Math 1131
Autumn 2024
Main Syllabus

TEXT: Ximera Business Calculus. This text is provided as a free online resource on Carmen.

CALCULATORS: A graphing calculator is required for this course. It is recommended that you use a TI-83, TI-83 plus, or a TI-84. **Note that the TI-89, TI-92, and calculators that use a Computer Algebra System are not permitted.**

EMAIL, HOMEPAGE & CARMEN: You are responsible for information contained in email messages sent to your official OSU email address: **yourlastname.#@osu.edu**. You should check your email at least once per day. The course homepage can be found at https://math.osu.edu/courses/1131. Carmen is a web-based course tool that allows you to view course materials and your scores. You can access Carmen by visiting http://carmen.osu.edu. You will need your OSU ID and password. You will also be responsible for messages delivered to you through Carmen messaging, and we ask that you use this system to communicate with your course instructors whenever possible. You should check the course Canvas page regularly for announcements and updates.

OTHER TECHNOLOGICAL REQUIREMENTS: You must have access to a computer with a stable internet connection to turn in course homework and access course materials. Some office hours may be conducted live over Zoom. Homework will be turned in via the Gradescope website, and exams will be returned via the Gradescope website. *Turning in assignments via Gradescope will require you to have some means of turning hand-written work into a .pdf file*, for instance by using an iPad or a cell-phone scanner app. You are responsible for maintaining a web browser and internet connection compatible with these course tools; please see your instructor for recomendations. Gradescope registration will done automatically through Canvas and not through a course code. *Some classes may be conducted over Zoom in cases of emergency.*

COURSE STRUCTURE: This course meets in-person, five days each week. On Mondays, Wednesdays, and Fridays, you will meet with your lecturer, who will present new topics and introduce new skills. Definitions and first examples will be covered here. On Tuesdays and Thursdays you will meet with your recitation instructor. This is where you will review concepts from prior lessons and ask questions regarding concepts and problems. Your recitation instructor will be in charge of administering regular quizzes and homework, and giving feedback for those assignments in a timely fashion. Exams for the course will held in the evening outside of class; see the next page of this syllabus for more information on assignments and grading. **EXCEPTION:** Recitation will be held asynchronously on November 5, 2024. See https://oaa.osu.edu/election-day-asynchronous-learning for more information.

HELP WITH THE COURSE: Your lecturer and recitation instructor will publish regular office hours for individual help. *Office hours are times that are set aside by your instructors to work with you.*

The Math Stat Learning Center (MSLC) offers free drop-in and appointment tutoring. Everyone can benefit from tutoring. The MSLC's drop-in tutor rooms are a great place to work on math homework or study for exams. Students often use the space like a library with the added benefit of a tutor or peers nearby. MSLC tutors focus not only on helping you solve the problem at hand, but also work with you to build your understanding and knowledge to prepare you for exams. https://mslc.osu.edu

All recitation instructors will have regularly scheduled time in the Math 1131 tutor room.

COURSE GRADE: Your final course grade will be based on your homework, quiz, midterm, participation, and final exam scores. The percentages for each are given below.

Total Percentages:	
HOMEWORK	5% (Best 11 of 13)
WRITTEN QUIZZES	10% (Best 8 of 10)
EXAMS	85%
TOTAL	**100%**

GRADING SCALE (Percent) (Adjustments to this scale may be made at the end of the semester):

A	**A-**	**B+**	**B**	**B-**	**C+**	**C**	**C-**	**D+**	**D**
90	**87**	**83**	**80**	**77**	**73**	**70**	**67**	**63**	**60**

RECITATION: You will meet with your recitation instructor as scheduled on Tuesdays and Thursdays. Your performance in recitation will count for a total of **15%** of your course grade and will consist of written homework and quizzes. Attendance at in-person recitations will not *directly* affect your course grade.

- **WRITTEN HOMEWORK:** Written homework questions will be posted on the course Canvas page as the semester progresses. You are responsible for responding to all questions posted; however, a small subset of each will be collected regularly. There will be a total of 13 such homework assignments. You will turn in these assignments to the course Gradescope page. These homework problems will be graded on Gradescope and will count for an overall total of **5%** of your grade, with *the lowest two homework scores being dropped*. Which problems are to be graded will typically be revealed a few days before those problems are due. *Late homework will generally not be accepted.*
- **IN-CLASS QUIZZES:** There will a total of 10 in-class written quizzes during the semester. Quizzes will be administered by your recitation instructor on the days indicated on the course calendar. *The lowest two written quiz scores will be dropped.* Your total written quiz score will count for **10%** of your grade. *Makeup quizzes will not be given under most circumstances.*

Both the textbook (including the textbook examples) and written homework will form the basis for quizzes and exams. Exam questions may differ from homework and quiz questions. Exams will cover conceptual ideas along with computational problems.

EXAMS: There will be four exams given. The exams, in total, will count for **85%** of your grade. The first three exams will be given during the semester and will count equally toward your final course grade. The fourth will be the final exam for the course and will count the same in grade calculation as two in-semester exams. All exams will occur in-person in the evening at the times given below. **The first three exams will focus *primarily* on the material listed for them on the course calendar, but may involve material covered prior to this. The final exam will be cumulative.**

- **EXAM SCHEDULE:** Attendance at the exams at the scheduled time and place is required. You must show your **OSU ID** at each exam:

Exam 1	Tuesday, September 17	5:30-6:25pm
Exam 2	Tuesday, October 8	5:30-6:25pm
Exam 3	Tuesday, November 12	5:30-6:25pm
Final Exam	Monday, December 9	6:00-7:45pm

  Students **must not miss** a regularly scheduled OSU class to take one of the evening exams. See make-ups below.
- **EXAM ROOMS:** Exams will not be held in your regular classroom. **Room assignments will be posted on the course homepage, on Carmen, and announced in lecture** the week before the exam. It is **your**

duty to know **where** and **when** each exam is given. Exam rooms are assigned by the registrar and may differ from exam to exam

- **MAKE-UPS:** You must have **written permission** from your lecturer to take a make-up exam. To receive a permission slip, you need to provide your lecturer with proper documentation. Students that have a time conflict with *another regularly scheduled OSU course* may take the make-up exam. However, students with other types of time conflicts (like work, social activities, travel, etc.) should prearrange to take the exam at the regularly scheduled time and date. **Makeups are not allowed after exam results are released**. See your lecturer for the time and location of a make-up exam. Please note that **no early exams** will be given.

GE INFORMATION: This Mathematics course can be used, depending on your degree program, to satisfy the *Quantitative Reasoning: Mathematical or Logical Analysis* category of the Legacy General Education Requirement (GEL) or the *Mathematical and Quantitative Reasoning or Data Analysis* category of the New General Education Requirement (GEN).

Goals (GEN): Successful students will be able to apply quantitative or logical reasoning and/or mathematical/statistical methods to understand and solve problems and will be able to communicate their results.

Expected Learning Outcomes: Successful students are able to:

1. Use logical, mathematical, and/or statistical concepts and methods to represent real-world situations.
2. Use diverse logical, mathematical, and/or statistical approaches, technologies, and tools to communicate about data symbolically, visually, numerically, and verbally.
3. Draw appropriate inferences from data based on quantitative analysis and/or logical reasoning.
4. Make and evaluate important assumptions in estimation, modeling, and logical augmentation and/or data analysis.
5. Evaluate social and ethical implications in mathematical and quantitative reasoning.

Goals (GEL): Students develop skills in quantitative literacy and logical reasoning, including the ability to identify valid arguments, and use mathematical models.

Expected Learning Outcomes: Mathematical or Logical Analysis

1. Students comprehend mathematical concepts and methods adequate to construct valid arguments.
2. Students comprehend mathematical concepts and methods adequate to understand inductive and deductive reasoning
3. Students comprehend mathematical concepts and methods adequate to increase their general problem solving skills.

See the Canvas Academic Policies tab and/or the Syllabus Policies document for information about course policies regarding disability accomodation, mental health, academic misconduct, health issues, course communication, and more. See the "Instructions Regarding Course Communication" Document for information who should be contacted for which aspects of the course. See the Course Calendar for information about the timing of important course events. Each of these documents is considered part of the syllabus, and they are only separated into multiple documents for your convenience. You must read and understand all parts of the syllabus. Adjustments to the course syllabus will only be made in case of emergency.