MAT 190, [redacted]
ANERSON UNIVERSITY, [redacted]

I. Course Information

Prefix, course number, section number: MAT 190 [redacted] Analytic Geometry & Calculus 2
Credit hours: 4
Prerequisites: C or better in MAT 140.
Target student audience: Math 190 is a mathematics course designed for Freshmen or Sophomores who intend to major in a science, Computer Science, Math, Engineering, Secondary Education (math or science area), or Pre-medicine.
Class meeting times and place(s):
[redacted]
Course begins on: [redacted] **and ends on:** [redacted]

[redacted] Homework will consist of both web assignments as well as written assignments from the textbook. There will also be weekly quizzes based on the homework. Combined with the exams for this course, these assessments will require as much time spent outside this course as within.

II. Instructor Information

Instructor's full name/title: [redacted]
Office location: [redacted]
Office Telephone: [redacted]

Office hours/best time to contact:
MWF: [redacted]
TR [redacted]
[redacted]

AU e-mail: [redacted]

III. Course Purpose, Student Learning Outcomes, and Course Learning Goals

Course Purpose: Continuation of MAT 140; topics include exponential and logarithm functions, inverse trigonometric functions, techniques of integration, improper integrals, indeterminate forms, sequences, and series, conics, parametric equations, and polar coordinates.

Student Learning Outcomes: Successful students will gain knowledge and skills in:

4. Knowledge of the Physical and Natural World
5. Critical Thinking: Inquiry, Analysis, and Creative Problem-Solving
8. Quantitative Literacy

Course Learning Goals:

1. Students will demonstrate knowledge of the notation, terminology, formulas, theorems, general principles, and techniques of differential and integral calculus.

2. Students will apply the appropriate theorems, formulas, and methods to solve various types of problems.

3. Students will set up mathematical models of typical problems from engineering, mathematics, and physics, and will apply the appropriate methods, formulas, and theorems to solve those model problems.

IDEA Course Evaluation Objectives:

1. Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories).

3. Learning to Apply Course Material (to improve thinking, problem solving, and decisions).

13. Learning appropriate methods for collecting, analyzing, and interpreting numerical information.

IV. Method(s) Of Instruction / General Operating Procedures

Guided Notes: [redacted]

Group work: [redacted]

V. Content Outline / Course Calendar

We will cover the following chapters of *Calculus with Early Transcendentals.* A more detailed schedule with holiday dates is uploaded to Canvas.

Chapter 5-6: Definite integrals
Chapter 7: Techniques of Integration
Chapter 9: Parametric Equations and Polar Coordinates
Chapter 10: Sequences and Series

VI. Assignments; Method(s) Of Assessing Achievement of Student Learning Outcomes; Student Feedback and Grading Policies and Procedures

Homework: Homework assignments will be completed via Hawks learning. Homework assignments will always be announced at least two days before their due date. Homework will be assigned in two ways:

1. There will be homework assignments completed via Hawkes online. [redacted]

2. Occasionally, reading Homework assignments will be assigned. They will be turned-in as a PDF into Canvas. You may either complete the homework on your iPad or scan in a physical copy.

   Homework assignments will account for 10% of your final grade. Repeated cell phone use or other inappropriate classroom behavior will result in a homework grade deduction. The professor will always make contact with a student regarding their behavior if they are in danger of receiving a grade deduction.

   Quizzes/Reflections: There will be weekly quizzes [redacted] They will be individual, closed notes assessments announced at least two days before the date they are given. Your lowest two quiz grades will be dropped. There will be two reflections due throughout the course. These are to be typed one-page documents. The purpose of these reflections is to evaluate your standing in the class and to provide feedback for the instructor.

   Tests: [redacted] They are individual, closed-note assessments. A study guide and practice exam will be uploaded to Canvas at least four days before each test. Your lowest test grade will account for 8% of your final grade will the remaining two test grades will each account for 16% of your final grade. The following test dates are tentative and may change.

Test 1	Test 2	Test 3	Test 4	Final Exam
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

   Final Exam: The final exam is scheduled fo[redacted] The final exam will be a cumulative, individual, closed-note assessment. The final exam will account for 25% of your grade.

Homework	Quizzes/Reflections	Lowest Test Grade	Other Test Grades	Final Exam
10%	9%	8%	16% each	25%

   A note on grades: The instructor reserves the right to change the grading structure if needed. If the grading structure is changed, you grade will be computed using the structure above as well as the new structure. The higher of the grades will be used. If I change the grading structure, it can only help you.

   Collaboration: In regard to homework assignments, students are allowed and encouraged to help each other and to get help from the instructor and tutors in the CSS. However, quizzes, reflections, and tests are meant to evaluate your personal understanding of the material. Collaboration of any kind on a quiz or test is considered cheating and will be treated as such.

   Final Grades: Final grades will be assigned via a distribution no more harsh than the following:

A	B	C	D	F
[90,100]	[80,90)	[70,80)	[60,70)	[0,60)

   Attendance: Attendance will be taken each class period. In the event that your grade falls near the borderline between two letter grades, attendance, attitude, and participation will be factored into how your letter grade will be assigned.

VII. Textbook(s), Supplementary Readings, Required Materials

Textbook: [redacted], with access to the Hawkes Learning System online lessons, assignments, and digital textbook.
Note: If you completed MAT 140 with the Hawkes Learning System, you do not need to re-register for the learning system.

Calculators: Calculators are not required for this class. During quizzes and exams. All calculators used on an exam or quiz must be cleared with the instructor before the assessment. Cell phone use or unauthorized calculator use during a quiz or exam will be considered cheating on the assessment.

VIII. Computer and Information Technology Use

Computer usage: In order to complete the homework assignments in this class, internet access is required. All course documents will be posted to Canvas rather than printed for the class. Internet access will be required to access all course documents. Use of computers during class is restricted to course related work only. Any other use of computers during class is prohibited.

iPad usage: [redacted] The notes will be posted to Canvas and not printed. The easiest way to use the worksheets is to complete the guided notes on an iPad or similar tablet. Of course, students are welcome to print off their worksheets before class or follow their notes in a separate piece of paper. The important thing is that you find the note taking strategy that works best for you.

IX. Course Policies

Disabilities and Academic Adjustments Policy: If you have a disability that may interfere with your learning, testing, or assignment completion in this course, you may be eligible to receive an academic adjustment to help provide you with an equal opportunity to participate in and benefit from this course. Please contact the Coordinator of Accessibility Services in the Center for Student Success, who will advise you on appropriate documentation, determine reasonable adjustments, and notify me of any adjustments for which you are eligible. Once you have been approved for an academic adjustment through the Center for Student Success, please discuss with me its appropriate implementation in this course. Documentation must meet the guidelines specified by university policy, and no one else can be notified of your disability or adjustment without your written consent. This process must be repeated for every semester you are enrolled at Anderson University and wish to receive an adjustment. Academic adjustments are intended to "level the playing field" so that students with disabilities can demonstrate their true abilities in their courses. Changes cannot be made to grades earned before a student has requested an adjustment, so please attend to this early in the semester.

Academic Honesty:
Students at Anderson University are expected to conduct themselves with integrity and to be honest and forthright in their academic endeavors. The University faculty's expectations define the following areas that would violate Academic Honesty: plagiarism, fabrication, cheating, and academic misconduct. The policy, process, and penalties for academic dishonesty are described in the Student Handbook. (Excerpt from AU Catalog)

Permission for or Prohibition of Recording Lecture/Class Meetings:
To assist students in note taking and mastery of content, recordings of lectures is permitted in this course. However, these recordings may only be used to assist the individual student in the course. Publishing, distributing, or using classroom recordings in violation of these restrictions is

a violation of the student code of conduct and me be a violation of federal copyright laws.

Attendance/Participation Policy:
Attendance will be taken each day. Regardless of class size or level, no variable has a greater influence on student learning than attendance. While attendance is not graded directly, poor attendance prohibits your grade from being "rounded up."

Late Work Policy: Late homework assignments will be deducted 10% per day they are late. No late exams or quizzes will be administered without a written medical or university sanctioned excuse. All exams or quizzes missed for valid reasons should be scheduled before the test date whenever possible.

Last day to Drop with no grade; Last day to Withdraw with a W grade on transcript:
Last day to drop with no grade: [redacted]
Last day to drop with a W grade: [redacted]

X. Other Learning Facilities and Resources Pertinent to Course

Thrift Library: Hours are posted at https://www.andersonuniversity.edu/library (Closed on all university holidays.)

Bunton Lab: Located in Thrift Library, 2nd floor.

The Writing and Multi-Media Center: Located in Thrift Library, 2nd floor. For drop-in hours and appointment-based tutoring for all your writing needs, see https://www.andersonuniversity.edu/writing-center. Schedule an appointment by visiting https://anderson.mywconline.com.

The Center for Student Success: Located in in Thrift Library, 2nd floor. The Center provides support for academic assistance, tutoring services, as well as study skills seminars. Call 864-328-1420 to contact the Center or visit their website at http://www.andersonuniversity.edu/student-success