Math 254.01
Course Information
Winter 2012

Instructor:
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Office Hours: MWF 1:30 – 3:00
email is the best way to contact me!

Text:  Calculus: Early Transcendentals, Volume 2, 6th OSU Custom Edition
James Stewart, ISBN 1424064571

Calculator Policy:
Calculators are permitted during exams, except those calculators that have
symbolic algebra or calculus capabilities, or that have a QWERTY keyboard. In
particular, the following calculators (and their upgrades) are not permitted:
   TI-86, TI-89, TI-92, TI Voyage 200, HP-40, HP-48, HP-49, Casio FX2.0,
   Casio CFX 9970G
It is also not permitted to use higher memory functions on a calculator to store
and read formulae during an exam; this is the electronic equivalent of using notes
during exams, which is prohibited.

Grades:
Your grade will be determined by your performance in the following:
Recitation: 100
Midterms (2): 200
Final Exam: 200
Total: 500 points
A: 90%, B: 80%, C: 70%, D: 60% E: < 60%.
These cutoffs will not be raised but they may be lowered slightly.

Recitation Score:
Your recitation score comes from homework and quizzes.
Homework (out of 40): There will be 9 homeworks, each worth 5 points, making
45 possible points of homework.
Quizzes (out of 60): There will be 5 quizzes, each worth 15 points. The best four
will determine your quiz grade out of 60.

Making Up Quizzes:
There will be no makeup quizzes.
Midterms:
Midterms are scheduled during lecture according to the attached calendar.

Making Up Exams:
Make-up exams will be done only in cases of emergency or necessity. If you know you must miss an exam, I expect to know well in advance with documentation if possible.

Final Exam:
The final examination is scheduled for Wednesday, March 14 following the University schedule for final exams. The final is cumulative.

GEC Information:
This mathematics course can be used, depending on your degree program, to satisfy the Quantitative and Logical Skills category of the General Education Requirement (GEC). The goals and learning objectives for this course are to provide students with basic computational skills and the ability to solve problems based on simple mathematical models. The course meets the needs of students entering the University with Course Code S on the Math Placement Test, or with credit for Math 050.

Disability Statement:
Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292-3307, TDD 292-0901; http://www.ods.ohio-state.edu/.

Academic Misconduct Statement:
It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/resource_csc.asp).
Homework Problems:
The following are suggested problems to get you started. Your collected homework assignments will be chosen from them as well.

Chapter 14 – Partial Derivatives
Section 14.1 Problems: 6-29, 39-46, 55-64
Section 14.2 Problems: 5-22, 25, 26, 29-38
Section 14.3 Problems: 15-42, 45-63, 71-77
Section 14.4 Problems: 1-6, 11-19, 21, 25-30
Section 14.5 Problems: 1-18, 21-34, 45-57
Section 14.6 Problems: 4-17, 19-27, 39-44, 49, 61
Section 14.7 Problems: 1, 2, 5-18, 25-36, 39-44, 55
Section 14.8 Problems: 1, 3-19, 27-35

Chapter 15 – Multiple Integrals
Section 15.1 Problems: 1, 2, 11-13
Section 15.2 Problems: 1-31, 35, 36
Section 15.3 Problems: 1-28, 31, 32, 39-50, 55, 56
Section 15.4 Problems: 1-27, 29-32, 35-37
Section 15.5 Problems: 1-19
Section 15.6 Problems: 1-22, 27-30, 37-46
Section 15.7 Problems: 1-28
Section 15.8 Problems: 1-40
Section 15.9 Problems: 1-18

Chapter 16 – Vector Calculus
Section 16.1 Problems: 1-10, 21-24
Section 16.2 Problems: 1-16, 19-22, 31, 33-41
Section 16.3 Problems: 3-10, 12-22, 25-33
Section 16.4 Problems: 1-14, 17-19
Section 16.5 Problems: 13-22
Section 16.6 Problems: 1-6, 13-26, 33-47