

# Math 112: Calculus II, Spring 2013

Monday, Wednesday, Friday 12:10-1:00pm,

Tuesday, 1:10-2:00pm

Hayes Hall 311

[www2.kenyon.edu/Depts/Math/Smith](http://www2.kenyon.edu/Depts/Math/Smith)

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## Textbook

Calculus, Early Transcendentals by William Briggs and Lyle Cochran.

## Prerequisites

Math 111 (Calculus I). Please see me to discuss your situation if you have not met this 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, Lila Greco, will be available for tutoring. I will arrange to have office hours at times which are convenient for the entire class. You are encouraged to take advantage of both tutoring and office hours even if you are not struggling with current material so that you can learn from the questions of others or try extra problems.

## Grades

Grades for this course will be assigned based on the following components.

Homework and Quizzes	25%
Projects	15%
Gateway Exam	10%
Exams	30%
Final Exam	20%

Failure to complete an exam or project will result in a score of zero in that grade category as well as a letter grade drop in the overall grade.

## 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. 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.
- There will be online homework assignments and written assignments. You should generally think of online homework as a means for you to check your understanding of routine computations. The written assignments provide an opportunity for deeper reflection and exploration in addition to standard computational problems. Due to the different nature of online and written assignments and the difference in expected time required, written homework will be weighted more heavily than online homework.
- 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 10th from 8:30am to 11:30am. 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. 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 for six weeks. 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 the exam during the fourth, fifth, or sixth week, you will get a score of 50% on the exam.

### **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 during office hours or via email. I will respond to emails within 48 hours.

### **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.