



Spring 2025

Course Information

Course Title: Calculus with Analytic Geometry I

Course Prefix & Number: MAT 220

Section Number: 29547

Credit Hours: 5

Course Format

The course format for this course is Hybrid, 01/29/2025 – 05/08/2025

Instructor Information

Instructor: Amy Volpe

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Phone: 480.423.6035

Office Location: CM-403

Course Description

Description: Limits, continuity, differential and integral calculus of functions of one variable.

Prerequisites

Prerequisites: A grade of C or better in MAT187, or MAT188, or an appropriate District placement.

Course Objectives

1. Analyze the behavior and continuity of functions using limits. (I)
 2. State the definition and explain the significance of the derivative. (II)
 3. Compute the derivative using the definition and associated formulas for differentiation. (II)
 4. Solve application problems using differentiation. (II)
 5. State and explain the significance of the Fundamental Theorem of Calculus. (III)
 6. Compute anti-derivatives, indefinite and definite integrals of elementary functions. (III)
 7. Read and interpret quantitative information when presented numerically, analytically or graphically. (I, II, III)
 8. Compare alternate solution strategies, including technology. (I, II, III)
 9. Justify and interpret solutions to application problems. (I, II, III)
 10. Communicate process and results in written and verbal formats. (I, II, III)
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Texts, Course Materials and Technologies

Chapter readings are available as pdfs in the online learning system MOER. There is an optional text you may purchase. The information is below.

Technology:

1. MOER Account (FREE)

This course uses MOER, an Online Course Management System developed by David Lippman and the State of Washington. All the Course Materials will be accessed through this system. Grades will also be posted through this system. The software is free to use and can be accessed at <https://MOER.maricopa.edu/> Once you have an account, you can enroll in the course using the information below.

Course ID: 20707

Enrollment Key:1234

2. **Calculator:** A graphing calculator is required for this course. The suggested calculators include the TI-83 or TI-83 plus and the TI-84. NOTE: Calculators with QWERTY keyboards or those which do symbolic algebra (e.g. TI-92s ,TI-89s, Casio FX2 or 9970G's) cannot be used during an exam. You are responsible for knowing how your calculator works. There are also links to help with the calculator on MOER. You can try to rent a TI calculator from IT122. These go quick and are in limited supply.

3. **Computer:** You will need regular access to a computer (with Internet access) in order to complete the online assignments that are part of this course. The labs and computer locations on campus may be used to access your online work (IT-100 computer lab, library, LC 371 Writing Center lab, Math Tutoring Center). You will need to have an SCC Network Login account to access the computers on campus.

4. **Email:** Your Maricopa Email address is part of your account automatically as an SCC student. I will primarily contact you via email and MOER. You can forward your Maricopa Gmail to another account, as you prefer.

Course Policies

The following are policies specific to this course. Students are also responsible for the college policies included on the [Student Regulations](#) page of the Maricopa Community College District website.

Late Work

- Late work is only accepted if you use a late pass.
- You are given 10 late passes at the start of the course
- Each late pass extends a single homework assignment by 48 hours from the due date.
- You may only use **one late pass per assignment**. No assignments may be completed for credit more than 2 days after the due date.
- Once you are out of late passes, you may not complete any late assignments for credit.
- Late passes cannot be used on exams.
- Late exams may be approved by the instructor and will receive a 15% penalty per day late. Email or message your instructor if you would like to request a late exam with a penalty.

Grading Standards & Practices

The information below explains the structure of the course, requirements, and grading procedure.

- 1) There are 12 Chapters in this course.
- 2) For each Chapter, you must submit a Media Lesson assignment and a homework assignment. There are 2 in class exams for this course. They must be taken by the dates indicated in the course calendar in MOER.
- 3) Students who do not complete both Exams will earn a grade of W.

Required Assignments	# of Assignments	Online/In Class	Percent of Total Grade
a) Media Lessons	12	Online	10%
b) Homework (and Exam Reviews)	14	Online	25%
c) Exit Assignments	12	In Class	5%
d) In Class Group Activities	12	In Class	10%
e) Midterm Exam	1	In Class	25%
f) Final Exam	1	In Class	25%

Grades are updated continually and visible in the MOER Gradebook section. Check there often to see your overall percent in the course. Final letter grades are assigned as indicated below.

Course Grade: A	90% – 100%
Course Grade: B	80% – 89.9%
Course Grade: C	70% – 79.9%
Course Grade: D	60% – 69.9%
Course Grade: F	Less than 60%
Course Grade: W	See Withdrawal section of Syllabus

Response Time

Students can expect a response time of 24 hours for the instructor to respond to messages sent via MOER, Canvas Learning Management System, or email. Students can expect assignments to be graded within 48 hours of the assignment’s due date.

Attendance Policy

Attendance in an hybrid classroom involves consistent and regular progress on the course online assignments and attending all of the weekly class sessions. Failure to complete two weeks of assignments and missing 2 weeks of class may result in being withdrawn from the course.

Instructional Contact Hours (Seat Time)

This is a five (5) credit-hour course. Plan to spend at least five hours on course content or seat time (direct instruction) and fifteen hours on homework weekly. Accelerated courses will require additional time per week.

Withdrawal Policy

Class Policies

- 1) Failure to attend the first day of class, Wednesday, 1/29/2025, will result in being dropped from the course.
- 2) Students who do not complete the Midterm and Final Exams will be withdrawn.
- 3) Students who fall behind schedule by more than one Chapter may be withdrawn.
- 4) Students who do not complete any work in MOER for 10 consecutive days (and are behind schedule) may be withdrawn.

If you find that you need to withdraw from the course, please speak to me first. I may be able to recommend other options or discuss alternative courses of action concerning future classes.

College Policies

- 1) Student may initiate an official withdrawal from any course by submitting a withdrawal form with required signatures to the A&R office within published deadlines.
- 2) Failure to attend any classes is not a guarantee for a refund or an excuse of debt incurred through registration. See Refund Policy in the [2019-2020 College Catalog](#) page 241.
- 3) Official date of withdrawal is last date of attendance as determined by student's withdrawal or as reported by the instructor.
- 4) The official date of withdrawal will determine degree of refund, if any.
- 5) Failure to file an official withdrawal form within published deadlines can result in a failing grade and may affect refund of course tuition and fees.

Technology Statement(s)

Third-Party Learning Tools

SCC utilizes a variety of software applications and web-based tools operated by third party vendors to support student learning. To allow student access to the application, site, or tool certain identifiable information may be required to establish a user name or password, submit work and/or download information from these tools. Inherent with all internet-based tools, there is risk that individuals assume when electing to use the products and services made available by these tools, as they may place information at risk of disclosure.

In this course, we will use MOER and Respondus Lockdown Browser + WebCam to complete or participate in assignments, activities and/or access course materials. [Accessibility Statements and Privacy Policies](#) for all tools used at SCC are available.

To use the third-party tools responsibly, please observe all laws and the Maricopa Community College District [Student Conduct Code](#). Some specific aspects of law and conduct code to remember are prohibitions against copyright infringement, plagiarism, harassment or interferences with the underlying technical code of the software. As a student using a third-party learning tool, you have certain rights. Any original work that you produce belongs to you as a matter of copyright law. You also have a right to the privacy of your educational records. Your contributions to the third-party learning tool constitute an educational record. By using the third-party tool, and not taking other options available to you in this course equivalent to this assignment that would not be posted publicly on the internet, you consent to the collaborative use of this material as well as to the disclosure of it in this course and potentially for the use of future courses.

Students are responsible for the information contained in this syllabus, the Syllabus page in your Canvas course and the **College Policies & Student Services** page found in the First Steps module of your Canvas course. Students will be notified by the instructor of any changes in course requirements or policies.