

# Math 112: Calculus II

Dr. Emilie Wiesner, Spring 2009

## About the Course

In this course we continue to develop the ideas of derivatives and integrals and explore some important applications of these concepts both in mathematics and in other fields. At the end of this course you should

- be competent with a variety of new calculus concepts, including integration techniques, sequences and series, and differential equations;
- be able to apply these concepts in real-world situations to model and solve problems;
- be able to communicate your mathematical thinking and problem solutions effectively.

**Textbook:** *Calculus: Single Variable* (4th ed.), Hughes-Hallett et al.

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## Contact Information

**Office:** Williams 212D

**Email:** ewiesner@ithaca.edu

**Phone:** 274-1220

**Office Hours:** Monday 3-4PM; Wednesday 2-3PM; Friday 1-2PM.

You are also welcome to stop by whenever I am in or set up an appointment to meet with me.

**Help Room:** The math department also sponsors a drop-in help room. It is located in Williams 304.

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## Expectations and Assignments

### Homework and Class Participation:

- *Daily Homework:* There will be several daily homework problems assigned after each class to give you some practice with the material. You are expected to have the daily homework completed to present in the next class.
- *Weekly Homework:* There will be 4-8 weekly homework problems to turn in for grading.
- *Projects:* There will be three group projects assigned during the semester focusing on applications of the course material. These will give you a chance to work on a more in-depth problem and to practice mathematical writing.
- *Participation:* In addition to presenting daily homework problems, you are expected to contribute to class discussion and to participate in any activities done in class.

*No late homework will be accepted.*

**Quizzes and Exams:** There will be 3 quizzes and 2 midterm exams given during the semester (Feb 6, Feb 24, March 20, April 7, April 27).

*Make-up quizzes and exams will be given only under extraordinary circumstances.*  
In the event of such an extraordinary circumstance, you should contact me as soon as possible.

**Attendance:** Participation in class is important. Class attendance is expected, and absences will affect your participation grade. You are responsible for any material or assignments you miss in the event of an absence. Students missing class for religious observance or other university-sanctioned reasons should contact me at least one week ahead of time to make alternate arrangements.

You can read the official college attendance policy at:

[http://www.ithaca.edu/attorney/policies/vol7/Volume\\_7-70202.htm](http://www.ithaca.edu/attorney/policies/vol7/Volume_7-70202.htm).

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### **Academic Honesty**

You are expected to conform to the Standards of Academic Conduct printed in the Student Handbook. Plagiarism is the act of presenting someone else's work as your own. This includes using a classmate's work, something you found on the internet, and textbooks other than the course textbook. If you have any questions about using sources, please come talk with me.

You may discuss homework for this class with other students and with me, However, you should always write up your homework on your own and in your own words.

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### **Statement Regarding Disabilities**

In compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, reasonable accommodation will be provided to students with documented disabilities on a case-by-case basis. Students must register with the Office of Academic Support Services and provide appropriate documentation to the College before any academic adjustment will be provided.

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### **Grades**

Your final score will be broken down as follows:

- 4%: Daily Homework and Participation
- 12%: Weekly Homework
- 12%: Projects
- 16%: Quizzes
- 18%: Midterm Exam I
- 18 %: Midterm Exam II
- 20%: Final Exam

Your final score will determine your grade for the class as follows:

Grade	Score	Grade	Score
A	93%	C	73%
A-	90%	C-	70%
B+	87%	D+	67%
B	83%	D	63%
B-	80%	D-	60%
C+	77%	F	<60%

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This syllabus is a general plan for the course. However, deviations may be necessary and will be announced to the class.