

Mathematics 1311-004: Accelerated Engineering Calculus I Fall 2021 Syllabus

Red font = information about COVID-19

Blue font = updates since the first day of class

Instructor: Amanda Alexander (she/her/hers)

Office: LCB 311

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Lab TA: Sudheesh Surendranath

E-mail: sudheesh@math.utah.edu

Please email Sudheesh about any concerns related to the lab.

Accessibility and support:

- **Office hours:**
Thursdays at 2:00pm - 3:00pm on Zoom (link found on Canvas),
Fridays at 11:45am - 12:45pm in my office, LCB 311.
- Please email me or send me a message in Canvas if you have any further questions or concerns that cannot be addressed in office hours. I check my email every day and will usually respond to emails within two days. Examples of reasons to email me:
 - Mathematical question that you were unable to ask during office hours or in class
 - **Concerns about obtaining accommodations if you are quarantined due to COVID-19 (more on this topic below - see red colored text)**
 - Questions about class policies
 - To let me know that you aren't feeling well (physically and/or mentally) and discuss strategies to maintain your academic success
 - You are interested in mathematical research (I study mathematical biology!) and/or opportunities through the Association for Women in Mathematics
 - etc

Text: Calculus: Concepts and Contexts, By James Stewart, 4th edition. ISBN: 13-9780495557425

An online version of this textbook is available on Canvas at a \$40 rental fee that is automatically added to your tuition as a course fee unless you opt out of the Inclusive Access program. I believe that this is the cheapest option to access the textbook, but you may request to opt out at <https://portal.verba.io/utah/login>.

Prerequisites: AP Calculus AB score of 4 or better OR AP Calc BC score of 3 or better

Course Details

Canvas: Our course website will be found on Canvas, which you can access through your CIS student portal. All important communications about the course will be announced in class and posted online via Canvas announcements. All grades will be posted on Canvas, but I do not use Canvas to calculate final grades and thus your overall percent grade on Canvas should be viewed as an approximation of your final grade. I will also post review materials on Canvas before quizzes and exams. I recommend checking Canvas at least once a day in order to stay on top of course material and updates.

Location and meeting times: WEB L110; Mon, Tues, Wed, Fri at 10:45am-11:35am

Lecture: Lectures will be held in person, at the location listed above. **If you cannot attend a lecture due to COVID-19 precautions, please email me and I can send you detailed notes and/or videos about what we covered that day.** I highly recommend attending lectures so that you can ask questions and get to know your classmates, but attendance is not required.

Lab: Your lab will be run by a TA on **Thursdays, 10:45-11:35am, in LCB 219.** Attendance is mandatory, except for extenuating circumstances. The TA will grade your weekly lab worksheets and communicate lab policies. The TA and I will meet weekly to ensure that lab problems align with the lecture portion of the course. Your lab grade will be incorporated into your overall course grade, as outlined in the grading policy in this syllabus.

Homework: Problems will be announced in person and posted on Canvas every Friday. They will be due the following Friday at 11:59pm, unless there is a midterm that week. You will submit your homework online via Gradescope. I will post instructions explaining how to do this on Canvas during the first week of class. *Your lowest scoring homework assignment will be dropped from your grade, but no late homework will be accepted.*

Quizzes: A 15-minute quiz will be given every Friday in class, unless there is a midterm that week. **I will scan your completed quizzes and upload them to Gradescope, and they will be graded online.** Please let me know if you want the hard copy of your quiz returned. **If you are unable to attend class due to COVID-19 precautions, please email me and I can give you an online quiz instead.** In other extenuating circumstances that cause you to miss class, and with at least one week of advance notice, I can give you an online quiz on the same day. *Your lowest scoring quiz will be dropped from your grade, but no make-up quizzes will be given.*

Midterms: We will have three midterm exams during class time on **Sept. 17th, Oct. 22nd, and Nov. 12th.** Optional practice problems and a knowledge checklist will be posted one week before each midterm instead of a homework assignment. **I will scan your completed midterms and upload them to Gradescope, and they will be graded online.** Please let me know if you want the hard copy of your midterm returned. Midterms can be rescheduled if absolutely necessary, only if I am notified at least a week prior to the date of the midterm (or as soon as possible in extenuating circumstances, **or due to COVID-19 precautions**).

Final exam: A two-hour comprehensive final exam will be on **Wednesday, December**

15th, 2021, 10:30 am – 12:30 pm. Students must take the final exam to pass the course. Please notify me as soon as possible if you need accommodations due to COVID-19 or other extenuating circumstances.

Collaboration and use of outside resources: You are allowed and encouraged to collaborate with other students and use a calculator on homework and lab assignments, but the answers and explanations that you turn in must be written in your own words. You must work individually on quizzes, midterm exams, and the final exam, without consulting any notes or other outside resource. Additionally, no calculators are allowed on quizzes, midterms, or the final exam. I consider any violation of these rules to be cheating, and if I see strong evidence of this behavior I will notify you and take disciplinary action according to the academic dishonesty statement below.

Grading policy:

- Homework: 10%
- Quizzes: 10%
- Lab sheets: 20%
- Midterms: 30%
- Final: 30%

Grading scale: A (93-100), A- (90-92.9), B+ (87-89.9), B (83-86.9), B- (80-82.9), C+ (77-79.9), C (73-76.9), C- (70-72.9), D+ (67-69.9), D (63-66.9), D- (60-62.9), E (0-59.9)

Additional policies and resources

Important dates:

Last day to add classes without a permission code: Friday, August 27th

Last day to add, drop, elect CR/NC, or audit classes: Friday, September 3rd

Last day to withdraw from classes: Friday, October 22nd

Holidays: There will be no class on September 6th (Labor Day), October 10th-17th (Fall break), November 25th-28th (Thanksgiving break)

Please check the academic calendar for other information at:

<https://registrar.utah.edu/academic-calendars/fall2021.php>.

COVID-19 Considerations: In addition to the accommodations for this course that I list in red above, I want to share the following message about University policy:

University leadership urges all faculty, students, and staff to model the vaccination, testing, and masking behaviors we want to see in our campus community. These include:

Vaccination:

- Get a COVID-19 vaccination if you have not already done so. Vaccination is proving highly effective in preventing severe COVID-19 symptoms, hospitalization and death from coronavirus. Vaccination is the single best way to stop this COVID resurgence in its tracks. Visit <http://mychart.med.utah.edu/>, <http://alert.utah.edu/covid/vaccine>, or <http://vaccines.gov/> to schedule your vaccination.

Masking:

- While masks are no longer required outside of Health Sciences facilities, UTA buses and campus shuttles, CDC guidelines now call for everyone to wear face masks indoors.

Testing:

- If you are not yet vaccinated, get weekly asymptomatic coronavirus tests. This is a helpful way to protect yourself and those around you because asymptomatic individuals can unknowingly spread the coronavirus to others. Saliva based testing is available at alert.utah.edu/covid/testing

Self-Reporting:

- All of us, including faculty, students, and staff, must self-report if we test positive for COVID-19 via this website: <https://coronavirus.utah.edu/>.

Academic dishonesty: Academic dishonesty is strictly not tolerated and subject to an automatic E in this course; your enrollment in this course indicates that you understand and will follow my and University policies regarding academic dishonesty. As defined in the University Code of Student Rights and Responsibilities, academic misconduct includes, but is not limited to, cheating, misrepresenting one's work, inappropriately collaborating, plagiarism, and fabrication or falsification of information. It also includes facilitating academic misconduct by intentionally helping or attempting to help another student to commit an act of academic misconduct.

Inclusivity Statement: It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, and veteran status, and other unique identities. Your suggestions are encouraged and appreciated. Please let me know of ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

The Americans with Disabilities Act: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability & Access, 162 Olpin Union Building, 801-581-5020, <https://disability.utah.edu/>.

CDA will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

Sexual Misconduct: Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has been harassed or assaulted on the basis of your sex, office for equal opportunity and affirmative action including sexual orientation or gender identity/expression, you are encouraged to report it to the University's Title IX Coordinator; Director, Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, <https://oeo.utah.edu/contact-us/index.php> or to the Office of the Dean of Students, 270 Union Building, 801-581-7066, <https://deanofstudents.utah.edu/>.

For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776.

To report to police, contact the Department of Public Safety, 801-585-2677(COPS), <https://police.utah.edu/>.

Campus Safety: The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.

Student names and personal pronouns statement: Class rosters are provided to the instructor with the student's legal name as well as "Preferred first name" (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, I will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, etc. Please advise me of any name or pronoun changes (and update CIS), so I can help create a learning environment in which you, your name, and your pronoun will be respected. If you need assistance getting your preferred name on your UID card, please visit the LGBT Resource Center Room 409 in the Olpin Union Building to schedule a time to drop by. The LGBT Resource Center hours are M-F 8am-5pm.

English Language Learners: If you are an English language learner, please be aware of several resources on campus that will support you with your language and writing development. These resources include: the Writing Center (<http://writingcenter.utah.edu/>); the Writing Program (<http://writing-program.utah.edu/>); the English Language Institute (<http://continue.utah.edu/eli/>). Please let me know if there is any additional support you would like to discuss for this class.

Undocumented Student Support: Immigration is a complex phenomenon with broad impact—those who are directly affected by it, as well as those who are indirectly affected

by their relationships with family members, friends, and loved ones. If your immigration status presents obstacles to engaging in specific activities or fulfilling specific course criteria, confidential arrangements may be requested from the Dream Center. Arrangements with the Dream Center will not jeopardize your student status, your financial aid, or any other part of your residence. The Dream Center offers a wide range of resources to support undocumented students (with and without DACA) as well as students from mixed-status families. To learn more, please contact the Dream Center at 801.213.3697 or visit dream.utah.edu.

Veterans Center: If you are a student veteran, the U of Utah has a Veterans Support Center located in Room 161 in the Olpin Union Building. Hours: M-F 8-5pm. Please visit their website for more information about what support they offer, a list of ongoing events and links to outside resources: <http://veteranscenter.utah.edu/>. Please also let me know if you need any additional support in this class for any reason.

Student Success Advocates: The mission of Student Success Advocates is to support students in making the most of their University of Utah experience (ssa.utah.edu). They can assist with mentoring, resources, etc. Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact a Student Success Advocate for support (<https://asuu.utah.edu/displaced-students>).

Wellness statement: Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student's ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness at www.wellness.utah.edu or 801-581-7776.

University Counseling Center: The UCC staff is committed to supporting the mental health needs of our campus community. Their phone number is 801-581-6826. Their hours are Monday-Friday, 8:00am-5:00pm. For after-hours emergencies, contact the 24/7 Crisis Line: 801-587-3000 . More information is at <https://counselingcenter.utah.edu/> .

Office of the Dean of Students: The Office of the Dean of Students is dedicated to being a resource to students through support, advocacy, involvement, and accountability. It serves as a support for students facing challenges to their success as students, and assists with the interpretation of University policy and regulations. To contact the Office of the Dean of Students, please email deanofstudents@utah.edu or call 801-581-7066. There is more information at <https://deanofstudents.utah.edu/> .

Lodging Complaints: If you feel that I have disrespected you, not accommodated you, made you feel unsafe, harassed you in any way, etc., please let me know. I will be more than happy to change my behavior and work with you to make the class more safe and/or accessible; I strive to create a safe learning environment for all students. Though you can reach out to me, I understand confronting someone who has disrespected/offended/harassed/upset/hurt you can be difficult. If you would like to lodge a formal complaint against me (for my teaching, behavior, class conduct, etc.), you may email my course coordinator, Will Nesse, at nesse@math.utah.edu.

I reserve the right to change my policies stated in this syllabus at any point in the semester. If I do make a change to a policy, I will announce it in class as well as communicate the change via email or an announcement in Canvas.