2007</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 10–18, 2007</td>
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<tr>
<td>Saint Benedicts Day</td>
<td>March 21, 2007 (no class)</td>
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<tr>
<td>Second Exam</td>
<td>March 30, 2007 (subject to change)</td>
</tr>
<tr>
<td>Last Day to Withdraw From a Class</td>
<td>March 30, 2007</td>
</tr>
<tr>
<td>Easter Recess</td>
<td>April 6–9, 2007 (no class)</td>
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<tr>
<td>Gateway Exam</td>
<td>April 13, 2007 (subject to change)</td>
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<tr>
<td>Third Exam</td>
<td>April 20, 2007 (subject to change)</td>
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<tr>
<td>Honors Convocation</td>
<td>April 24, 2007</td>
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<tr>
<td>Last Day of Classes</td>
<td>May 2, 2007</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.