

Course Information

Course Number:	Math 1497
Course Name:	Calculus II
CRN:	32229
Location:	Online via Zoom: http://uca.edu/go/math1497 Meeting ID: 995 0174 1088 Passcode: 738880
Class Hours:	8:00am-9:15am (Tuesday and Thursday) 8am-8:50am (Monday, Wednesday, Friday)
Textbook:	Required: Calculus (Early Transcendental Functions 7e) by Ron Larson and Bruce Edwards. ISBN 978-1-337-55251-6
Prerequisites:	C or better in MATH 1496
WebAssign Code	Enroll through the link on Blackboard ***If you purchased your textbook for calc 1 through the UCA bookstore last semester, the WebAssign access should be lifetime and you will not need to purchase anything separately for this course***

Instructor Information

Name:	Dr. Jeffrey Beyerl
Office Location:	MCS 231
E-mail:	jbeyerl@uca.edu
Phone:	(501) 450-5681

Course Description

This course is required of all majors or minors in mathematics, chemistry, or physics. Topics include applications of the definite integral, techniques of integration, infinite series, conics, parametric equations, polar coordinates, vectors, and vector functions. This course is a prerequisite for Calculus III and most of the upper division mathematics courses.

Office Hours

My availability changes every day. Go to the website below for up to date availability. When you schedule an appointment, please specify what you're coming for.

To promote social distancing, office hours will be available either via Zoom or in person. For in person office hours you properly wear a mask, maintain 6 feet of separation, and wash your hands or apply hand sanitizer shortly before arriving.

Office Hours Website: <https://ucamath.youcanbook.me/>

Course Objectives and Requirements

The primary objective in this course is to develop the theory and computational skills for:

- Techniques of integration
- Infinite Series
- Applications of calculus to curves

Grading Policy

- **Homework**

Homework problems from the text will be suggested, but all homework for credit will come from WebAssign.

- **Tests**

All tests are written 75-minute non-calculator tests. Each test is cumulative. Tests can either be taken at home using a Lockdown Browser and Monitor, or if you are on campus you may come take it with paper and pencil.

- As of the writing of this syllabus, it is not clear whether I'll want to use Respondus Lockdown Browser through Blackboard or the lockdown browser built into WebAssign for online testing.
- The written and online tests will be identical in content (Though formatting may be different)
- The online test will "open" at 7:30am and "close" at 8:30am. You must start it while it is open and complete it in one sitting. Regardless of when you start, you will have 75 minutes to complete the test.

- **Class participation – Lectures (MWF)**

You are expected to participate in class. This means that you keep your camera on at least 90% of the time each class session, solve problems during class when asked to do so, and may be called upon during class to explain or give a solution to something.

Each student receives 5 "multitasking days" where you may come to class but not use your camera nor be expected to participate. You may use those multitasking days whenever you like by stating it in chat when you join, additional non-participatory days will count as absences.

- **Class participation – Labs (TTH)**

You are expected to participate in lab. Nearly every lab will be a collaborative group effort to solve math problems and write up their solutions. Failure to participate will be equivalent to an absence. Unexcused absences will count as "0" grades for the lab assignments, excused absences will be dropped at the end of the semester. E-mail Dr. Beyerl if you have an excused absence. Unlike tests, documentation is not required. You may take up to 4 excused lab absences throughout the semester. Lab work from unexcused absences or excused absences beyond 4 may be made up after the fact for 80% credit.

- **Video Problem Presentations**

There will be five video presentations. You will illustrate the solution to a couple problems and provide peer review on other students' presentations.

- **Borderline Grades**

Borderline grades will be determined based on the final exam and/or the quality of your work throughout the course.

Test 1	15%
Test 2	15%
Test 3	15%
WebAssign	10%
Class Participation	10%
Labs	10%
Video Problem Presentations	10%
Final Exam	15%

Student Learning Objectives

Upon completing this course you should be able to:

- Do integrals using: Integration by parts, trig substitution, and partial fractions.
- Do calculus involving parametric curves.
- Use polar coordinates to find areas and lengths of curves
- Determine when/if sequences and series converge.
- Compute a Taylor series for a function.
- Parameterize lines and curves in 2D and 3D

Important Dates

Last day to Drop Drop means the course is not on your record	January 25 th
Video Problem Presentation 1 due	February 7 th
Video Problem Presentation 2 due	February 14 th
Test 1	February 18 th
Video Problem Presentation 3 due	March 7 th
Test 2	March 18 th
Video Problem Presentation 4 due	April 11 th
Last day to Withdraw Withdraw means the course is on your record with a "W" but does not factor into your GPA	April 12 th
Video Problem Presentation 5 due	April 18 th
Test 3	April 22 nd
Final Exam	Thursday, May 6 th , 8am-10am

Outside of class resources

- The Textbook
 - Description of material
 - Example and exercise problems
 - Homework problems
- Blackboard
 - Quiz/test solutions
 - Notes from class
- Office Hours
 - Individual help
 - Availability changes every day. See <https://ucamath.youcanbook.me/>.
- Previous course materials
 - <http://faculty.uca.edu/jbeyerl/courses.html>
- The Math Resource Lab
 - Study Area
 - Tutors available throughout the day
 - <https://uca.edu/math/math-resource-lab/>
- Academic Success Workshops (every Tue at Xperiod)
 - <http://uca.edu/studentssuccess/academic-success-workshops/>
- Online Success Workshops (reading strategies, note-taking skills, test prep, etc!)
 - <http://uca.edu/studentssuccess/academic-success-workshops/>
- Peer Coaching (time management skills, study skills, motivation!)
 - <http://uca.edu/studentssuccess/successcoaching/>
- Communication Skills (oral and written)
 - <http://uca.edu/cwc/>

Late Work

Late work, in particular labs and video problem presentations, may be turned in late up through the final exam period for a 20% penalty. They will be kept by the instructor and may not be graded in a timely manner. Late work on WebAssign can be completed within 14 days with the 20% penalty. The 14 day limitation is the maximum setting in the WebAssign system: if you contact me I do not mind manually opening late work for you.

Expected Study Time

A good rule of thumb is that to be successful in a college course, you should work on your own two hours for every one hour of lecture. This course has 3 hours of lecture per week, so you should plan on studying 6 hours per week for this course. If you are well prepared you may need to study less; if you are not well prepared you may need to study more. If this is your first semester in college, please experiment with different study techniques throughout the course of the semester to figure out what works best for you. You can schedule a study technique consultation during office hours if you would like assistance developing a study plan.

Excused Absences

If you are part of an organization that includes official university trips, you will be excused from each day that you are on travel as long as you contact me each time to make arrangements for any missed work. It is your responsibility to make arrangements to make up any missed work before you leave for the trip. If you are going to miss a test or quiz, you must contact me approximately one week beforehand to make arrangements for the make-up, preferably by email.

For personal emergencies, you should contact me when it is safe and reasonable to do so, include documentation of the emergency. At his discretion, the instructor may choose to administer a make-up, issue a zero, or use the final exam to replace the missing test or quiz.

Attendance Policy

Your active participation in this course is expected and required for you to learn the material and earn a passing grade. If you miss more than two weeks of class meetings throughout the term, you may be administratively dropped from the course.

Academic Integrity Statement

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy.

Academic integrity is taken seriously: cheating on a test will result in a failing grade in the course; allowing another student to copy off of your test will result in a one-letter-grade penalty.

Americans with Disabilities Act Statement

The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Office of Disability Services, 450-3613.

Title IX disclosure:

If a student discloses an act of sexual harassment, discrimination, assault, or other sexual misconduct to a faculty member (as it relates to “student-on-student” or “employee-on-student”), the faculty member cannot maintain complete confidentiality and is required to report the act and may be required to reveal the names of the parties involved. Any allegations made by a student may or may not trigger an investigation. Each situation differs and the obligation to conduct an investigation will depend on those specific set of circumstances. The determination to conduct an investigation will be made by the Title IX Coordinator. For further information, please visit: <https://uca.edu/titleix>. *Disclosure of sexual misconduct by a third party who is not a student and/or employee is also required if the misconduct occurs when the third party is a participant in a university-sponsored program, event, or activity.

Sexual Harassment and Academic Policies Statement

All students are required to familiarize themselves with the University of Central Arkansas policy on sexual harassment and on academic policies. These policies are printed in the Student Handbook.

Building Emergency Plan Statement

An Emergency Procedures Summary (EPS) for the building in which this class is held will be discussed during the first week of this course. EPS documents for most buildings on campus are available at <http://uca.edu/mysafety/bep/>. Every student should be familiar with emergency procedures for any campus building in which he/she spends time for classes or other purposes.

Pandemic Adaptation

This course will be taught fully online, synchronously.