Syllabus for Math 251 Honors Multivariable Calculus
Section H1 - Spring 2009

Lecturer: Dr. Jean-Philippe Lessard
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Prerequisite: Honors Calculus II or permission

Textbook: Jon Rogawski, Calculus Early Transcendentals, W. H. Freeman and Company.
ISBN 1-4292-1113-X.

Lectures: Monday and Wednesday from 5:00pm until 6:20pm in room ARC 204
Recitations: Thursday from 5:00pm until 6:20pm in room ARC 204

Calculators and Exam Helps: Calulators are not allowed on any quizzes or exams. You will be provided a formula sheet for the two midterm exams and the final exam. I will post copies of the formula sheets before each exam, so you will know what is on them.

Course topics: The course will cover the bulk of the material in Chapters 12-17 of the text.

The term grade will be based on the results of the examinations, quizzes, workshop/homework problems, and on class participation. Here is more information about the individual components of the grade:

Exams (80%): There will be two 80 minute exams and a cumulative final. Each of the 80 minute exams will make up 20% of your final grade and the final will make up 40% of your grade. Exams will be closed book and student-prepared formula sheets will not be permitted. An official formula sheet will be provided with each exam. The dates of the 80 minute exams listed in the lecture schedule are tentative. The actual dates will be announced in class.

Quizzes/Workshop/Maple Labs (20%): We will have a short quiz (one or two questions) every few weeks to help prepare for exams. Periodically we will take part of a recitation to work on more difficult "workshop" problems. The class will be split up into small groups and will work on the problems together. I will ask for some problems to be written up and turned in. You will usually have two weeks to turn in the workshop solutions. Let me encourage you to use Maple to help you do difficult calculations and to generate text and graphs. Throughout the semester, I will assign Maple labs. These labs should help further your understanding of the course material as well as gain experience using a computer algebra system. We will most likely have a total of 5 quizzes, 5 workshops, and 5 Maple labs. All together these assignments will make up the remaining 20% of your term grade.

Homework: Students are expected to keep up with the suggested textbook homework problems that are posted on the class website. This homework will not be collected. However, students are encouraged to ask questions at the beginning of class about problems with which they have had difficulty.