

# Calculus II, Math 112

Monday and Friday 9:10-10:00am,  
Wednesday 8:10-10:00am  
Hayes Hall 311  
[www2.kenyon.edu/Depts/Math/Smith](http://www2.kenyon.edu/Depts/Math/Smith)

Elly Smith  
smither@kenyon.edu  
Hayes Hall 309-A  
740-427-5428

## Textbook

Calculus from Graphical, Numerical, and Symbolic Points of View, Second Edition, Volume II, by Arnold Ostebee and Paul Zorn.

## Prerequisites

Math 111 (Calculus) or Math 110Y-111Y (Calculus/Elementary Functions). Please see me to discuss your situation if you have not met these requirements.

## Tutoring and Office Hours

Drop-in tutoring is available at the Math and Science Skills Center in Tomsich 101 on Sundays, Tuesdays, and Thursdays from 7 to 10pm. In addition, I will be available for questions in office hours and by appointment, and our lead tutor, Henry Smith, will be available for tutoring. I will arrange to have office hours at times which are convenient for the entire class.

## Grades

Grades for this course will be assigned based on the following components. Unsatisfactory performance in any single category will result in an F.

Homework	15%
Quizzes	10%
Projects	15%
Gateway Exam	10%
Midterm 1	10%
Midterm 2	10%
Midterm 3	10%
Final Exam	20%

Letter grades will be determined by a scale that will be no more strict than the standard scale.

A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

## **Software**

We will be using the computer algebra system *Maple* for homework and projects in this course. I will not assume familiarity with *Maple*. The computers in the Peirce lab and Hayes 311 have *Maple* installed. You may also contact Terry Kloplic, the director of laboratories for math and physics, for an installation CD at Hayes 101, x5364, or [kloplic@kenyon.edu](mailto:kloplic@kenyon.edu).

## **Expectations**

Class will start on time (usually for puzzles). Please do not bring food to class. Since we are in a room with computers, you may check email, etc., before class. However, once lecture or discussion begins, I expect you to be logged out until the conclusion of class. When you do use a computer (before, after, or during class), you are expected to use it in a way that is consistent with appropriate use as described in the Appropriate Use of Information Services section of the Library and Computing Policies document (<http://www.kenyon.edu/x11746#x13588>).

## **Homework**

Solutions should be clearly written and easy to follow. You should use complete sentences and correct grammar. Part of a successful and complete assignment is communicating your work to your reader. All figures and calculations should be explained.

Homework assignments and projects must be turned in at the beginning of class on the due date. Absolutely no late work will be accepted. Exceptions may be made for special circumstances and/or excused absences, but you are required to give appropriate notice. In general, if you know that you will be missing class for some reason, you should turn in your assignment before you leave. Your two lowest homework scores will be dropped.

## **Exams**

There will be three midterms, each worth 10% of your course grade. The final exam is worth 20% of your grade and is cumulative. The final will be given on May 8th from 1:30pm to 4:30pm. Please note that the final is three hours, and plan accordingly.

## **The Gateway Exam**

In order to understand the material covered in this course, it is important that you master the computational aspects of it. We therefore require all Calculus I and II students to pass a Gateway Exam. The exam for Calculus II consists of five integral computations. To pass the test, you must achieve a perfect score. You may take the test as many times as you like. The exam will be given once in class. If you pass it on the first try, you will get a bonus 2% in your overall grade. If you do not pass the exam on the first attempt, you may retake the exam by appointment. You are allowed to retake the exam at most two times per week and not more than once per day until April 9th. If you pass the exam within three weeks of the first attempt, you will get a score of 100% on the exam. If you pass after the three week mark but before or on April 9th, you will get a score of 5%.

## **Course Materials**

Video and audio recordings of classes are not permitted. Course materials are also not to be posted on any shared networks or internet sites.

**Communication**

The best way to communicate with me is through in-person conversations in office hours or after class. I can also be reached via email. I will respond to emails within 48 hours. In general, I will respond in a shorter time period, but do not expect that I will be checking and responding to emails in a real-time basis, especially late at night or on the weekends.

**Academic Honesty**

Please show respect to your classmates and to me by consistently doing your own work. You are encouraged to work together on homework, but you are expected to write-up each assignment on your own. Make sure to cite sources appropriately in your work. The course policy on academic honesty is the same as that of Kenyon College (<http://www.kenyon.edu/x11747.xml>).

**Disabilities**

If you have a disability (learning or otherwise) that may affect your ability to succeed in the course, please let me know as soon as possible so that we can make arrangements. You will also need to contact Erin Salva in the Office of Disability Services.