

CALCULUS II

St. Olaf College • Math 126
Dr. Matthew Wright • Fall 2019

Meeting Times (in RNS 204): Monday, Wednesday, and Friday; 11:50 – 12:45pm

Office Hours (in RMS 405): Mon. 9–10, Tues. 9:30–10:30, Wed. 2–3, Thurs. 1–2, Fri. 9–10,
whenever the door is open, or by appointment

Contact the professor at: wright5@stolaf.edu

Web Site

The course web site is:

math126.mlwright.org

Please refer to this web site frequently for the course schedule and assignments.

Text

We will use the *Active Calculus* text, which is freely available online at activecalculus.org. You may access the text in your web browser, download a copy in PDF format, or purchase a printed copy.

Prerequisites

This course builds on the material from Calculus I. In particular, students should be comfortable with differential calculus and familiar with basic integral calculus. If you have questions about whether this is the right level of calculus course for you, please don't hesitate to speak with the professor.

Supplemental Instruction

This course is supported by Supplemental Instruction (SI), a series of optional sessions run by the student SI Leader. Attending these sessions will help you deepen your understanding of calculus, acquire effective learning strategies, and ultimately improve your grade. In many cases, regular attendance at SI sessions has increased a student's final grade by an entire letter grade or more. Times and locations of SI sessions are posted on the course web site. It is strongly recommended that you attend at least one SI session during the first two weeks of the course.

Grading

Your final grade will be a weighted average of the following:

Homework:	20%	
Quizzes:	15%	
Exams:	45%	(15% for each of three exams)
Final Exam:	20%	(cumulative)

Homework

Solving problems is an essential component of learning mathematics. This course involves three types of homework:

1. **Preview exercises:** These exercises help you come to each class prepared for that day's activity. One or two exercises closely linked to the textbook reading will be due at the start of most class periods. These exercises will be completed online and automatically graded, providing instant feedback.
2. **Online homework:** These exercises help you practice and master what you learned in class. Approximately 8 to 12 online homework problems will be assigned after each class period, and will be due by the next class period. These problems will be automatically graded and provide instant feedback.
3. **Written homework:** These exercises will focus on conceptual understanding and communication of the mathematical problem-solving process. Approximately 2 to 4 problems will be assigned after each class, and will be due *two* class periods later. For these problems, you will need to write your solutions by hand, explaining your thought process clearly and thoroughly. These problems will be graded (by a human) and returned.

The course web site will help you keep track of all homework assignments and due dates.

Online homework will be completed using a website called *Edfinity*. The professor will provide a link to the Edfinity site for this course. The first time you visit the Edfinity site, you will need to create an account using your St. Olaf email address.

Discussing homework problems with other students is encouraged, but do not rely on others to do the work for you. If you are struggling with the homework, seek help: attend SI sessions and talk with Prof. Wright.

Late homework will not be accepted in general. If you will miss class due to a college-sponsored event, talk to the professor *in advance*. For other extreme circumstances, talk to the professor as soon as possible.

Your lowest homework score in each of the three homework categories above will be dropped.

Bonus: Visit Prof. Wright's office by September 20 and receive an additional dropped homework score in each of the three categories.

Quizzes

We will have 10-minute quizzes periodically, as scheduled on the course web site. The quizzes will give you practice for taking the exams.

Make-up quizzes will be given only for college-sponsored events or extreme circumstances—in either case, talk to the professor as soon as possible.

Your lowest quiz grade will be dropped.

Exams

This course will have four exams, including the final exam, as listed below. Plan to be present at each exam. If you will miss an exam due to a college-sponsored event or extreme circumstances, talk to the professor as soon as possible. *Travel plans are not a valid excuse to miss an exam.*

Exam 1: Monday, September 30 (on material through section 6.2)

Exam 2: Wednesday, October 30 (roughly on chapters 6 and 8)

Exam 3: Monday, November 25 (on multivariable chapters 1 and 2)

Final Exam: Tuesday, December 17, 2:00 – 4:00pm (cumulative)

Strategies for Success

- Complete the reading and preview exercises (assigned on the course web site) before class each day.
- Attend class faithfully, take good notes, and participate in in-class problem solving activities.
- Make friends in the class. Talk with your classmates about the course material.
- Keep up with the homework. Avoid doing the entire assignment right before it is due.
- Practice is essential for learning mathematics! Work each problem carefully and thoroughly.
- If you are having trouble, seek help! Talk with Prof. Wright, come to office hours, and attend Supplemental Instruction (SI).

Inclusivity

Prof. Wright is committed to supporting all students. This course strives to be an inclusive learning community, respecting those of differing backgrounds and beliefs. As part of the St. Olaf community, we aim to be respectful to everyone in this class, regardless of race, ethnicity, religion, gender, or sexual orientation. If you have any questions or concerns, don't hesitate to talk with Prof. Wright.

Accommodations

Prof. Wright is committed to supporting the learning of all students. If you have already registered with Disability and Access (DAC) and have your letter of accommodations, please meet with the professor early in the course to discuss, plan, and implement your accommodations in the course. If you have or think you have a disability, please contact the Disability and Access office at 507-786-3288 or wp.stolaf.edu/asc/dac.

Academic Integrity

Claiming someone else's work as your own will earn you a failing grade on the work in question. Don't do it. For more information, see the *Academic Integrity* section of *The Book* (wp.stolaf.edu/thebook/academic/integrity).