MTH 271 – Vector Calculus
Fall 2014

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Office Hours: MWF 11–11:50, M 2–2:50; WF 1–1:50; T 12–12:50; by appointment, or drop in
Webpage: http://homepages.stmartin.edu/fac_staff/coverdeep/

Other: Coursepack of class notes can be ordered in the CRC
        Class notes will be posted on course Moodle page after class

Course Prerequisite: MTH 172 (or equivalent) with C- or better.

Course Objectives:
♦ Extend the theory and applications of differential and integral calculus to higher dimensions.
♦ Introduce and explore vectors.
♦ Enhance problem solving skills and hone critical thinking abilities.

Exams and Grading:
♦ Homework 15%  IMPORTANT: NO EXTRA CREDIT
♦ Exams 1/2/3/4 60% (each exam 15% or 20%***)
♦ Final 25%  Tuesday, 12/9/14, 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 3:30 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 will be a mixture of Webassign and “paper” problems.
  ◦ If you have access to Webassign, you may do the Webassign problems online OR submit them on paper. You are responsible for doing the paper problems as well.
  ◦ If you do not have access to Webassign, you may either purchase access OR do all of the listed problems on paper. You are responsible for doing the Webassign problems as well (from the textbook).

<table>
<thead>
<tr>
<th>Advantage</th>
<th>Disadvantage</th>
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<tbody>
<tr>
<td>Webassign</td>
<td>Five attempts to get problem correct</td>
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<tr>
<td>Paper</td>
<td>Partial credit</td>
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Exams 1/2/3/4:

♦ 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.
♦ TI-89’s or higher (or equivalent) will NOT be allowed during exams.
♦ ***The lowest exam 1/2/3/4 score will be dropped IF

\[(\text{homework average}) \times (\text{percentage of submitted assignments}) > 50\%\]

Final Exam:

♦ Will be cumulative.
♦ You will be allowed to use a formula sheet for the final exam.

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:

- Labor Day (Holiday) September 1, 2014
- Last Day to Change/Add a Class September 5, 2014
- **First Exam** September 12, 2014 (subject to change)
- **Second Exam** October 3, 2014 (subject to change)
- Fall Break October 13–14, 2014
- **Third Exam** October 24, 2014 (subject to change)
- Advising Day October 30, 2014 (Thursday)
- Last Day to Withdraw From a Class November 7, 2014
- Saint Martin’s Day (Holiday) November 11, 2014 (Tuesday)
- **Fourth Exam** November 14, 2014 (subject to change)
- Thanksgiving Break (Holiday) November 27–28, 2014
- Last Day of Classes December 4, 2014
- Final Exam December 9, 2014, 10:15–12:15

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.