

MATH 231: Calculus II Lectures A and O, University of Illinois, Urbana-Champaign Fall 2021

Course instructor

- Prof. Guzman Email: rguzma1[at]illinois.edu; see Moodle for TA contact info
- Office Hours: Wednesdays 9 - 9:50am, 10 - 10:50am, 11 - 11:50pm, At these times I will be available on a Zoom link via our class Moodle page. These times correspond to our regularly scheduled class times.

Course Information:

Description: Calculus II assumes a working knowledge of limits, derivatives, basic integration, and integration by substitution. We will learn different techniques of integrating functions (such as partial fractions and trig substitution). We go on to study infinite sequences and series and their applications. While lecture and section will include many worked examples, you may be asked to solve a problem covered in the course material that doesn't match up to the specific examples covered in class.

- Textbook: James Stewart, Calculus: Early Transcendentals, 8th edition, with Enhanced WebAssign. For complete information on purchasing options for both, see <http://go.illinois.edu/CalculusBookInfo>
- If you have the standard text and WebAssign package from Math 220 or 221 from the last semester, then you already have everything you need for this course. Even before you purchase WebAssign, you can freely use it for the first two weeks of class and so not miss any homework assignments.

Weekly Structure:

- **Lecture Videos - Asynchronous and to correspond to Monday/Wednesday lecture days** (available at 12:01 am Mondays):
 - Each week there will be various short, prerecorded video lectures, with pdfs of the notes available. (Links in Moodle.)
 - We expect you to take your own notes when listening to the lectures and reading the textbook. Please watch/read the lectures before each discussion section, as the worksheets are designed to be done the day after lecture.
- **Discussion Sections – Tuesday/Thursday in-person** (also see “Worksheets” under the section below titled “Your grade”):
 - Discussion sections will be in-person on Tuesday and Thursday. Much of the discussion time will be spent working on worksheets in groups of approximately four. You will submit your worksheets at the end of class via Moodle upload.

- For each group, one of the worksheets will be uploaded/graded, and all members of the group will get that score.
- We expect you to be on time, stay throughout section, and actively discuss the material with your group during groupwork.

Zoom Professor office hours on Wednesdays (not required): There will be Zoom office hours on Wednesday at the standard class times (8am, 9am, 10am). If you attend, please go to the class at the time you are signed up for. (Zoom links in Moodle.)

Zoom TA office hours (optional attendance): Several hours are scheduled for Mondays, and a few on other weekdays, tentatively beginning 8/25 as grad students' schedules are still being finalized. (Zoom links and full TA hours schedule in Moodle.)

Weekly Schedule and Due dates (see Moodle for specific assignments):

- Monday: Watch Lecture Videos
- Tuesday: Lecture Quiz due at 8am; Previous week HW due at 8am; Written HW due at 8am in the week before an exam; Exam every 2-3 weeks closes today; Meet with your in-person Discussion Section to complete Group Worksheet due at end of scheduled discussion section
- Wednesday: Watch Lecture Videos
- Thursday: Lecture Quiz due at 8am; start WebAssign HW by now; Meet with your in-person Discussion Section to complete Group Worksheet due at end of scheduled discussion section
- Friday:
- All course work and videos for the week will be posted on our class Moodle page on Monday morning 12:01 AM. Thus on Monday you will see videos and lecture quizzes for Monday/Wednesday lectures, worksheets for Tuesday/Thursday discussions, Written HW for the week, and WebAssign HW for the week.
- The week before an exam, a study guide and a practice exam will be posted.

Approximate Reading Schedule:

- Week 1: Sections 5.3, 5.4, 5.5
- Week 2: Sections 6.1, 6.2
- Week 3: Sections 6.3
- Week 4: Sections 7.1, 7.2, 7.3
- Week 5: Sections 7.3, 7.4, 7.5
- Week 6: Sections 7.8

- Week 7: Sections 7.7, 8.1, 8.2, 8.3 •
- Week 8: Sections 8.3, 11.1, 11.2
- Week 9: Sections 11.2, 11.3
- Week 10: Sections 11.4, 11.5, 11.6
- Week 11: Sections 11.7, 11.8, 11.9
- Week 12: Sections 11.10
- Week 13: Sections 11.11, 10.1
- Week 14: Fall Break
- Week 15: Sections 10.1, 10.2, 10.3
- Week 15: Sections 10.3, 10.4
- Week 16: Prepare for final exam

Grade Information: Overall grade cutoffs will never be stricter than 90% for an A- grade, 80% for a B-, and so on. We will not curve the final averages down. For example, if your final average in the class is 80% then your grade will be at least a B-. The precise function which assigns a letter grade to each percentage will be determined at the end of the course.

Your grade: Homework/Written HW/Lecture Quizzes/Groupwork/Midterms/Final

- **WebAssign Online Homework (8% of overall grade):** There will be regular online homework assigned via WebAssign for each lecture. Your two lowest homework grades will be dropped at the end of the semester. Each week's two WebAssign assignments are both due together the following week, on Tuesday at 8am.
- **Written Homework (2% of overall grade):** In weeks preceding an exam you will submit by Tuesday at 8am, via Moodle upload, a pdf writeup of two theorems and three definitions which are taken from the text or lectures.
- **Lecture Quizzes (7% of overall grade):** There will be a short Lecture Quiz assigned every Tues- day/Thursday to check basic comprehension of lecture material. The lecture quiz is due the following day by 8am.
- **Worksheets/Groupwork (8% of overall grade):** During discussion sections on Tuesday/Thursday, you will be arranged in a group of 3 - 4 students. The group will work together to solve worksheet problems, but each student should fill out their own worksheet. Exactly one student from the group must upload the worksheet to Moodle for grading within the last 5 minutes of discussion (no late submissions accepted). The names of all group members who were present must be on this worksheet (circle uploader name, provide group name in upper-right), as well as listing any group members absent. Each group member will receive the same score from this worksheet. Members should rotate uploading worksheets.

- **Midterm exams (Lowest Exam 0%, Second Lowest Exam 10%, Other 3 exams 15% each):** There will be 5 midterm exams during class, each administered via CBTF, the Computer-Based Testing Facility at U of I (links in Moodle). The complete list of the Midterm Exams 1 –5, in respective order, is as follows:

Midterm Exams Schedule

Name	Length	First Day	Last Day	Avail. Date	Exam Protocol
Exam 1, Week 3	50min	Sun, Sep 5	Tue, Sep 7	Thu Aug 26 9:00 am	PrairieLearn Linked exams:
Exam 2, Week 5	50min	Sun, Sep 19	Tue, Sep 21	Thu Sep 9 9:00 am	PrairieLearn Linked exams:
Exam 3, Week 7	50min	Sun, Oct 3	Tue, Oct 5	Thu Sep 23 9:00 am	PrairieLearn Linked exams:
Exam 4, Week 9	50min	Sun, Oct 17	Tue, Oct 19	Thu Oct 7 9:00 am	PrairieLearn Linked exams:
Exam 5, Week 12	50min	Sun, Nov 7	Tue, Nov 9	Thu Oct 28 9:00 am	PrairieLearn Linked exams:

- **Final exam (20%):** This will cover all class material. Exact days and times, as well as the CBTF registration schedule for the exam to be posted when made available.

Policies:

- **Calculators:** While calculators may be used in class or to help with homework, they will not be permitted in exams.
- **Professionalism:** Use your university email in all course communications. Write clearly and professionally, trying to use proper English and grammar in any course-related communication (emails, chats, discussions). Whether you are writing a discussion post or a message to your instructor, stay focused on the topic.
- **Netiquette:** In an online course, most communication is done through written messages. It is important that students be sensitive to how messages and sentiment are communicated and received. Remember you are communicating with real people. Whether you are writing a discussion post or message to your instructor, be professional. Do not belittle other students and be forgiving of the mistakes of others---many are learning aspects of calculus for the first time. If you may disagree, try to focus on the issue, not the person. Be kind, thank people for their response, let them know you appreciate their time, etc. In other words, behave online as you would in person.

Other Administrative Information:

- **Technology you will need:**

- To have access to the internet using a laptop or desktop computer, in order to watch class videos, participate in worksheet uploading at the end of your in-person discussion section, join Zoom TA and Prof. Office hours, and **take exams (You must check in advance that you are registered and satisfy the CBTF requirements)**. Students are responsible for having a backup plan if the primary computer crashes and/or Internet service fails.
 - The ability to scan homework and worksheets to a .pdf file (for this a smartphone will suffice).
 - To know how to download files and have the ability to install software. Students must have Adobe
 - Acrobat Reader (free download) installed on the computer.
- **Course Communication and Campuswire Bulletin Board:**
 - The TAs will hold zoom office hours for several hours on Mondays and other scheduled days (see Moodle), and the professor's zoom office hours will be on Wednesdays during the standard class times (8am, 9am, 10am). You are welcome to go to any of them.
 - For questions throughout the rest of the week, please ask on the class feed on the Campuswire (invite will be sent on 8/24). If you have a question, chances are that some of your classmates also want to know! You can ask anonymously to the other students, if you like. T
 - **We expect you to check the class feed before emailing your TA or professor. Please use email only for personal and more important issues.**
 - The Math 231 team checks the course frequently for postings throughout the week. We will try to respond to weekday messages within 24 hours, and weekend messages by the end of Monday.
 - On the class feed, be civil and kind. Do not post full solutions to homework problems (but hints are fine!). Any discussion of exam or quiz problems before their end times will be considered cheating.
 - **Late work/Absences/Drops:** Late work is not accepted. We understand that situations arise during the semester, which is why we will drop your lowest 2 written HW scores, your lowest 2 WebAssign HW scores, and your lowest 4 Worksheet scores at the end of the semester. This is the only reason we drop scores. The university policy on excused absences will be followed and verified absences from the Office of the Dean of Students (Student Assistance Center) are required; see <https://odos.illinois.edu/community-of-care/resources/students/absence-letters/> . To receive consideration, please notify your professor and TA as soon as possible, and in advance when possible, indicating you have

applied for/received a verified absence or have other University-approved absence and must miss work.

- **The Online O Section:**

- Discussion sections for the online O section will be held online on Zoom, and participation in section is required. You will scan and upload your worksheets at the end of each section (as do in-person students).
- You will be uploading all of your work to Moodle.
- The midterm exams and final exam will be zoom proctored via CBTF, requiring a **separate** phone or tablet than the one used for the test.
- See learn@illinois for more information.

- **Disability Services (DRES):** Students with disabilities who require reasonable accommodation to participate in this class should contact the Instructor, TA, and CBTF (review their documentation for DRES accommodations at links provided in Moodle) as soon as possible with their LOA. Any accommodation for exams must be requested at least a week in advance and will require a letter from DRES, and about a month for the final exam in accordance with DRES recommendations.

- To obtain disability-related academic adjustments and/or auxiliary aids, students should contact the Disability Resources and Educational Services (DRES) at <https://www.disability.illinois.edu/academic-supports/academic-accommodations> as soon as possible. You should submit your official documentation to your instructor within a week of the start of classes.
- You must also inform CBTF about your accommodations even if you have used them for previous classes.

- **Cheating Policy:** Cheating is taken very seriously as it takes unfair advantage of other students in the class; any infraction is handled as per Article 1 Part 4 of the student code. Penalties for cheating on exams in particular are very high, typically resulting in a 0 on the exam or an F in the class.

- **Honor code:** All work is conducted under the UIUC Student Conduct Code. In particular, all graded work you turn in must be your own.
- For information on the university cheating policy, see the section in the student guide on [academic integrity](#).
- We will handle cheating cases under the procedures of [Article 1, Part 4 of the Student Code](#). "Regardless of whether a student has actually read this Part, a student is charged with knowledge of it."
- Note that by university policy, a course with a cheating violation cannot be later retaken for a [grade replacement](#)

- **COVID Information**

- This course and all classroom policies will follow the [campus COVID requirements](#) as specified by the University.
- If we have to go back to "all remote" classes midsemester, the discussion sections will shift to zoom, we'll provide a way to upload worksheets remotely, and the written tests will be replaced with an online zoom proctored final.
- Please do not come to class if you may have COVID or if you have symptoms of any illness. (This is precisely why we are incorporating 4 worksheet drops.)
- If you test positive for COVID, please do not come to class and contact the Student Assistance Center <https://odos.illinois.edu/community-of-care/resources/students/absence-letters/> to procure a verified absence, and alert your professor and TA immediately.
- We are already structured to allow for a seamless transition online if the University moves to remote-only.