Syllabus–Math 153

Autumn 2005

Professor: Dr. Jim Brown
Office: 630 Math Tower
Office Phone: 688-8733
Email: jimlb@math.ohio-state.edu
Office Hours: M 9:45 - 10:45 am, W 1 - 2 pm, Th 2 - 3 pm, and by appointment
Course Website: http://www.math.ohio-state.edu/∼jimlb/Math153.html

Recitation Instructor: Lingfei Li
Office: 505 Math Tower
Office Phone: 292-6063
Email: lingfei@math.ohio-state.edu

Description: Math 153 is the third course of the standard calculus sequence 151-152-153-254. In this course we will build upon the knowledge gained in Math 151 and 152, so it is important that you have mastered this material. Applications of the material and understanding the ideas behind the theorems will be stressed in addition to the usual routine manipulation of equations. I will expect that you learn how to think about the material, not just memorize the formulas. We will cover infinite series, Taylor polynomials, conics and polar coordinates, and vectors in 2 and 3-space; roughly the content of Chapters 10-14.

Text: *Calculus* Compiled by The Ohio State University Mathematics Department ISBN: 0-536-84886-6

Calculator: I don't anticipate the need for you to run out and spend a large amount of money on a new calculator. If you already have one, check with me to see if it will suffice before purchasing a new model. I will be able to help you use a TI-83 Graphing Calculator. If you have another model, you will be responsible for knowing how to operate the calculator on your own. If it has any symbolic manipulation capabilities, you are responsible for clearing the use of it on exams and quizzes with me beforehand.

Mathematics Learning Center: **Free Tutoring in Cockins Hall 014**
Monday-Thursday 9:30 am - 4:30 pm
Friday 9:30 am - 1:30 pm

Course Content:

- Sections 10.1-10.8, 11.1 — Exam 1 (20% of final grade)
- Sections 12.1-12.8, 13.1-13.5 — Exam 2 (25% of final grade)
- Sections 14.1-14.7 — Final Exam (Cumulative!!) (35% of final grade)

[**Note:** The above sections may be modified during the term–particularly with respect to the actual sections covered on a particular exam. The Final Exam ***is*** comprehensive!]

Exam Dates:	First Midterm Exam	Wed., Oct. 12; 6:00 - 7:30 pm
	Second Midterm Exam	Wed., Nov 9; 6:00 - 7:30 pm
	Final Exam	Tues., Dec. 6; 7:30 am - 9:18 am

Exam dates are ***absolutely*** firm. All students enrolled must plan to take exams at the scheduled times. If you have a conflict with these times you need to let me know IMMEDIATELY! If you wait until the week of the exam to let me know you have class or some other conflict you've known about for the entire semester you will be out of luck. Travel plans and work schedule will ***not*** be considered an excuse to take an examination on a different date. On all exams, standard graphing calculators are allowed. Problems will be written with the expectation that these calculators will be used. More powerful calculators must be approved.

Grading Policy: Your grade will be determined based upon your exam scores, weighted as indicated above, as well as quizzes and team homeworks. The quizzes will comprise 5% of your final grade (barring your lack of participation in recitation), where the team homework will comprise 15% of your final grade. For a description of quizzes and team homework please visit the course website. Please note that your final grade will be curved. I do not use a bell curve, so there is no set number of any grade. Therefore, please do NOT feel as if you are competing against your classmates. The curve will merely make it more reasonable to assign you problems that are not just routine without worrying about hurting your grades. I will give you a letter grade after each exam so you know where you stand in the course, and you are free to talk to me anytime to find out where you stand in the course.