

## Math 232: Calculus II, Fall 2020

**Professor:** Tobias Johnson ([tobias.johnson@csi.cuny.edu](mailto:tobias.johnson@csi.cuny.edu))

**Office:** 1S-225

**Text:** *Calculus, Early Transcendentals* by Rogawski, Adams, and Franzosa. Officially, we use the current (4th) edition, but the 2nd, 3rd, and 4th editions are all basically the same and it's fine to use any of them.

**Course Website:** <http://www.math.csi.cuny.edu/~tobiasljohnson/232/>

I'll post lecture videos, announcements, and other course information here. There's a calendar for the class as well. We'll use Blackboard for posting grades and videoconferencing, but otherwise everything will be on the website.

**Office Hours:** I'll be available for video office hours through Blackboard. See the website for the time and other logistical information.

**Class overview:** The goal for the class is for you to understand the concepts of integral calculus and be able to solve problems that require it. The main reason to learn this material is that it is important to the further study of mathematics, and it is also used throughout the social and physical sciences and in statistics. Another benefit is that you'll hone your critical thinking.

### **Format:**

I'll post lecture videos on the course website, along with the message along the lines of "Watch this video before class on Monday, September 14th." I'll also include some suggested problems to work on after you watch the video but before class.

During a normal class, we'll meet over the Blackboard Collaborate videoconferencing platform (possibly we'll switch to using Zoom if it works better). You'll be assigned either to a group meeting from 10:10–11am or 11:10am–noon. We'll spend most of the class time working on problems in groups. We'll come together to review solutions, and I'll also answer questions you have and further discuss the material from the video lectures. Some of your grade will be based on class participation during this time. We'll occasionally have pop quizzes during this time, using the online system Webwork that we also use for homework.

We will have several exams and a final, also via Webwork (with a possible oral component). Midterms will use the entire class period, from 10:10am to noon. Homework will be through Webwork, which you've most likely used before for Math 231.

**Grading:** Here is how I will weight each graded component of the class:

Category	Date	Percentage
Class participation		10%
Homework	see website	15%
Quizzes	unannounced	10%
Exam #1	September 21	15%
Exam #2	October 19	15%
Exam #3	November 23	15%
Final	tba	20%

For the midterms, I'll give a approximate grade scale to tell you which score ranges on the test correspond to which letter grades.

A warning: **there will not be opportunities for make-up work or for extra credit.** This isn't meant to teach you a lesson or punish you or anything like that. Rather, it's that in my experience, if you lose the thread of the class, it's almost impossible to regain it.

I do understand that sometimes it can take a while before the course material starts falling together, and if you show strong improvement from the beginning to the end of the class, at my discretion I'll raise your grade by one step (e.g., from B+ to A-). This is only for students who show a major improvement from the beginning to the end of the class, and I should mention that I rarely use it (but I'm always happy when I get to!).

**Homework:** The homework for this class is done using the online system WebWork. It will be due once a week, usually on Thursday nights. You're encouraged to discuss problems together, though for your own benefit you must make sure that you're not just having other people do your work for you. If you're stuck or confused, email me or come and talk to me in office hours. Even if you got an answer right, if you don't completely understand it, it's a good idea to ask me for help.

You may submit Webwork problems up to a week after the due date, but you'll only receive 50% credit for answers submitted in this time. I'll also drop your two lowest scoring assignments when computing grades, since I understand that events might force you to miss a homework assignment from time to time.

**Midterms and Final:** You will have three midterms plus a final. You will be allowed to use your notes, textbook, and other class material on exams (video lectures, etc.), but you may not use outside resources, including the wider internet, other people in the class, or other people outside of the class. I'll give you some practice material for the exams so that you know what sorts of questions to expect on them.

**Quizzes:** We will have some pop quizzes during our class meetings. They'll be short, just a question or two.

**Excused Absences:** If you are forced to miss a class meeting or exam due to an unavoidable, compelling, and well-documented circumstance, contact me immediately and we will discuss the situation. For missing an exam, the most likely solution is that your remaining exams will be

weighted more heavily to make up for it. Here are some valid reasons to miss a test or class without penalty: observance of religious holidays, participation in certain university sponsored activities, and medical or family emergencies. Please try to make arrangements at least a week in advance, if possible. Of course, if you have an emergency, just write to me as soon as you can.

**Disabilities:** If you have a documented disability and wish to discuss academic accommodations, contact me as soon as possible.

**Recording on Zoom:** Students who participate in this class with their camera on or use a profile image are agreeing to have their video or image recorded solely for the purpose of creating a record for students enrolled in the class to refer to, including those enrolled students who are unable to attend live. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the “chat” feature, which allows students to type questions and comments live.

**The Unexpected:** Unexpected things happen to everyone, and right now the rate of unexpected occurrences is especially high. I’ll try to be as flexible as I can. Don’t hesitate to talk to me if your circumstances are making it hard for you or if the course policies treat your situation unfairly.