Calculus I

Math 2554 Fall 2017

Instructor: Prof. Andrew S. Raich
Office: SCEN 327
Email: *araich@uark.edu*
Office Hours: M 12:45-1:45pm, WF 11:45am-12:45pm, and by appt.

Textbook: Calculus: Early Transcendentals, Briggs & Cochran.

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

What is Cal 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: You will come to three hours of lecture and two hours of discussion section each week. All are *required*, and I will take attendance. We will use Turning Technology clickers to record attendance. If you do not already have this brand of clicker, you must acquire a clicker as soon as possible for use in the class. They are available at the bookstore. *Clicking in for someone else not present is considered cheating*. Anyone caught doing so will be reported to the Academic Integrity Office.

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. The course moves *very* quickly! *Do not get behind!!*

The homework will have a written component and an online component; you will be given an account at *http://uark.bb.mylabsplus.com/*. There will be two types of online homework assignments – required ones and suggested ones. You are **strongly encouraged** to complete all of the online homework AND the assigned book problems.

You will have a chance to ask questions on homework problems in the discussion sections 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 10% 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 weekly quizzes of two types. One will be a 10-minute quiz in your drill section. The problems will usually be from the book homework. The other will be a take home quiz which will also consist of variations of book problems. The only resources you are allowed to use on these 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. These are to be turned in at the next drill time. 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. We may choose to replace the weaker of your in-class exams with the score you earn on the final (or some portion of the final).

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 on book problems. Working the book problems is critical for success in the course.

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:

In Class Exam 1	Monday, Sep. 23	2.1–2.7, 3.1-3.2	
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	
Final Exam	Monday, Dec. 16	all	5:30-7:30pm

Your grade will be based on the following distribution:

Hmk (MLP)	Quiz	Test 1	Test 2	Midterm	Final
10%	15%	15%	15%	20%	25%

Tutoring: In addition to our 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

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. Raich or your TA.
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!

To succeed in this course—
you *must* master the homework— don't fall behind!!
you *must* attend every class and discussion section!!
Come to office hours! Use the MRTC Tutoring Hours (CHPN 326, 9am-8pm) ! Use CLASS+!
you *must* ask questions, in class, in discussion sections and in our offices!!

Last Days to Drop: Sept. 9 (without 'W'), Nov. 22 (with 'W')
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 its safe.

- DEFEND- Use chairs, desks, cell phones or whatever is immediately available to distract and/or defend yourself and others from attack.