Math 234: Calculus for Business I

Syllabus for Spring 2021

Instructor:	Ms. Placzek	**Class Location:**	Moodle Course Website
Email:	lplaczek@illinois.edu	**Lecture:**	Online, Asynchronous
Office Hours:	MW from 10-11 AM (CST/CDT)	**Discussion:**	TR at your registered time

Note: All Zoom Meeting information is available on Moodle under the "Zoom Links" tab.

COURSE DESCRIPTION

Introduction to the concept of functions and the basic ideas of the 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 Placememt Exam score of 65% or higher for Math 234. The score must have been obtained between Sept. 19, 2020 through Jan. 29, 2021. 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

– **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 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.)

– **Pearson LockDown Browser.** All assessments will be done in MyLab Math and will require the LockDown Browser. Click here for installation information.

(Note: The LockDown browser cannot be used with Chromebooks, mobile devices, or tablets. Please contact the Student Assistance Center in the Office of the Dean of Students for help with technology resources for class.)

– *Calculus with Applications*, 11th **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 instructors 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 be asynchronous with pre-recorded videos available on the Moodle course website. You are expected to watch these videos each week and read any supplementary material. It is your responsibility to take detailed notes while watching the lectures. Lecture participation is worth 10% of your overall course grade. Each week there will be Lecture Knowledge Checks in MyLab Math with questions pertaining to the content in the videos. These are timed quizzes with the Pearson LockDown Browser that will be available in MyLab Math each week from Wednesday at 8 AM (CST/CDT) until Friday at 11:59 PM (CST/CDT). You are expected to watch the videos in their entirety before taking the quiz. **Makeup quizzes will not be offered. Your <u>one lowest score</u> will be dropped at the end of the semester.**

DISCUSSION INFORMATION

Discussion sections will meet synchronously during your registered section time on Tuesdays and Thursdays in Zoom (all links are provided under the "Zoom Links" tab on Moodle). You will meet with your assigned TA during this time to work collaboratively with your classmates on worksheets (some questions interactively through MyLab Math Learning Catalytics) that are designed to help you better understand the concepts presented in the lecture videos. Each discussion session you will have the opportunity to earn 5 points towards your discussion grade:

  – **Attendance (2 points):** Your attendance during discussion meetings in Zoom is required. You are expected to be on time and stay for the entire class period.

  – **Participation (3 points):** You are expected to come to the discussion meetings ready to discuss the course material with your classmates. You should either particpate through the audio mic or the chat feature during each Zoom session. Earning your participation points includes answering and discussing the Learning Catalytics questions presented each session.

Makeup sessions will not be offered. Your <u>two lowest scores</u> 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 Tuesday at 8 AM (CST/CDT) and will be due the following Tuesday by 11:59 PM (CST/CDT). **Late homework will not be accepted. Your <u>one lowest score</u> will be dropped at the end of the semester.**

GRADING

Your course grade will be comprised of the following:

Lecture Knowledge Checks:	10%
Discussion Attendance/Participation:	12.5%
MyLab Math Homework:	12.5%
Exams (3):	45%
Final Exam:	20%

Your grades for the course will be recorded in the gradebook on the Moodle 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 exams and a comprehensive final exam. All exams will be conducted through MyLab Math and will require the Pearson LockDown Browser.

— **Semester Exams:** There will be three 75-minute exams for this course. The exams will open at 5 PM (CST/CDT) and close at 11:59 PM (CST/CDT) on the following Thursdays:

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Exam 1:   February 25, 2021
Exam 2:   March 25, 2021
Exam 3:   April 22, 2021

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— **Final Exam:** There is a 3-hour comprehensive final exam for this course. The final exam will open at 5 PM (CST/CDT) and close at 11:59 PM (CST/CDT) on the following day:

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Final Exam: Wednesday, May 12, 2021

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Note: All exams will close at their posted time whether you have finished or not, so please plan your time accordingly.

In the event that you may need to miss an exam due to an emergency, you must notify Ms. Placzek *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 documenation to excuse an absence.

ADDITIONAL INFORMATION

— **Calculator Policy.** Scientific or graphing calculators are allowed in this course. During a Lecture Knowledge Check or an exam, there will be a scientific calculator available in the toolbar of the LockDown Browser window. For homework assignments, you can use an online calculator such as the Desmos Scientific Calculator. When using a calculator, do not round any values until the final answer.

— **Class Etiquette.** The effectiveness of this course is dependent upon the creation of an encouraging and safe classroom environment. Exclusionary, offensive, or harmful speech will not be tolerated and in some cases will be subject to University harassment procedures. We are each responsible for creating a positive and safe environment that allows all students equal respect and comfort. We expect each of you to help establish and maintain an environment where you and your peers can contribute without fear of ridicule or intolerant or offensive language. If your behavior is in any way inappropriate for a class discussion, you will be removed from the post or Zoom meeting.

— **Academic Accomodations.** 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 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.** Have a positive attitude and be active in your learning! I 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, I strongly encourage you to be an active participant in your learning. Here are ways you can do that:

- **Watch and engage in the lecture videos.** You have the opportunity to pause, rewind, and rewatch each lecture video to make sure you are truly understanding the concepts being presented. Taking detailed notes while watching the videos is also crucial to your success in this course.

- **Start homework assignments as soon as they become available.** While you will have a week to work on your MyLab Math homework, it is strongly recommended that you do not save it all until the night it is due. 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.** While it is not required that you have your video turned on for Zoom, it is highly recommended to help create a more collaborative environment during discussion. You can use either the audio mic or the chat feature to particpate in Zoom, so whichever way you choose to particpate, make sure you are actively contributing to the class discussions.

- **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 interact 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. Being active on Campuswire will help keep you connected to and engaged in this online course.

- **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. 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 metioned, 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.

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.

<div align="center">Any changes to the syllabus will be announced on Campuswire and in Moodle.</div>

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