

Mathematics 106 A - Calculus 2
Winter 2006

Instructor: Caleb Shor, 205 Hathorn, cshor@bates.edu, x6403.

Office Hours: M 12-1, W 11-12, R 3-4, and by appointment.

Text: Calculus from Graphical, Numerical, and Symbolic Points of View, second edition, by Ostebee and Zorn.

In this course, we continue to study the relationship between derivatives and integrals. We will develop methods to solve integrals both symbolically and numerically using a variety of techniques and use these techniques for some applications.

We will also study sequences and series, using the latter to understand Taylor series, which give approximations for a wide class of functions.

Course Webpage: <http://abacus.bates.edu/~cshor/winter06/ma106/>

Labs: Labs will meet during the weeks of January 16, January 30, February 13, March 6, and March 20 in Hathorn 209. You will sign up for a specific day and time during the first week of class. Please contact assistant-in-instruction Eric Towne (etowne@bates.edu) with any lab-related questions. Note that labs count for 5% of your final grade.

Walk-in Tutoring: Available at the Mathematics and Statistics Workshop, Canham House 1 & 2, Sunday-Thursday 7-9pm, Monday-Thursday 1-4pm, and by appointment. More information is available from http://abacus.bates.edu/acad/acad_support/msw/

In-Class Exams: Friday, February 3 and Friday, March 10.

Final Exam: Friday, April 7, at 3:45pm.

Note: If you have a conflict with an exam, notify me at least one week beforehand so that we can arrange for you to take it at an earlier date.

Homework: Homework is assigned daily and discussed during the following class. Homework will generally be collected on Fridays. The homework must be submitted to me in class or in my office by 5pm. Assignments and due-dates may be found on the course website.

Since the course material is continually building upon itself, it is very important to keep up with the homework. I strongly encourage you to work with other students on the homework assignments, as it can be quite valuable. However, you must write up the solutions on your own.

Exams: Note the dates of the in-class exams and the final exam above. The in-class exams will not be cumulative. The final exam will be cumulative, but it will focus more on material covered after the in-class exams. You are expected to have a calculator for all exams.

Review Materials: Pre-exam review sheets, copies of old exams and quizzes, and other study tools are online at <http://abacus.bates.edu/~etowne/mathresources.html>

Review Sessions: There will be one coursewide review prior to each midterm and two prior to the final (each covering half the course). They will be in Pettengill G21 at the following times.

- Wednesday, February 1, 7 p.m.
- Wednesday, March 8, 7 p.m.
- Monday, April 3, 7 p.m.
- Wednesday, April 5, 1 p.m.

Grading: Grading for this course is given by:

Homework	25%
Labs	5%
Exam 1	22.5%
Exam 2	22.5%
Final Exam	25%