MTH 271 – Vector Calculus  
Fall 2012

Instructor: Carol Overdeep  
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Phone: (360) 438-4378
Office Hours: MWF 10–10:50, 1–1:50; T 12–12:50; by appointment, or drop in
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Note: 7th edition homework problems are available on the course Moodle page

Other: Coursepack of class notes
Goal: Post class notes on course Moodle page

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%  MWF 11: Monday, December 10, 2012, 10:15–12:15  
MWF 12: Wednesday, December 12, 2012, 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.
  o Homework will be considered late if not in my office by 3:30 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.
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.
◇ ***The lowest exam 1/2/3/4 score will be dropped IF (homework average) × (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 3, 2012
Last Day to Change/Add a Class September 7, 2012
First Exam September 14, 2012 (subject to change)
Second Exam October 5, 2012 (subject to change)
Third Exam October 26, 2012 (subject to change)
Last Day to Withdraw From a Class October 26, 2012
Saint Martin’s Day (Holiday) November 12, 2012
Fourth Exam November 16, 2012 (subject to change)
Thanksgiving Break (Holiday) November 23, 2012
Last Day of Classes December 6, 2012
Final Exam MWF 11: December 10, 2012, 10:15–12:15
MWF 12: December 12, 2012, 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