

MATH 106A,B - CALCULUS II
WINTER 2009

LEC A: MWF 8:00 - 9:20 AM (HATHORN 104)

LEC B: MWF 9:30 - 10:50 AM (HATHORN 100)

Instructor: Peter Wong

Office: 212 Hathorn

Office phone: x6143

e-mail: pwong

Office hours: MW 11:00 - 12:00, or by appointment

Text: *Calculus (Single Variable)* by Ostebee and Zorn (2nd ed.), Houghton Mifflin, 2002

Calculator: TI-83 graphing calculator, Texas Instrument or equivalent

Grading: 2 Mid-terms - 20% each; Final - 30%; Quizzes - 20% (10 quizzes but the lowest score will be dropped); Attendance/Class Participation - 5%; Labs - 5%

Approximate Curve:-

A+ : 97% – 100%	A : 93% – 96.9%	A– : 90% – 92.9%
B+ : 87% – 89.9%	B : 83% – 86.9%	B– : 80% – 82.9%
C+ : 77% – 79.9%	C : 73% – 76.9%	C– : 70% – 72.9%
D+ : 67% – 69.9%	D : 63% – 66.9%	D– : 60% – 62.9%
F : 0% – 59.9%		

Exam dates: 1st exam - Friday, February 6; 2nd exam - Friday, March 13;
Final - **Thursday, April 16 at 3:45 pm**

Prerequisites: Math 105 - Calculus I

Objective: This is the continuation of Calculus I and the focus is on *integral* calculus. The emphasis will be on the *meaning* of the concepts behind the mathematical formulae and we will focus on applications of calculus to real life problems.

This course will cover most of Ch.6 to Ch.11 of the textbook. We shall begin with a quick review of antiderivatives (section 5.1-5.3).

Notes:

1. Notice that the final exam date is scheduled for Thursday April 16, 2009 at 3:45pm (2 hour long). Do not make plane reservation to leave BEFORE this date.

2. It is **IMPORTANT** that you **READ** the book **before** as well as **after** class. I do not expect you to *master* the concepts after the first reading of a section but familiarity of some of the terms and definitions will help understand more when I go over the same material in class. Almost on a weekly basis, I plan to give a 10-15 minute short quiz on the material that is covered during the past week.

3. **Labs and Math/Stat Workshop:** Mr. Eric Towne (etowne@bates.edu) will be conducting the labs throughout the semester. These labs are designed to enhance your learning and understanding of the material. In addition, the College Mathematics and Statistics Workshop, located at Canham House, offers additional help on mathematics and statistics for the Bates community. Please visit the workshop or contact its director, Grace Coulombe at gcoulomb@bates.edu.

4. **Labs and Exam Reviews Dates:** The labs for Math106 Winter 2009 will take place during the weeks of 1/19, 2/2, 2/23, 3/9, 3/23, 4/6. Pre-exam reviews will be on Wed. 2/4 at 7pm, Wed. 3/11 at 7pm, Mon. 4/13 at 1pm and Wed. 4/15 at 7pm. All reviews will take place in Pettengill G52.