

MATH 106B,C - CALCULUS II
FALL 2011

LEC B: MWF 9:30 - 10:50 AM (HATHORN 303)

LEC C: MWF 1:10 - 2:30 PM (HATHORN 303)

Instructor: Peter Wong

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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, September 30; 2nd exam - Friday, November 4; Final - Wednesday, December 14 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.

Notes:

1. Notice that the final exam date is scheduled for Wednesday December 14, 2011 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. Homework will be assigned frequently and the problems (from the textbook) will be posted on my page:

<http://www.bates.edu/~pwong/teaching/Fall2011/Math106BC/Math106.html>.

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 Fall 2011 will take place during the weeks of 9/12, 9/26, 10/10, 10/31, 11/14, 12/5. Pre-exam reviews will be on Wed. 9/28 at 7pm, Wed. 11/2 at 7pm, Mon. 12/12 at 1pm, and Tue. 12/13 at 7pm. All reviews will take place in Pettengill G52.