Math 10250, Elements of Calculus I
Fall 2022

Instructors:

Section	Instructor	email	Class location	Class time
01	Matthew Dyer	dyer@nd.edu	HAYE 129	MWF 9:25-10:15
02	Matthew Dyer	dyer@nd.edu	HAYE 129	MWF 10:30-11:20
03	Juan Migliore	migliore.1@nd.edu	DBRT 126	MWF 12:50-1:40
04	Jacob Zoromski	jzoromsk@nd.edu	DBRT 126	MWF 2:00-2:50
05	Peter Cholak	cholak@nd.edu	HAYE 231	MWF 12:50-1:40

Office Hours: The zoom option below refers to the zoom classroom for your section, listed further below. It is intended as a last resort in case of illness or pandemic restrictions.

Section	Instructor	Office	Phone	Hours
01, 02	Dyer	140 Hayes-Healy	631-6082	Wed. 12:00-2:00 or by appointment
03	Migliore	236 Hayes-Healy	631-7345	Mon. 2:00-3:00, Tues. 1:00-2:00 or by appt.
04	Zoromski	295 Hurley	631-6832	Mon. 4:00-5:00, Wed. 3:00-4:00 or by appt.
05	Cholak	204 Hayes-Healy	631-6507	Mon. and Wed. 1:45 to 2:30 or by appt.

Textbook: The book is "Applied Calculus" (tenth edition) by Soo T. Tan. An ebook is available through the Cengage WebAssign package (**which is required so you can do the homework**), so a hard copy is optional. In order to access the ebook and the homework, start by going to this page:

`https://www3.nd.edu/~jmiglior/HWInfo10250F22.pdf`

Zoom Classrooms (if needed):

Section	Address
01	`https://notredame.zoom.us/s/94347897758`
02	`https://notredame.zoom.us/s/94347897758` (same room as section 01)
03	`https://notredame.zoom.us/s/99266172688`
04	`https://notredame.zoom.us/s/94610310315`
05	`https://notredame.zoom.us/s/94275165234`

Course webpage:

`https://www3.nd.edu/~jmiglior/m10250F22.html`

Objectives: The main objective of Math 10250 is to help you learn concepts and techniques from calculus that are useful in solving and understanding problems that arise in economics and business.

Mathematics Department Help Rooms:

- The Mathematics Department offers tutoring for all multi-section calculus courses. For additional information, including the schedule, please see "Multi Section Courses" at

  `https://math.nd.edu/undergraduate-program/math-help-rooms/` .

- There will also be TAs available almost every evening explicitly for this course, run by students who took it last semester. Here is the schedule:

Day	Time	TA	Room
Sunday	7:00-9:00 pm	Dominic Gamino	DBRT 125
Monday	7:00-9:00 pm	Sean Donnelly	DBRT 125
Tuesday	3:00-5:00 pm	Courtney Lennon	DBRT 304
	7:00-9:00 pm	Sean Donnelly	DBRT 125
Wednesday	7:00-9:00 pm	Dominic Gamino	DBRT 125
Thursday	3:00-5:00 pm	Courtney Lennon	DBRT 304

How is your final grade determined?

There will be three midterm exams and a final exam. In addition, there is a homework assignment for every class. The point values for midterms, homework, and the Final Exam are given below. The total possible number of points is 550.

	Date	Time	Points
Midterm 1	Thurs. Sept. 15	8:00-9:15	100
Midterm 2	Tues. Oct. 11	8:00-9:15	100
Midterm 3	Thurs. Nov. 17	8:00-9:15	100
Final	Tues. Dec. 13	1:45-3:45	150
Homework	–	–	100
Total points:	–	–	550

Exam Information:

- There will be three Midterm Exams and a Final Exam. Except for students who have special permission to work at the Sara Bea office, all Midterm Exams will be taken in person according to the schedule given above. Information on room assignments is available on the webpage.
- Cutoffs for major grades (A, B, C, D, F) for each exam will be assigned and announced in class.
- A student who misses an exam will receive **zero points** for that exam unless he/she has written permission from his/her dean. Please be aware that sleeping in, defective alarm clocks, etc. are **not** considered to be a valid excuse by your dean! If you have an excused absence, please contact your instructor ASAP – a makeup exam will be scheduled. If you oversleep and can arrive before the exam ends, do that – we will give you extra time to complete the exam, & you avoid dealing with the dean.
- Calculators (even graphing ones) are allowed in exams. Cell phones may not be used as calculators.
- **Final Exam conflicts:** Students with **more than two** final exams in one day, or **more than three** finals in a 24 hour period, may request to change the time of one of these finals. If you intend to request a different time or day for your Math 10250 final, you must make arrangements with your instructor **before November 1**.

Homework Information:

- **No extensions on homework will be given**. We will drop your three lowest homework scores.
- All of the assignments will be available starting August 22, so if you anticipate a busy period it might be wise to work ahead. You have six days after the material is covered in class for each assignment.

Honor Code: Notre Dame students are expected to abide by Academic Code of Honor:

As a member of the Notre Dame community, I acknowledge that it is my responsibility to learn and abide by principles of intellectual honesty and academic integrity, and therefore I will not participate in or tolerate academic dishonesty.

Exams and homework are conducted under the Honor Code. In particular, exams are closed book and must be done completely by yourself with no help from others. You can discuss homework problems with your classmates, tutors, TAs and instructors, but you must submit your answers to WebAssign without any help.

Purchasing Materials for the Course: Please consult the Homework Information sheet for MATH 10250, which is at `https://www3.nd.edu/~jmiglior/HWInfo10250F22.pdf`. We will be using WebAssign, an online homework platform, which includes an e-book.

Late Homework Policy: Again, **homework will not be accepted after the deadline, and no extensions will be granted.** Having said that, as noted above we will drop the lowest three scores from your homework, and you have six days after the material is presented to get it done.

Pre-calculus Review: We will only have time for a cursory precalculus review. For those who need more preparation, we recommend the library of videos compiled by Prof. Pilkington. These videos cover a variety of pre-calc topics for students who are taking their first college-level calculus course:

`https://www3.nd.edu/~apilking/Precalculus/Lectures.htm`