

MATH 2144: Calculus I, Section 62903

Syllabus Amendments

Amended syllabi will be announced in class and posted to D2L.

My Contact Information

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Prerequisites

A score of at least 70 on the ALEKS placement exam, or a grade of at least *C* in a college-level course in Trigonometry or Pre-Calculus.

Corequisite Option

On Wednesday, August 23rd, you will take a pre-calculus assessment. It does not count toward this course. Based on your grade, consider attending a corequisite section instead. These sections will meet five days a week and spend more time on precalculus review.

Course Objectives

You will learn to use *limits*, expressing the end results of some infinite processes. You will learn the definition of *derivative*, or rate of change, in terms of limits. You will learn an algorithm to calculate derivatives of elementary functions. You will learn the definition of *integral* as a limit of *Riemann sums*. You will learn the *fundamental theorem of calculus*, which reduces the calculation of integrals to calculating antiderivatives. Finally, along the way you will learn several of the many *applications* of these methods.

Section Information

Class: MTWF 9:30–10:20,
302 Engineering South
Office Hour: Monday 10:30–11:30
MLSC Hour: Wednesday 10:30–11:30
WebAssign Key: okstate 4399 7422

Required Materials

- *Calculus: Early Transcendentals*, 3rd ed., by Rogawski and Adams
- A subscription to WebAssign
- Access to <https://online.okstate.edu/>

Class Structure

Fridays are planned to begin with a **five- to twenty-minute quiz**, followed by a lecture.

Other classes are structured as a lecture interrupted by a five-minute exercise.

Tentative Schedule

Limits: 21st Aug. to 12th Sep.
Derivatives: 13th Sep. to 31st Oct.
Integrals: 1st Nov. to 1st Dec.

MLSC

Please avail yourself of the **Mathematics Learning Success Center** on floor 5 of the Edmon Low Library. Tutoring for Calculus I is scheduled in the West Tutoring Room. For more information, check math.okstate.edu/mlsc.

Parachutes:

Before September 4th, Dr. Francisco may be able to “parachute” you to College Algebra, to Trigonometry, or to Precalculus with no grade penalty. Contact me as soon as possible if you wish to pursue this option.

Disability Accommodation

Contact me and Student Disability Services **now** if you need accommodations for a disability. It takes time to get paperwork through.

Academic Integrity

All work you submit as your own must be your own. You must also not permit others to copy your work as their own. Violations of OSU's academic integrity may subject you to receiving the sign **F!** on your transcript denoting such a violation, or to suspension from OSU.

Final Exam

Upon the conclusion of the course, you must undergo a comprehensive final exam. The final exam is scheduled to take place on **Tuesday, the 12th of December, from 12:00 to 1:50 p.m., in 108 Engineering North.**

Midterm Exams

You must also undergo three *midterm* exams scheduled on the following **Thursdays 5:30 to 6:30 p.m. in 108 Engineering North:**

- Exam 1: 21st September
- Exam 2: 26th October
- Exam 3: 30th November

If these exam times conflict with a laboratory or practicum class in which you are enrolled, please **alert me and alert the administrators of that class of this conflict well in advance.**

Exam-Time Emails

I may not respond to emails received 24 hours before an exam until after the exam.

Assessment Technology

You may bring an approved calculator and a prepared 3 × 5-inch note card to assessments.

Immediate access to the following capabilities during assessments constitutes a violation of OSU's academic integrity: computer algebra systems (CASs); image capture; video capture; and telecommunication. Devices with such access must be turned off and placed in an opaque container, or handed in to me.

You may borrow an approved calculator for the semester from MSCS 401 without charge.

Grade Rubric

Category	Scheme I	Scheme II
Exams 1–3	15% each	10% each
Final Exam	25%	40%
WebAssign	15%	15%
Quizzes	15%	15%

For each student, the scheme above that results in the higher grade will be used. The letter grade is determined as follows: let $A = [90, 100]$, $B = [80, 90)$, $C = [70, 80)$, $D = [60, 70)$, and $F = [0, 60)$. A grade $X\%$ is lettered by the above interval in which X lies.

Grade Policies

I will not take attendance.

You may be able to make-up a missed exam for a valid reason documented in advance. **Notify me as soon as you know of a conflict, or you may be ineligible for a make-up.**

Students late to quizzes get no extra time. **The worst three quiz grades don't count.**

You have three chances to answer each WebAssign question with no score reduction, and two more chances, each with 20% reduction.

Sometimes WebAssign goes down. I have incorporated this possibility into my choice of deadlines. Plan to finish your homework two days before the formal deadline.

OSU Policy

At studentconduct.okstate.edu/code you can find the *Student Code of Conduct*, which sets forth the University's expectations of student behavior and its procedures for dealing with misbehavior.

OSU Resources

You should read the Fall 2017 Syllabus Attachment at academicaffairs.okstate.edu/content/resources-faculty-staff.

It contains vital information such as add/drop dates and disability policy, and also it has references to OSU's many resources.

Acknowledgements

I thank Drs. Hoffman and Tallman for resources on which I based this syllabus.