

**Instructor:** Dr. Elisa Bellah  
**Lectures:** MWF 3:35-4:25pm  
**Location:** Doherty Hall 2210

**Office:** Wean Hall 8119  
**Office Hours:** W 12:15-1:15pm, F 2-3pm  
**Email:** ebellah@andrew.cmu.edu

**Text:** [OpenStax Calculus Volume 1](#).

**Recitation and TA Contact Information:** Please note that you must attend the recitation section you are registered for, but you may attend any of the TA office hours.

TA	Email	Recitation	Office	Office Hours
Aidan Copinga	acopinga@andrew.cmu.edu	M (8 am) N (10:10 am)	Wean Hall 7209	MF 10-11am
Iris Ye	maolinsy@andrew.cmu.edu	O (9:05am)	Wean 6215	TR 4:15-5:15pm
David Rotunno	drotunno@andrew.cmu.edu	P (2:30pm)	Wean 6215	R 10-11am, F 11:15am-12:15pm
Steven Zhang	stevenzh@andrew.cmu.edu	Grader	Wean 6215	M 4-5pm, T 10-11am

**Course Description:** This course will cover Chapters 2 through 6 of OpenStax Calculus Volume 1. This includes the study of limits, derivatives, integrals, and their applications.

**Prerequisite:** While there are no formal prerequisite requirements for this course, it is expected that you have a strong precalculus background. This includes proficiency in basic algebra, as well as familiarity with linear, exponential, logarithmic, and trigonometric functions, composition of functions, and inverse functions.

**Canvas and Course Website:** Course documents and information can all be found on the [course webpage](#), which is housed on my website ([andrew.cmu.edu/user/ebellah](http://andrew.cmu.edu/user/ebellah)). Canvas will be used for announcements, concept quizzes, and to post grades. You will be expected to access both Canvas and the course webpage frequently. I suggest you change your notification settings on Canvas to receive emails when course announcements are posted, as this will be the primary way I communicate with you.

**Weekly Schedule:** Unless otherwise specified, our weekly schedule will be as follows. Note that we meet as a class in Doherty on MWF, and you meet in your individual recitation sections on TR.

Day	Agenda
Monday	Lecture
Tuesday	Start Worksheet Concept Quiz due by 11:59pm
Wednesday	Lecture
Thursday	Turn in Worksheet Concept Quiz due by 11:59pm
Friday	Lecture

## Assessment and Grades

There are four basic kinds of graded work you will be doing, which will be weighted according to the following scheme:

**Concept Quizzes (10%):** Concept quizzes will be assigned on Canvas at the beginning of each week. You will have two quizzes to complete by 11:59pm each Tuesday and Thursday, except during exam weeks. Each quiz will cover material from the previous day's lecture. You are welcome to use whatever resources you would like to complete the concept quizzes.

**Worksheets (10%):** Each week, you will be given a packet to complete with around 3-4 of your peers during your recitation sections. Attendance and participation will be considered during both recitation meetings, and will contribute to your overall worksheet score. To earn full participation points, you are expected to spend the majority of

recitation time working diligently with your group. Note that these worksheets are intended to be a group effort. I expect groups to engage in regular discussion. I also expect you to show kindness and respect to your group mates. Our goal should be to cultivate an inclusive and safe environment so that everyone can participate and contribute to the conversation. Worksheets will be collected at the end of your recitation section each Thursday and will be graded on completion.

**Homework (20%):** Homework will be collected on Gradescope, and generally must be submitted no later than 7pm each Monday. Assignments must be carefully scanned and uploaded to Gradescope no later than the indicated time. There will be no exceptions for technology issues, so I suggest you upload your homework at least an hour before the deadline. A detailed description of my expectations will be included with each assignment, which I will provide each week. Length of homework assignments will be based on material covered in lecture. A random selection of problems will be graded and returned to you within one week of submission. Late work will not be accepted without a verifiable excuse (e.g. a doctor's note), but I will drop your lowest two homework scores.

**Exams (60%):** There will be three exams given during the semester and one final exam. Each exam will be worth 15% of your total grade. The tentative exam schedule is as follows:

Exam 1:	Friday of Week 4 (Sep. 23)
Exam 2:	Friday of Week 7 (Oct. 14)
Exam 3:	Monday of Week 12 (Nov. 21)
Final Exam:	Finals Week (date TBA)

You will be allowed a half page of notes for Exams 1 through 3, and a full page of notes for the Final Exam. Note that Exams 1 through 3 will only cover new material, while the final exam will be cumulative. Specific information regarding each exam will be given as the exams get closer. At the end of the course, I will replace your lowest grade from Exams 1 through 3 with your Final Exam if it will positively impact your grade.

## Course Policies

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**Absences and Late Work:** You will be automatically excused from two absences from your recitation sections during the term, and I will drop your two lowest homework scores. If you need to miss a day, please do the following:

1. If you are absent on a lecture day, I suggest you contact someone from class for their lecture notes. Also see the "Lecture Recordings" section below.
2. If you are absent on a day worksheets are collected, email pictures (AS A SINGLE PDF) of your work **to your recitation leader** by 5pm on the day it is due. This mode of submission will only be accepted twice without a verifiable excuse.
3. If you are absent on an exam day, communicate this **to me** before the scheduled exam (it is strongly recommended you communicate this to me at least two days before the exam date if possible). Depending on your circumstance (e.g. illness, family emergency, etc), I may offer to schedule a makeup exam for you. If you do not communicate this to me ahead of time, or I do not feel your excuse merits a makeup, you will receive a zero on the exam.

If you need to miss a day and have a verifiable excuse (e.g. doctor's note, student athlete letter, etc) please make sure to communicate this to me **before** the day of your absence. Any further absences will result in a reduction of your score on the corresponding assignment. If you are absent with a verifiable excuse on a recitation day, please email **both me and your recitation leader** so that we can keep track of excusing the absence.

**Lecture Recordings:** I will attempt to record each lecture (keep in mind that the technology may fail some days), and will aim to release lecture recordings at the end of each week. I strongly suggest you still attend lecture, for the following reasons

1. In general, you will not have access to lecture recordings before your concept quizzes;
2. It will be more effective for your learning to stay on a regular lecture schedule.

If you need to miss a class and have a verifiable excuse (e.g. doctor's note, positive covid test), send me an email and I will release recordings to you early.

**Use of Resources:** You are allowed to use whatever resources necessary to complete homework assignments and concept quizzes, but ultimately the work you submit must be your own. For example, if you lookup a homework solution, I expect you to rework the problem in your own words. Any verbatim copying will be reported to the university as plagiarism. If you are unsure if you've used a resource properly, please ask during office hour. Note that I strongly suggest you attempt every problem on your own first. Learning to consistently solve problems on your own is the most important thing you can do to prepare for exams, which are weighted much more heavily in this course than homework. If you rely too much on external resources to help you solve homework problems, you will not be prepared to solve problems on your own during in-class exams.

**Regrade Requests:** You may submit regrade requests for any assignment given during the semester. When submitting your request, please clearly indicate a justification for the regrade (e.g. points have been added correctly, mark does not match the rubric, etc). All regrade requests must be made on Gradescope ([here is a tutorial](#)) **within one week** of the assignment being returned to you.

**Email:** The instructor and TAs will aim to respond to emails within one business day. Please note that you should not expect responses to emails outside of normal working hours (around 9am to 5pm) or on weekends. All emails must be sent through your CMU email address.

**Calculator Policy:** Scientific calculators will be needed for exams. Make sure you choose a calculator with each of the functions described [here](#). Graphing calculators are not necessary for this course, and will not be permitted on exams and quizzes.

## Additional Information

**Important Dates:** See the [CMU academic calendar](#) for a full list of dates. Here are some you may want to keep in mind:

Mon Aug 29:	Classes begin
Mon Sep 5:	Labor day (no classes)
Mon Oct 10:	Drop deadline (W assigned after this date)
Oct 17-21:	Fall break (no classes)
Mon Nov 14:	Withdraw deadline
Nov 14-18:	Spring registration week
Fri Dec 9:	Last day of classes

**Student Academic Success Center:** The SASC provides various programs to support student learning. Checkout the SASC's site ([cmu.edu/student-success](http://cmu.edu/student-success)) for a full list of programs. In particular, I encourage you to consider their [peer tutoring](#). This is a tutoring service available to all CMU students at no additional cost.

**Accommodations for Students with Disabilities:** If you have a disability and have an accommodations letter from the Disability Resources office, I encourage you to discuss your accommodations and needs with me as early in the semester as possible. I will work with you to ensure that accommodations are provided as appropriate. If you suspect that you may have a disability and would benefit from accommodations but are not yet registered with the Office of Disability Resources ([cmu.edu/disability-resources](http://cmu.edu/disability-resources)), I encourage you to contact them at [access@andrew.cmu.edu](mailto:access@andrew.cmu.edu).

**Respect for Diversity:** 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: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let me know 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