Math 221
Fall 2020
About the class
Welcome to Math 221!

Here is the basic structure of the class:

Monday: Homework Help sessions day. All homeworks, worksheets, and notes are due at 11pm.

Tuesday: Quiz or Exam almost every week

Wednesday: Discussion section

Thursday: Professor’s office hours

Friday: Discussion section
Homeworks on Webassign

Webassign is an online homework system.

It’s free for the first two weeks. After that, you’ll need to buy a code from the University Webstore. See learn@illinois for details.

It comes with a copy of the e-book.

Homeworks are due 11pm Monday.

You get 10% extra credit for any homework problems done 48 hours before the due date.

Use this login page:
https://www.webassign.net/uiuc/login.html
Discussion Sections are on Wednesdays and Fridays.

The zoom links for class can be found on learn@illinois.

For each section:

• Study the lectures and book before going to class, and make a written outline of your notes.

• The class starts with a short question session.

• Then you will work on worksheets in teams in breakout rooms.

• After class, complete the worksheets on your own and upload them and your notes to Gradescope.
Exams and Quizzes are on Tuesdays.

**Quizzes** will be open from 7am to 11pm on Quiz days, but once you start, you must finish in 30 minutes.

Quizzes will be on Gradescope.

**Exams** will be scheduled and zoom proctored. The default exam time is 3-3:40pm, but there will be conflict times available, probably at 8pm and the following 8am.

To schedule your exams, visit the CBTF at [https://cbtf.engr.illinois.edu/cbtf-online/index.html](https://cbtf.engr.illinois.edu/cbtf-online/index.html)

Exams will use the computer system PrairieLearn. Every student will get a (nearly) unique exam.
Precalculus prerequisite

ALEKS is designed to help you figure out what class to start in to have the most successful experience in math.

A score of 80% or more on the ALEKS exam indicates that you are ready for Math 221.

If you have trouble getting an 80%, or you have trouble with the first precalculus homework or quiz 0, please take Math 115 first.
How to get help:

It’s very important to form a study group with other students and work with them regularly. We will even give you a bit of course credit for doing so.

Some of the online homework questions come with tutorials.

Ask questions on the course bulletin board on Campuswire. You can also answer questions and upvote other people’s answers.

Ask questions during the TA homework help sessions on Mondays and the professor’s office hours on Thursdays.

For personal matters such as accommodations, illnesses or emergencies, email your TA or professor.
Participation points.

Because of the pandemic, we want to give you the opportunity to earn a few points for just participating.

These are the things that you would do to study in a “normal” year, and we want to reward you for doing them even in the middle of a pandemic.

You can get “free” points for

• showing up to discussion section
• actively discussing the worksheets in section
• uploading your completed worksheets
• uploading the outline from your own studying
• (first 5 weeks) forming and meeting with a study group
Outline of the class

Definition of Limits
Computing Limits

Definition of the Derivative
Computing Derivatives
Word Problems with Derivatives

Definition of the Integral
Computing Integrals
Fundamental Theorem of Calculus
Word Problems with Integrals
What you need to do this week:

• Look through the course information on learn@illinois

• Pass the ALEKS assessment by Friday, Aug 28.

• Watch or read the Week 1 lectures, skim sections 2.1, 2.2, 2.3 of the textbook, and write up an outline.

• Attend discussion section on Wednesday and Friday.

• Turn in your completed worksheets and notes outline to Gradescope by Monday, Aug 31, at 11pm.

• Webassign homework is due Monday, Aug 31, at 11pm.

• Quiz 0 is on Tuesday, September 1 on Gradescope.
Best of luck with the class!