MTH 171 – Calculus I  
Spring 2008

Instructor: Carol Overdeep  
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Office Hours: MWF 11–12; MW 2–3; T 11–12, 1–2; Th 2–3; by appointment, or drop in

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Other: Coursepack of class notes available in the bookstore

Course Prerequisites/co-requisite: MTH 122 or equivalent

Course Objectives:

♦ Lay the mathematical foundation for further study in mathematics, basic sciences, or engineering.
♦ Provide a thorough introduction to the theory and applications of differential calculus.
♦ Develop new problem solving skills and enhance critical thinking abilities.

Exams and Grading:

♦ Homework 20%  IMPORTANT: NO EXTRA CREDIT
♦ Additional Problems 5%
♦ Exams 1/2/3 45%  (15% each)
♦ Gateway Exam 10%  Friday, 3/7/08 (subject to change)
♦ Final 20%  Wednesday, 5/7/08, 1–3

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 not be accepted after the assignment is returned to the class unless prior arrangements have been made.

Additional Problems

♦ The additional 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. Problems will be accepted until 3:00 on exam 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 taken after the scheduled date will be more difficult.
◊ Exams will resemble homework problems and problems done in class.

Gateway Exam:
◊ Will consist of basic problems finding derivatives 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 171.
◊ 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:
Last Day to Change/Add a Class January 25, 2008
First Exam January 30, 2008 (subject to change)
Presidents Day (Holiday) February 18, 2008
Second Exam February 22, 2008 (subject to change)
Gateway Exam March 7, 2008 (subject to change)
Spring Break March 17–24, 2008
Last Day to Withdraw From a Class March 28, 2008
Third Exam April 9, 2008 (subject to change)
Honors Convocation April 29, 2008
Last Day of Classes April 30, 2008
Final Exam May 7, 2008 from 1–3

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.