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 Prerequisites: MTH 171 and MTH 172 (or equivalent) with C- or better.

Course Objectives:
- Introduce the theory of parametric equations, polar coordinates, and conic sections and explore the relationship between these topics.
- Extend the theory and applications of differential and integral calculus to higher dimensions.
- Enhance problem solving skills and hone critical thinking abilities.

Exams and Grading:
- Homework 20%  
  IMPORTANT: NO EXTRA CREDIT  
- Homework Notebook 5%  
- Exams 1/2/3 45% (15% each)  
- Assessment Exams 10% (5% each)  
- Final 20% Wednesday, 5/9/07, 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 2:00 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.

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:

◊ 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.

**Assessment Exam:**

◊ The goal of the exam is to assess student learning and mastery of Calculus.
◊ There will be two exams: one early in the semester, one late in the semester.
◊ Will consist of basic problems finding derivatives and integrals **without** a graphing calculator. Both exams will be approximately 30 minutes in length.

**Final Exam:**

◊ 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>
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<tr>
<td><strong>First Exam</strong></td>
<td><strong>February 9, 2007</strong> (<strong>subject to change</strong>)</td>
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<tr>
<td>Presidents Day (Holiday)</td>
<td>February 19, 2007</td>
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<tr>
<td><strong>Second Exam</strong></td>
<td><strong>March 9, 2007</strong> (<strong>subject to change</strong>)</td>
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<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 (<strong>no class</strong>)</td>
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<tr>
<td>Last Day to Withdraw From a Class</td>
<td>March 30, 2007</td>
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<tr>
<td>Easter Recess</td>
<td>April 6–9, 2007 (<strong>no class</strong>)</td>
</tr>
<tr>
<td><strong>Third Exam</strong></td>
<td><strong>April 20, 2007</strong> (<strong>subject to change</strong>)</td>
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<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.