

Math 220: Calculus

Syllabus for SPRING 2022

Instructors:	Laura Placzek (Sections AL1, AL2), Kim Whittlesey (Section BL1)
Email:	lpaczek@illinois.edu , kwhittle@illinois.edu
Office Hours:	<i>TBD</i> , <i>TBD</i>
TAs:	Rachel Barnet, Debmalya Basak, Sai Bavisetty, Cruz Castillo, Ce Chen, Hung Chu, Grace Jaffe, Omar Musleh, Dana Neidinger, Maddy Ritter, Vlad Sadoveanu, Ploy Wattananawichkul
Tutoring:	<i>TBD</i>
MWF Lecture:	<u>AL1</u> : 9AM in 141 Wohlers Hall, <u>AL2</u> : 10AM in 141 Wohlers Hall, <u>BL1</u> : 1PM in 161 Noyes Lab
TR Discussion:	Check the time/location of your registered section in myIllini

All course material and information can be found on the “[MATH 220 All SP22: Calculus](#)” Moodle course website

COURSE DESCRIPTION

This course will begin with a review of precalculus and then it will cover limits, differential calculus and many of its applications, integration, the Fundamental Theorem of Calculus, and applications of integrals.

PREREQUISITES

There is a mandatory prerequisite ALEKS PPL Placement Exam score of 80% or higher for Math 220. The score must have been obtained between Oct. 4, 2021 through Jan. 24, 2022. You will be automatically dropped from the course if you do not meet this requirement by the deadline. [Click here for more information.](#)

REQUIRED COURSE MATERIALS

- **WebAssign Course Access.** When registering for the course, you must use the link available on the Moodle course website. You can either purchase your access online during the registration process or through the [University WebStore](#). Instructions can be found under the “WebAssign” tab on Moodle.

(Note: You will have free access until February 1st, and then you must purchase an access code. Be sure to purchase the 9th edition, NOT the 8th.)

- ***Calculus, Early Transcendentals, 9th edition, by Stewart.*** Your WebAssign course access includes an eText. When you purchase your course access for WebAssign, you have the option to also purchase a hard copy or loose-leaf copy of the text.

COURSE COMMUNICATION

We will be using Campuswire as an online discussion forum for course-related questions. You must activate your Campuswire account through the invite sent to your university email. We strongly encourage you to be active in the online discussions by not only posting any questions that you may have, but also answering questions from your fellow classmates (you can even post anonymously to them if you'd like). Be civil and kind on the class feed. Do not post full solutions to homework problems (but hints are fine!). If you need to contact your instructor or TA individually, you may post a private message on the Campuswire class feed “to Instructors & TAs only”. Please only use email for more personal issues.

LECTURE INFORMATION

Lectures will be in person and thus will abide by all university COVID requirements and policies. Each lecture session will cover select sections from the Stewart Calculus textbook that you are expected to read before attending class. Blank copies of the lecture notes will be made available on Moodle that you may fill in during lecture. If you miss a lecture, feel free to post on Campuswire and ask your classmates for the material covered that day.

DISCUSSION INFORMATION

Discussion sections will be in person and thus will abide by all university COVID requirements and policies.

- **Tuesdays:** Most of the discussion time will be spent working on worksheets in assigned groups. You will turn in your worksheets at the end of class for participation points.
- **Thursdays:** You will take a written quiz on the previous week's material. Please see the Quizzes section below for more information. You will still meet during exam weeks for an in-class review.

Late worksheets will not be accepted, and we will drop your two lowest participation scores at the end of the semester.

QUIZZES

Thursday discussion session (except during exam weeks) will consist of an in-class written quiz. You will first take the quiz individually for 20 minutes. Then you will get into your assigned group and retake the quiz; one of the four (randomly selected) will be graded. Your total score on the quiz will be calculated in two ways, with the final score being the better of the two: 100% individual quiz score -OR- 80% individual quiz score + 20% group quiz score.

Makeup quizzes will not be offered, and we will drop your two lowest quiz scores at the end of the semester.

HOMEWORK

All homework assignments for this class will be done in WebAssign. See the Required Course Materials section for purchase information. We strongly encourage you to work with other students on the homeworks, but you must submit your own work. We also expect you to be able to solve similar problems confidently on your own. Homework assignments will be given for each lecture session and will be due on the following schedule:

- Homework on Monday's lecture will be due by 11:59 PM on Friday.
- Homework on Wednesday's lecture will be due by 11:59 PM on the following Monday.
- Homework on Friday's lecture will be due by 11:59 PM on the following Wednesday.

You can get 5% extra credit for any questions completed 48 hours before the assignment is due. If you miss a homework for any reason, you can request a short automatic extension within 3 days after the deadline, for a 40% penalty on unearned points. The homeworks count for a large portion of the grade, so you should plan to do the homework on time, and only use the extensions for major issues.

EXAMS

All semester exams will be in person and thus will abide by all university COVID requirements and policies. There will be three 75-minute written exams during the semester. They will be cumulative, but with emphasis on recent material.

Exam 1: Thursday, February 17, 2022 7 – 8 : 15 PM Location(s): *TBD*

Exam 2: Thursday, March 31, 2022 7 – 8 : 15 PM Location(s): *TBD*

Exam 3: Thursday, April 28, 2022 7 – 8 : 15 PM Location(s): *TBD*

Conflict semester exams will be held on the following Friday at 8 AM. We will provide a separate form in Moodle for requesting each conflict exam, and you must receive written approval in order to take the conflict exam.

FINAL EXAM

The final exam will be in person and thus will abide by all university COVID requirements and policies. The final exam will be cumulative, covering all course material presented during the semester.

Final Exam: Date: *TBD* Time: *TBD* Location(s): *TBD*

The conflict final exam will be held after the main exam, with the date/time/location(s) *TBD*. We will provide a form in Moodle for requesting the conflict final exam, and you must receive written approval in order to take the conflict final exam.

GRADING

Your course grade will be comprised of the following:

Discussion Participation:	5%	Letter grades will be assigned on a straight scale with A/B/C/D cutoffs guaranteed to be no stricter than 90/80/70/60.
WebAssign Homework:	15%	
Quizzes:	12%	
Midterm Exams (3):	48%	
Final Exam:	20%	

Your grades for the course will be recorded in the gradebook on the Moodle course website. The instructors reserve the right to adjust the cutoffs to be more generous for the entire class, but the cutoffs will be applied consistently for all students in all sections. There will be minimal rounding (<0.01). To be fair to all students, we will not do additional rounding, even if requested.

Note: In the event that you miss one semester exam, your score on the final exam will replace the missing semester exam score. If you are present for all three semester exams, then you have the option of replacing half of your lowest semester exam score with your final exam score if it helps your grade.

ADDITIONAL INFORMATION

– **Large Lecture Etiquette.** The effectiveness of this course is dependent upon the creation of a positive and safe classroom environment. Please be sure that you have taken the appropriate steps to be granted building access before attending lecture and that you wear a properly fitted mask at all times during lecture. Do not arrive late to lecture or leave early, as this is disruptive to your classmates. Do not use any devices for any personal or social reasons during lecture, as this is distracting to classmates around you. If you notice someone near you has had their hand up for awhile, help them out and raise your hand too; enough hands in the air will definitely get the attention of the instructor away from the exciting material being discussed.

– **Calculator Policy.** Since some calculators can performed advanced tasks that others can't (such as finding derivatives, evaluating integrals, etc.), in order to make the assessments fair to all students calculators are not allowed on any assessments in this course. That being said, we also recommend that you do not use a calculator on your homework in order to prepare yourself for a testing environment.

– **Academic Accommodations.** To obtain disability-related academic adjustments and/or auxiliary aids, students with disabilities must contact the Disability Resources and Educational Services (DRES) as soon as possible. Contact disability@illinois.edu or visit [the DRES website](#) for more information. If you are entitled to accommodations sanctioned by DRES, submit your official documentation to your instructor as soon as possible to ensure your accommodations are being met.

– **Verified Absence or ODOS Letter.** If you have a “Verified Absence” in the roster or official university documentation from the [Office of the Dean of Students](#), it is your responsibility to reach out to your instructor or TA as soon as possible to discuss any missed material or assessments.

– **Academic Integrity.** Violations of academic integrity will be taken extremely seriously and will be handled under the procedures of Article I, Part 4 of the Student Code. Cheating or plagiarism in any aspect of the course will result in serious implications. Please see [the Student Code](#) for more information.

– **Academic Support.** Have a positive attitude and be active in your learning! We believe you are very capable of learning the course material and want to help you gain an understanding of important topics in the course. In order to be successful in the course, we strongly encourage you to be an active participant in your learning. Here are ways you can do that:

- **Attend lecture and discussion.** You can pick up a lot of information quickly and get your questions answered when you attend class. Most students need to do 10 – 12 hours of work per week for the class. If you skip lecture or discussion, plan to add 2 hours of time for each hour of class you miss.
- **Actively participate and engage in the course.** Most people learn more effectively by seeing the material repeatedly in small bits. If you read the book, then go to lecture, then do worksheet and homework problems, then take the quiz, then take it again with your groupmates, then do more practice problems to study for the exams, you’ll likely know the material very well.
- **Start homework assignments as soon as they become available.** It is strongly recommended that you do not save the WebAssign homework until the night it is due. To do well on the homeworks and master the material, you need to give yourself enough time to work through a lot of practice problems. Start as early as possible, use the textbook and your notes, work with your study group regularly, and go to office hours and visit the tutor rooms. And don’t forget: you can get 5% extra credit for any questions completed 48 hours before the assignment is due.
- **Study for exams in advance. (Don’t wait until the night before!)** Active learning is a continual process. The concepts presented in each lecture will carry through the course, so make sure you are continually reviewing the material and asking questions whenever you are unsure about something.
- **Ask questions.** When in doubt, reach out! The instructors and TAs are here to help, as are your classmates, so please ask questions during lecture, discussion, or on Campuswire.

If you need any help in the course, please do not hesitate to ask. You are encouraged to seek help sooner rather than later by attending office hours, tutoring, or reaching out to your instructor or TA. As previously mentioned, the course material keeps building throughout the semester, so it is important that you get help along the way if you don’t understand a concept.

We look forward to working with each of you this semester! – Ms. Placzek & Dr. Whittlesey

Any changes to the syllabus will be announced on Campuswire and in Moodle.

