

# Math 234: Calculus for Business I

Syllabus for SPRING 2022

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<b>Instructor:</b>	Theresa Dobbs	<b>Class Location:</b>	Campus Instructional Facility 0027/1025
<b>Email:</b>	tdobbs2@illinois.edu	<b>Lecture:</b>	MW 12-12:50 PM
<b>Office Hours:</b>	MW 10-11 AM	<b>Discussion:</b>	TR at your registered time

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## COURSE DESCRIPTION

Introduction to the concept of functions and the fundamental ideas of calculus. The course will present applied calculus in a way that allows students to understand the topics being presented and their utilization in real-world situations.

## PREREQUISITES

There is a mandatory prerequisite ALEKS PPL Placement Exam score of 65% or higher for Math 234. This score must be obtained no earlier than Fall 2021. You will be automatically dropped from the course if you do not meet this requirement by January 24. [Click here for more information.](#)

## REQUIRED COURSE MATERIALS

– **MyLab Math 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 bookstore. Instructions can be found under the “Course Information” tab on Moodle.

(Note: You can register for 14 days of free temporary access. Once this expires you will be locked out of the course, so please make sure to purchase a personal access code as soon as possible.)

– ***Calculus with Applications*, 11<sup>th</sup> edition, by Lial, Greenwell and Ritchey.** Your MyLab Math course access includes an eText that is only available online. Once you purchase your course access for MyLab Math, you have the option to obtain a hard copy of the text for an additional fee.

## 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 and not only post any questions that you may have, but also answer questions from your fellow classmates. The instructor and teaching assistants will be monitoring the discussions and will help answer and ask questions as well. My hope is that the discussions on Campuswire will be an effective way for you to communicate with each other and us. 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”.

## LECTURE INFORMATION

The lectures will take place every Monday and Wednesday in the Campus Instructional Facility, room 0027/1025. (For a map of the building, [click here](#).) It is your responsibility to arrive on time for lectures and take detailed notes. If you must miss a lecture meeting, it is your responsibility to copy the notes and get any needed help. Your attendance and engagement during lecture will be an important component of success in this course.

## DISCUSSION INFORMATION

Discussion sections will meet during your registered section time on Tuesdays and Thursdays (you may find your assigned time and location in UIUC Self Service). You will meet with your assigned TA during this time to work collaboratively with your classmates on worksheets that are designed to help you better understand the concepts presented in lecture. Each discussion session you will have the opportunity to earn 10 points towards your discussion grade:

- **Attendance (2 points):** Your attendance during discussion meetings is required. You are expected to be on time and stay for the entire class period. (Points may be deducted for tardiness. An absence will result in a 0 out of 10 overall.)
- **Participation (3 points):** You are expected to come to discussion ready to discuss the course material with your classmates. These points will be awarded based on your TA's observations of your engagement with the work. (Points may be deducted for excessive time spent off task, such as having lengthy unrelated conversations or being on your phone.)
- **Performance (5 points):** While you will each receive your own worksheet, your group will collaborate on each of the problems, and agree on a solution for each one. A single worksheet will be chosen to include the group's work. This worksheet should have the names of all group members who are present that day. At the end of the session, this worksheet should be handed in to the TA. Selected problems will be graded, with a maximum possible score of 5 points.

**Makeup sessions will not be offered. Your two lowest scores will be dropped at the end of the semester.**

## HOMEWORK

All homework assignments for this class will be done in MyLab Math. The purpose of these assignments is to apply concepts learned in lecture and discussion to new problems. These assignments may include material not necessarily presented in lecture. I expect that you may struggle with some of the problems and it may take you some time to complete each assignment. It is your responsibility to make sure you understand the concepts covered on the assignments and to reach out for help if needed. The homework assignments will open in MyLab Math each week on Monday at 1 PM and will be due on Tuesday of the following week by 11:59 PM (CST/CDT). **Late homework will not be accepted. Your one lowest score will be dropped at the end of the semester.**

## JOURNALS

At the beginning of most lectures, there will be a brief journal assignment on Canvas. The purpose of these assignments is to deepen learning through self-assessment, foster a reflective disposition as a learner, and gather information to assess student progress and improve instruction. In most cases, students will receive a score of either 10 (full points, relevant and timely response, meets the specified length requirement) or 0 (no response by the end of lecture period, or a response that is completely irrelevant to the prompt). There may be some cases where partial credit is warranted (e.g. a relevant response that does not adhere to length requirement), but generally it will be quite easy to score a 10.

## GRADING

Your course grade will be composed of the following:

Journals:	5%
Discussion Grade:	15%
MyLab Math Homework:	15%
Exams (3):	45%
Final Exam:	20%

Your grades for the course will be recorded in the gradebook on the [Canvas course website](#). The grading scale for the course is given in the table.

Percentage:	Grade:
98 - 100	A+
93 - 97.99	A
90 - 92.99	A-
87 - 89.99	B+
83 - 86.99	B
80 - 82.99	B-
77 - 79.99	C+
73 - 76.99	C
70 - 72.99	C-
67 - 69.99	D+
63 - 66.99	D
60 - 62.99	D-
0 - 59.99	F

## EXAMS

There will be three midterm exams and a comprehensive final exam. All exams will be conducted in person during the lecture period. Exam locations will be announced at a later date.

Exam 1: February 16, 2022

Exam 2: March 23, 2022

Exam 3: April 20, 2022

– **Final Exam:** There is a 3-hour comprehensive final exam for this course. The final exam will take place on the following day:

Final Exam: Thursday, May 12, 2022, 7-10 PM

*Note: Please make sure to arrive on time for all exams, and to bring your pencil, calculator, and University ID card!*

In the event that you may need to miss an exam due to an emergency, you must notify Theresa *before the exam*. Failure to give notification *before the exam* will result in a score of zero. No accommodations will be made for unexcused absences. It is completely at my discretion whether or not your absence is deemed excused or if there will be a penalty assessed for your absence from the exam. Please contact the [Student Assistance Center in the Office of the Dean of Students](#) for official university documentation to excuse an absence.

## ADDITIONAL INFORMATION

– **Calculator Policy.** Scientific or graphing calculators are allowed in this course. For homework assignments, you can use an online calculator such as the [Desmos Scientific Calculator](#). However, you will not be able to use an online calculator or phone calculator for exams, so be sure to have a regular calculator available as well. When using a calculator, do not round any values until the final answer.

– **A Culture of Care.** Even in a large class, each student deserves care and respect. One way for all of us to keep each other safe is by doing our part to limit the spread of Covid-19. **Per University policy, students must wear a face mask covering the mouth and nose during lecture, discussion, and in-person office hours.** We don't know who around us may be immunocompromised or living with a vulnerable family member. If you have been exposed or are experiencing symptoms of Covid-19, please follow the University guidelines for isolating or quarantining.

– **A Culture of Respect.** All students deserve an education that allows them to be their full selves. To accomplish this we must start with groups that have been systemically marginalized in higher education. It's important to me that students who are Black, Indigenous, Latinx, Asian American/Pacific Islander, Muslim, queer, trans, nonbinary, disabled, immigrants, international students, women, working class, older/nontraditional students, or first-generation are welcomed and affirmed in this space. If any concerns arise, or if you have ideas for how I can better support you and your learning, don't hesitate to reach out.

– **Academic Accommodations.** To obtain disability-related academic adjustments and/or auxiliary aids, students must contact the Disability Resources and Educational Services (DRES) as soon as possible. Contact [disability@illinois.edu](mailto:disability@illinois.edu) or visit [the DRES website](#) for more information. If you have DRES accommodations, submit your official documentation to me within one week of the beginning of the course to ensure your accommodations are being met.

– **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.** I believe you are very capable of learning the course material, and I'm here to help. Here are some tips to start the semester strong:

- **Attend and engage in the lectures.** Arrive on time, find a spot that feels comfortable, ask questions. Taking detailed notes is also crucial to your success in this course.
- **Start homework assignments as soon as they become available.** Don't wait till the last minute! Taking the time to work through each problem, reference your notes, and reach out for help when needed, is essential to not only doing well on the homework, but to understanding and applying the material throughout the course.
- **Contribute to discussion sessions.** Your group is there to support each other, so feel free to give help, get help, and grow together!
- **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.
- **Be active in Campuswire.** The class feed is the best way to communicate with your instructor, your TA, and your classmates. Make sure you are keeping up with the announcements and posts, as well as contributing to the posts as well.
- **Attend office hours.** Bring questions, or just come and introduce yourself!
- **Ask questions.** When in doubt, reach out. The TAs and I are here to help, as are your classmates, so please ask questions during discussion or on Campuswire.

If you need any help in the course, please do not hesitate to ask.

I look forward to working with each of you this semester. I am passionate about teaching mathematics and hope that we can work together to help you better understand the concepts in Business Calculus. Please feel free to contact me if you have any questions throughout the semester.

