

MATH 131-05: Calculus I
University of Massachusetts, Fall 2019
MWF 1:25 - 2:15 PM, LGRT 123

Instructor: A. Havens (havens@math.umass.edu)

Office Hours: Mondays 11 am - 12pm & 4:00 pm - 5:00 pm, Wednesdays 12-1 pm, and Thursdays 9 am - 11:00 am, or by appointment. All instructor office hours held in LGRT 1316 unless otherwise notified.

Teaching Assistant: Jiangyi Qiu (jiangyiqu@math.umass.edu)

Jiangyi's office hours are Mondays 2-3 pm, and Wednesdays, 10:30-11:30 am in LGRT 1427.

Prerequisites: High school algebra, plane geometry, trigonometry, and basic analytic geometry, as covered e.g. in a pre-calculus course.*

Course Website: http://people.math.umass.edu/~lian/math131_course%20web.htm

This is the main course web portal compiled by course chair Jinguo Lian, and it is **required reading**.

Section Website: people.math.umass.edu/~havens/math131F19.html

This is where I'll compile resources for our section, such as discussion information, assessment and quiz solutions, and announcements relevant to our section.

Discussions: Your TA and discussion leader is Jiangyi Qui.

Math131.05AA: Thursday, 2:30 - 3:20 pm in the Lederle Graduate Research Tower, room 171.

Math131.05AB: Thursday, 1:00 - 1:50 pm in the Lederle Graduate Research Tower, room 171.

Discussions are mandatory and factor into your grade. You must attend the discussion for which you are registered.

Grading: Your course grade will be determined based on the following:

4% Attendance	6% Discussion	10% Homework
25% Midterm 1	25% Midterm 2	30% Final Exam

If your final exam score exceeds the average of your midterm exam scores, then the final will count for 35% and each midterm will count for 22.5%.

Grading Scale:

A	A-	B+	B	B-	C+	C	C-	D+	D	F
90	87	83	79	75	71	67	63	59	55	< 55

Decimals are truncated, so for grading purposes, an average of 89.98% is equivalent to an average of 89%, both yielding an A-.

Important Dates:

Sep. 4: First 131 lecture

Sep. 16: Add/drop deadline

Oct. 2: Midterm 1

Oct. 29: Mid-semester point (withdraw deadline)

Nov. 13: Midterm 2

Dec 11: Last day of classes

Dec 16: Final exam

*In particular, you should be fully comfortable with factorization of polynomials of low degree, the unit circle and elementary trigonometric identities, special right triangles, conic sections and their equations, transformations of graphs of functions, piecewise functions, and simultaneous solution of two linear equations.

Classroom Policy: You are expected to attend the lectures. If you must miss a lecture, I advise you to come to my office hours or the TA's office hours as soon as possible. Daily assessments are used to record attendance. Please try to arrive a few minutes early so we can get started right at 1:25 PM. Turn off/silence cell phones or other noisy devices before 1:25 PM. If you must take an emergency call, please leave quietly and accept the call out of earshot from university classrooms. Please do not use a laptop, tablet, smartphone, or similar computing device during class (exceptions may be granted for students with a letter of accommodation who properly request the use of such a device as a learning aid).

Textbook, Homework, and Quizzes: We use the book *Calculus: Early Transcendentals 8E* by James Stewart. An access code for the online homework system at www.webassign.com is required, and comes with a free online ebook version of the text. You can purchase this online (there's a link in the Spire description of the course).

Assignments may take longer than 59 minutes, and may occasionally be difficult, so it is best to attempt problems early and give yourself time to ask me or your TA questions, or to visit the CTC well before the final hour.

Exams: There will be two midterm evening exams, locations to be announced:

Midterm Exam 1: Wednesday, October 2nd from 7:00 PM to 9:00 PM

Midterm Exam 2: Wednesday, November 13th from 7:00 PM to 9:00 PM. If you must miss an exam for any reason, you must notify me and provide documentation at least two weeks before the date of the exam. If you need special accommodations for the exams, please notify me by email and contact the disability services center at examsaccess@admin.umass.edu as early as possible. They handle a large volume of accommodation requests, so you must be proactive to guarantee an accommodated exam proctored through disability services.

The final exam will take place on Monday, December 16th from 1 to 3 PM in Boyden gym.

Calculators: There is no required calculator or graphing utility for this course. While calculators are a valuable tool, and while I encourage visualization of problems, I expect that you can defend assertions algebraically and analytically, and can occasionally reason geometrically and visually without the crutch of a graphing utility. Some homework problems may require a calculator, but unless otherwise indicated, all answers should be given exactly and all work should be shown. I reserve the right to stipulate that a problem is to be solved without the aid of 21st century electronic technologies. **Calculators and formula reference sheets are forbidden for all sections during the midterms and the final exam.**

Office Hours and Tutoring: I will hold office hours in LGRT 1316. If you cannot make the listed times, please email me and give your availability to schedule an appointment.

The Calculus tutoring center (CTC), located in LGRT 140, is open Monday through Thursday from 10:00 AM to 3:00 PM. It is a computer lab in which you can use to work on the WebAssign homework, staffed by UMass Calculus instructors and TAs who can help you and answer questions. I am in the CTC on Tuesdays and Thursdays, from 11 am to 12 pm.

Academic Honesty and Good Conduct: All issues will be handled strictly according to the UMass Code of Conduct, as detailed on the Dean of Students Office website.