

Calculus I with Review

Math 2445, Fall 2019

Instructor: Dr. Nickolas Castro
Office: SCEN 313
Email: nacastro@uark.edu
Website: <https://nickcastromath.wordpress.com/>
Office Hours: M-F 3:15pm - 4:15pm and by appointment.

Textbook: *Calculus: Early Transcendentals*, Briggs & Cochran.

Class Meetings: M-F 2:00pm - 3:15pm, SCEN 501

Course Website: <http://uark.bb.mylabsplus.com>

What is Calculus I? In the first semester course, we learn the basic tools of integration and differentiation. The course has four main parts and is largely focused on developing tools useful to physical and engineering applications:

- Limits (Chap 2)
- Differentiation (Chap 3)
- Applications of Differentiation (Chap 4)
- Integration (Chap 5)

Attendance policy: Attendance is required for all class meetings. Attendance will be taken each day and will comprise 2% of your final grade. If you are absent five times, you will be flagged in UA Success and referred to your academic advisor.

Homework: The single best indicator of success in any calculus course is *doing the homework!* There is simply no better tool for mastering the material. You should expect to spend several hours per week on homework. *Do not get behind!!*

Homework will be assessed online via MyLabsPlus (<http://uark.bb.mylabsplus.com/>). You will have a chance to ask questions on homework problems during every class meeting and be able to attempt each of the online questions ten times. If you are keeping up with the material you should get all the points available; the homework will count for 8% of your final grade.

Calculators: No calculators are permitted on any quiz or test. I *strongly* encourage you to complete your homework without using a calculator.

Quizzes: There will be two types of weekly quizzes. One will be a 10 – 15 minute in-class quiz. The other type will be either a take home quiz or an in-class group quiz. The only resources you are allowed to use on the take home quizzes are calculus personnel (TAs and instructors), classmates, notes, and your text book. Any other resources used will be considered cheating and be reported to the Academic Integrity Office. The quizzes will count for 15% of your final grade.

Exams: There will be two in-class exams, each worth 15% of your final grade.

There will also be a common midterm, worth 20% of your final grade, and a final exam worth 25%. Exam problems will consist of variations of problems from the textbook.

We hope and expect you to succeed in Calculus 1, and to this effect, students who get a ‘D’ or below on any exam are *highly recommended* to meet with me for a discussion on ways to improve. It is your responsibility to arrange a time/meeting with me.

All information on the syllabus is subject to change.

Tentatively the exam schedule is:

Exam:	Date:	Sections:	Time:
In Class Exam 1	Monday, Sep. 23	2.1–2.7, 3.1–3.2	In class
Midterm	Wednesday, Oct. 16	2.1–2.7, 3.1–3.11	6:30–8:00pm
In Class Exam 2	Friday, Nov. 15	4.1–4.7	In class
Final Exam	Monday, Dec. 16	all	5:30–7:30pm

Your grade will be based on the following distribution:

Attendance	HW	Quizzes	Exam 1	Exam 2	Midterm	Final
2%	8%	15%	15%	15%	20%	25%

Tutoring: In addition to office hours, tutors are available at:

The MRTC in Champions Hall: 9am–8pm Mon–Thurs., 9am–4pm Friday, 2pm–6pm Sun.
 CLASS+: <https://class.uark.edu>

To succeed in this course . . .

- you *must* master the homework— don’t fall behind.
- you *must* attend every class.
- Come to office hours! Use the MRTC Tutoring Hours (CHPN 326, 9am–8pm) and CLASS+ as needed.
- you must ask questions in class and during office hours! Someone else in the class might have the same questions as you.

Academic Honesty Policy: As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail. Each University of Arkansas student is required to be familiar with and abide by the University’s ‘Academic Integrity Policy’ which may be found at <http://provost.uark.edu>. Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.

Under no circumstance may you discuss graded quizzes, tests, etc., until that work has been passed back in class or drill or you have been explicitly told that you may discuss it by Dr. Castro.

Last Days to Drop: Sept. 9 (without ‘W’), Nov. 22 (with ‘W’)

Academic Accommodations: Students who are registered with the Center for Educational Access must meet with the instructor by the end of the first week of class, or within one week of registering with CEA to discuss their accommodations. If a student is eligible for special accommodations on an exam, the instructor must be notified of the required accommodations at least one week before the date of the exam so proper arrangements can be made.

Inclement Weather Policy: Class will be held if the university is officially open. Allowances will be made if you are unable to safely reach the campus, but, bravely, class will go on! Do not call the Math office for inclement weather information. Instead, you should call the following telephone number: 575-7000

Emergencies: Many types of emergencies can occur on campus; instructions for specific emergencies such as severe weather, active shooter, or fire can be found at emergency.uark.edu.

Severe Weather (Tornado Warning):

- Follow the directions of the instructor or emergency personnel
- Seek shelter in the basement or interior room or hallway on the lowest floor, putting as many walls as possible between you and the outside
- If you are in a multi-story building, and you cannot get to the lowest floor, pick a hallway in the center of the building
- Stay in the center of the room, away from exterior walls, windows, and doors

Violence / Active Shooter (CADD):

- CALL- 9-1-1
- AVOID- If possible, self-evacuate to a safe area outside the building. Follow directions of police officers.
- DENY- Barricade the door with desk, chairs, bookcases or any items. Move to a place inside the room where you are not visible. Turn off the lights and remain quiet. Remain there until told by police it's safe.
- DEFEND- Use chairs, desks, cell phones or whatever is immediately available to distract and/or defend yourself and others from attack.