Syllabus for Math 236, *Calculus I*, Spring 2006

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COURSE DESCRIPTION: This is the continuation of MATH 235, a one semester course of calculus covering integration techniques, sequences and series, and applications. We will cover 6.5 and Chapters 7, 8, 10 and 11 of the text. Prerequisites are C or better in MATH 235 or in an equivalent course.

TEXT: *Calculus, One and Several Variables*, Salas et. al. Ninth edition

CALCULATORS: For quizzes and exams, you may use a simple scientific calculator that is not programable and does not store formulas. You may use any calculator or computer to assist you in understanding the material and doing the homework.

GRADING: The grading will be assigned on a 550 point scale:

> A: 495-550
> B: 440-494
> C: 385-439
> D: 330-384
> F below 330

There will be no curves and no extra credit. I will assign +/- on an individual basis. Points are assigned as follows:

> Quizzes (10) - 100 points
> Midterm exams (3) - 100 points each
> Final exam - 150 points

MIDTERMS and FINAL: There will be three midterms during the semester worth 100 points each and a final exam worth 150 points. If you cannot make it to a scheduled exam, you MUST contact the instructor BEFORE the exam if at all possible, or if an emergency, WITHIN 24 HOURS after the exam if you need to schedule a make up exam. Make up exams will only be given for extreme excuses. A doctor's note or some other physical excuse is required. Dates for exams:

> Midterm I - Thursday February 9
> Midterm II - Thursday March 16
> Midterm III - Thursday April 13
> **Final Exam** - Section 05 Wednesday May 3 1:30-3:30
>   Section 06 Monday May 1 1:30-3:30

QUIZZES: There will be a 10 point quiz at the beginning of class each Thursday. This quiz will cover material through Tuesday's class. Quiz questions will be similar (but certainly not limited) to homework questions. The 10 best quiz scores will be kept, and the rest will be dropped. There will be no make up quizzes given.

HOMEWORK: Homework will be assigned, but not collected. Homework, however, is of the utmost importance! You must keep up with the homework, and do it everyday. Here is a homework strategy that I recommend:

- Before class, read the section that we will go over.
- That evening, read the section again, paying particular attention to the example problems.
- Try each homework problem.
- If you can't get started, look for a similar example problem in the text.
- After getting a solution, check the answer in the back of the book.
- If you are correct, go on.
- If not, put a star by the problem, and try it again.
- If you still cannot solve the problem, even knowing the answer, then put two stars next to it, and ask about it in class.
- The next day, try all of the problems with one and 2 stars again. Be sure that you can do them without looking at the answer.
- When reviewing for quizzes and exams, pay particular attention to the starred problems.

There will be opportunities to ask questions about the homework problems at the beginning of each class. However, there may not be time to answer everyone's questions, or go over every homework problem. You are encouraged to work together in groups on the homework problems. See below for "additional help".

ADDITIONAL HELP: Calculus is a notoriously difficult class. Expect to put a lot of time and effort into the class and homework. Do NOT allow yourself to fall behind! This class moves very quickly, and there is not time to catch up. If you feel yourself falling behind, come to my office hours to discuss how keep up. If you need extra help, try to find a study group of other students enrolled in 235. Go to the math help center in 102 Wilson Hall. `http://www.math.jmu.edu/tutoring-center/` You are welcome to e-mail questions to me, but please include the entire question, because I may not have access to a book when I answer your e-mail.

HONOR CODE You are to abide by the JMU honor code at all times. Ignorance of the law is no excuse. Cheating will not be tolerated and will be prosecuted to the fullest extent.