

Course Information

- Semester and Year: Fall 2026
- Course Title: Calculus 1
- Course Prefix and Number: MAT220/221
- Section Number: 18654/18547
- Credit Hours: 5/4
- Start Date: 09/08/26
- End Date: 12/18/26
- Class Format: Online

The course format for this course is On Your Time (OYT) Online in MOER. In order to get started in this course go to <https://moer.maricopa.edu/> and enroll in this course.

MOER Course ID: 24372

MOER Enrollment Key: dueck220/221online_F26

Instructor Information

- Instructor: Professor Patricia Dueck
- Email: patricia.dueck@scottsdalecc.edu
- Phone: 480-423-6594
- Office Location: CM429
- Office Hours: MW 4:00 PM – 5:30 PM (In Person in CM 453)
 - [Virtual office hours](#) are TTh 4:00 PM – 5:30 PM Please inform me via email ahead of time if you plan on attending. I often forget to turn on the computer during office hours.
 - Others by appointment

Course Description

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

Prerequisites and/or Corequisites

Grade of C or better in (MAT150 or MAT151 or MAT152 and MAT182) or MAT187 or equivalent, or satisfactory score on District placement exam.

Course Competencies

Analyze the behavior and continuity of functions using limits. (I)State the definition and explain the significance of the derivative. (II)Compute the derivative using the definition and associated formulas for differentiation. (II)Solve application problems using differentiation. (II)State and explain the

significance of the Fundamental Theorem of Calculus. (III) Compute anti-derivatives, indefinite and definite integrals of elementary functions. (III) Read and interpret quantitative information when presented numerically, analytically or graphically. (I, II, III) Compare alternate solution strategies, including technology. (I, II, III) Justify and interpret solutions to application problems. (I, II, III) Communicate process and results in written and verbal formats. (I, II, III)

General Education & Institutional Learning Outcomes

General Education provides foundational learning experiences that contribute to academic and career success. It is reflected in [Scottsdale Community College's Institutional Learning Outcomes](#): Arts & Humanities Awareness, Career Readiness, Critical Thinking and Problem Solving, Effective Communication, Information Literacy, and Social Responsibility. In MAT 220/221, the focus will be on developing students' critical thinking and problem solving.

Program Learning Outcomes

Credit-bearing courses at Scottsdale Community College can count toward the completion of a degree or certificate program. Each program has Program Learning Outcomes, which are learned assets that students can claim to have acquired by completing their academic or occupational program at SCC. Program Learning Outcomes can be found on the [Degrees and Certificates page](#) of the SCC Website. For each degree, look under "What You'll Learn."

This course is a General Education course that is foundational to many degree programs and a key component of the Arizona General Education Curriculum (AGEC) certificate program. This course fulfills a mathematics requirement for the [AGEC – S](#) (for Science and Math-based Majors).

Texts and Course Materials

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.

Computer

- You will need regular access to a computer (with online connection) in order to complete the online homework and online modules that are part of this course.

Webcam

- You will need a working webcam in order to take the exams if using MonitorEDU.

Email

- You will need a working email address that you check regularly.
- I do send regular class announcements and information via email which will be sent to your SCC email. Information about how to access and forward your SCC email account can be found under student resources on the SCC website.

- You can change your email in MOER but if you have another email you would like to use have your gmail forwarded to that email address.

Textbook

- We will be using an open text for this course which can be downloaded for free, printed out, or purchased from Amazon.
- Links for downloading and/or purchasing can be found in MOER
- The text is NOT required for this course

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.

Policy on Incomplete

- In order to receive an incomplete in the course, the student must have completed at least 90% of the course work and have a passing grade at the time the incomplete is taken.

Policy on Student Grades

- Final grades are calculated using the scale listed in the syllabus. FINAL GRADES ARE NON-NEGOTIABLE. It is unethical to reach out at the end of the semester and request "a few extra points" or discuss the consequences of not earning the grade you want in the class. Messages of this nature will not receive a response.

Policy on Exams using Disability Resource Services (DRS)

- Students using DRS to assist with this course are responsible for setting up any necessary accommodations prior to taking any assessments. This is only for items for which DRS is needed.

Policy on Exam Proctoring

- Exams must be proctored. Proctors provide rules for test takers. Any instance where an exam rule or a proctor instruction is not followed may result in a loss of points or a forfeiture of the exam completely.

Withdrawal Policies

- Withdrawing with a 'W' in the course is subject to Maricopa Withdrawal Policies. [Please check the calendar for final withdrawal dates.](#)
- If a student is not withdrawn by the dates listed in the policy guide, a final grade will be given.

Attendance Policy

Attendance is determined via your participation in the course. This is not a self-paced course. You must complete assignments and make regular progress or you will be withdrawn. Refer to the Calendar section in MOER for the assignment submission schedule. Students that fall one week behind the Calendar schedule may be withdrawn from the class without notice. To keep an active

status you must have logged in to MOER and worked on an assignment (just logging in does not count as activity) or email your instructor to let him/her know why you have not logged in for 1 week. There is a syllabus quiz and an introductory homework assignment due the first week of class, if these are not completed you will be withdrawn.

Instructional Contact Hours and Minimum Course Expectations

Instructional contact hours are the weekly time students spend directly learning with their instructor or course activities. These activities include, but are not limited to, lectures, discussions, labs, group work, and viewing recordings. Instructional contact hours vary by course; refer to the [MCCCD course bank](#) for your course's details.

Minimum course expectations This is a three (4/5) credit-hour course. Plan to spend at least 12-15 hours on course content or seat time (direct instruction) and six hours on homework weekly. Accelerated courses will require additional time per week.

Students are encouraged to use the [Time Management Calculator](#) to help estimate their weekly time commitment for classes.

Course Technologies

View the [Accessibility Statements & Privacy Policies](#) of the technologies used in this course.

Maricopa Systems

This course uses key Maricopa systems for course management and communication.

- Canvas Learning Management System
- Student Maricopa Gmail Account
- Maricopa Open Educational Resource Learning System (MOER)

Streaming Media/Audio/Video Tools

This course uses webcasting, lecture capture systems, YouTube, and/or other streaming media services.

- YouTube

Exam Proctoring Tools

Remote Proctoring

Some exams in this course will have the option to be proctored a remote proctoring service. This service allows you to take a supervised exam on demand. During a proctored exam, you will be monitored via your webcam, microphone, screen-sharing, and a secondary device (such as a smartphone) to ensure academic integrity. Please be aware that:

- This is a fee-based service
- You must meet the general and device requirements to use the service
- You will be required to scan your workspace before each testing session

- More information is available in MOER

Accommodations for Online Proctoring

If you have approved DRS accommodations, they still apply during online proctored exams (e.g., ProctorU or MonitorEdu). Some setups may need advanced coordination, so please contact your instructor as soon as possible to ensure everything is in place.

Generative Artificial Intelligence (AI) Policy

The World Economic Forum defines generative AI as “a category of artificial intelligence (AI) algorithms that generate new outputs based on the data they have been trained on. Unlike traditional AI systems that are designed to recognize patterns and make predictions, generative AI creates new content in the form of images, text, audio, and more.”

Some examples of generative AI tools include but are not limited to: ChatGPT, Google Gemini, Microsoft Copilot, Stable Diffusion, GrammarlyGo, and Adobe Firefly.

Some Generative Artificial Intelligence (AI) Allowed in Specific Circumstances

There are situations and contexts within this course where you may be permitted to use generative AI tools. In these cases, specific guidelines will be provided in the assignment details. If you are unsure if the tool or website you are using is a generative AI tool or if it is permitted on a specific assignment, please contact the instructor for further clarification before submitting your work.

Grading Standards and Practices

Grade Scale

Letter Grade	Points Range
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

Assignments

Assignment Name	Percent of Grade
Online Lessons	15%
Online Homework	20%

Online Quizzes	15%
Exams	50%
TOTAL:	100%

Students in MAT220

For students taking MAT220 you are required to complete a short essay at the end of each module. There will be questions for you to answer. You can find the link at the end of each module below or in the calendar. There will be 5 essays to complete, 1 for each module. These essays count as part of your homework grade. The essay questions are not required for students taking MAT221. For students enrolled in MAT221 you will see an 'x' in the grade column for the Module Recap Essays indicating that you are excused from these assignments and they will not count towards your grade.

Note: Both MAT220 and MAT221 transfer the same with regards to Calculus. MAT220 is 5 credit hours, 4 of which transfer for Calculus credit. The extra hour can transfer as a general elective.

Course Components

Online Lessons (15% of grade)

- Links to online lessons are located in MOER
- These lessons should be completed by the given due date prior to attempting online homework
- You must get at least 50% on a lesson before you can begin the homework for that topic.
- Online lessons contain multiple choice, matching, and short answer questions regarding their content that must be answered in order to score points.
- Scores for online lessons can be improved up until the last day of class via a latepass.
- These lessons contain important concepts for the topics covered.
- Online lesson scores are based on number of questions in lesson.
- Lowest online lesson score is dropped.

Online Homework (20% of grade)

- Online homework is assigned in MOER
- Problems may be attempted until correct up until the due date for the assignment
- You can opt to see the answer for a problem and have a new problem generated
- Assignments are worth varying totals based on the number of questions and the amount of points each question is worth.
- If you need more time to complete an assignment a Latepass should be used.
- Problems worked on during Latepass incur 20% penalty. Latepasses do NOT negatively impact your score on an assignment, only add to it.
- Lowest online homework score is dropped

Quizzes (15% of grade)

- There will be a quiz given at the conclusion of each chapter

- You will get multiple attempts at each question, but the points possible drops by 30% for each incorrect answer.
- Quiz dates are listed in MOER. If you cannot complete a quiz by date listed you must use a Latepass. There is a 20% penalty for quizzes completed late.
- Lowest quiz score is dropped.

Exams (50% of grade)

- The midterm and final will be multiple choice.
- All exams must be proctored.
- Exams taken after the assigned date in MOER will be subject to a late penalty regardless of the reason and may not be accepted.

Student/Instructor Interaction

In this course, you can expect regular and substantive interaction (RSI) that aligns with Scottsdale Community College's mission to provide challenging and supportive learning experiences and the US Department of Education's requirement for regular and substantive interaction (RSI) for online courses. My commitment to your success includes the following:

- Being available during regularly scheduled student support hours as stated in the syllabus.
- Promptly responding to student questions about the course sent via email, MOER messaging, or the Canvas inbox.
- Regularly posting announcements about the course content and activities.

Response Time

Students can expect a response time of **24-48 hours** for the instructor to respond to messages sent via the Canvas Learning Management System or @maricopa.edu email. Students can expect assignments to be graded within **one week** of the assignment's due date.

Tutoring

SCC's tutors are available online to help with your courses. You may work with an SCC tutor remotely using Google Meet, your phone, or email. Visit the [Tutoring & Learning Centers](#) page for detailed information on the five learning centers' hours and procedures.

If you need to work with a tutor outside regular hours, online and hybrid students now have access to a 24/7 online tutoring service called Brainfuse. To access Brainfuse and begin working with a tutor, visit the [SCC Online Tutoring Services Through Brainfuse](#) page.

MCCCD Policies

MCCCD is committed to providing a safe, fair, and accessible environment for all students. This includes laws such as the ADA and Title IX, which protect against discrimination. These statements

explain your rights, available support, and where to go for help or more information. Please review the following policies:

[Classroom Accommodations for Students with Disabilities](#)

[Addressing Incidents of Title IX Sexual Harassment](#)

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.