

College Math Syllabus

Course Information

- Semester and Year: Fall 2026
- Course Title: College Mathematics
- Course Prefix and Number: MAT141
- Section Number: 19142
- Credit Hours: 4
- Start Date: 08/24/2026
- End Date: 12/18/2026
- Class Format: Online

Instructor Information

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Course Description

Working knowledge of college-level mathematics and its applications to real-life problems. Emphasis on understanding mathematical concepts and their applications. Topics include proportional reasoning, modeling, finance, probability, and statistics.

Prerequisites and/or Corequisites

Prerequisites: An appropriate District placement, or a grade of C or better in (MAT052, MAT053, and MAT055), or (MAT055, MAT056, and MAT057), or MAT09+, or MAT103, or MAT114, or MAT115, or MAT12+.

Course Competencies

- 1) Solve contextual problems using proportional reasoning and dimensional analysis. (I)
- 2) Demonstrate evidence-based decision making. (I-V)
- 3) Evaluate the reasonableness of an answer in the context of the problem. (I-V)
- 4) Demonstrate fluency with formulas, including evaluating and isolating variables. (II-V)
- 5) Model data using linear and exponential (and optionally other) equations. (II)
- 6) Compute and interpret empirical and theoretical probabilities and expected value of events. (III)
- 7) Calculate, display and interpret measures of central tendency, variability and position. (IV)

- 8) Use the Standard Normal Distribution to solve problems concerning normally distributed data. (IV)
- 9) Solve finance problems including loans, amortizations, investments. (V)

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.

This course emphasizes the development of critical thinking and problem-solving skills. Students will demonstrate these skills by meeting the following institutional learning outcomes:

- 3.1 Identifies information relevant to the issue or problem.
- 3.2 Explains graphical information.
- 3.3 Demonstrates understanding of a phenomenon.
- 3.4 Analyzes data using relevant methods.
- 3.5 Solves problems or defends claims using logical or quantitative reasoning.
- 3.6 Synthesizes evidence to support a conclusion or solve a problem.

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](#) (for Liberal Arts Majors).

Texts and Course Materials

This course uses OER (Open Educational Resources). All the materials for the course are available digitally for free in the Course Management system, MOER. There is information on obtaining a printed copy of the materials for cost of printing as well.

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.

Withdrawals

This course complies with [Scottsdale Community College's Withdrawal Policy](#)

- 1) Student-Initiated Withdrawal: The deadline to withdraw from the course with a guaranteed grade of W is **10/11/2026**.

- 2) Instructor Approval of Withdrawal: The final date to request a withdrawal with a grade of W is **12/04/2026**
- 3) Instructor-Initiated Withdrawals: Students *may* be withdrawn by the instructor for any of the following reasons:
 - Not completing the required online assignments for two consecutive chapters.
 - Not attempting the Midterm Exam.
 - Inactivity in MOER (no assignments or coursework completed) for 10 consecutive days.

Attendance Policy

Attendance in an online classroom involves consistent and regular progress on the course's weekly assignments. Failure to complete all weekly assignments for two weeks may result in being withdrawn from the course.

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 include the number of hours students are expected to spend outside of class (weekly) completing coursework. 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. The [SCC Help Desk](#) provides students with a primary point of contact within SCC for college-supported technology services and technical assistance.

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)

Exam Proctoring Tools

MonitorEDU

Exams in this course will have the option to be proctored using MonitorEDU, a remote proctoring service adopted by Scottsdale Community College (SCC) for online courses. 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:

- MonitorEDU 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

Review the [MonitorEDU Student Instructions](#) before your exam to set up your devices and understand the process. Following these guidelines will help ensure a smooth and successful testing experience.

Respondus LockDown Browser

Respondus LockDown Browser secures online exams by locking down the testing environment within Canvas. LockDown Browser prevents access to other applications and many common functions on a computer while an assessment is active. Online exams in this course require the use of this software. A LockDown Browser download link will be provided within the MOER course. For further information, see the [Student Resources](#) page provided. For your reference, read the [System Requirements for LockDown Browser](#) and [LockDown Browser Terms of Use](#).

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.

No Generative Artificial Intelligence (AI) Allowed

In this class, all work submitted must be your own. The use of generative AI tools will be considered academic misconduct (see Administrative Regulation 2.3.11 1.B(b)) and will be treated as such. If you are unsure if the tool or website you are using is a generative AI tool, please contact the instructor for further clarification before using the tool or website.

Academic Integrity Violation and Penalties

If it is determined by the instructor that a student has used AI or other resources that are not allowed during an assignment or an exam, the student will either receive a 0 on the assignment or be required to complete the assignment or exam at an in-person proctored setting on paper.

Grading Standards and Practices

Grade Scale

Letter Grade	Points Range
A	90 – 100%
B	80 – 89.99%
C	70 – 79.99%
D	60 – 69.99%
F	0 – 59.99%

Assignments

Assignment Name	Number of Assignments	Percent of Grade
Interactive Lessons	13	15%
Quizzes	13	20%
Exam Reviews	2	5%
Exams	2	60%
TOTAL:	30	100%

Late Assignment Policy

You may not submit any at home assignments late for credit. This includes Interactive Lessons, Quizzes, and Exam Reviews.

- There are 13 Interactive Lessons and 13 Quizzes in this course. Your two lowest scores in each category will be dropped from your course average calculation.
- There are two Exam Reviews. They are worth 2.5% each. Neither score will be dropped.
- You will be able to access Interactive Lessons and practice problems after the due date. Working on these assignments after the due date does not change your score.
- Exam extensions 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 an exam extension with a penalty. (See the link in the syllabus to the college catalogue for documentable extenuating circumstances that warrant extensions without penalty.)

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 office hours as stated in the syllabus.
- Sharing weekly information about the course materials, including key information, explanations, examples, and resources via in-person, recorded, and/or text-based lectures.
- Providing group or individual feedback regularly on assignments.
- 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.
- Monitor your academic progress and communicate concerns, as needed.

Response Time

Students can expect a response time of **24 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

In accordance with the Americans with Disabilities Act (ADA), the Maricopa County Community College District (MCCCD) and its associated colleges are committed to providing equitable access to learning opportunities to students with documented disabilities (e.g. physical, sensory, neurological, chronic illness, mental health, learning disabilities, or other health concerns). If you require accommodations for this course, please contact [Disability Resources and Services](#) (DRS) at your college.

Contact with [DRS](#) should be made as soon as possible to ensure academic needs are met in a reasonable time. Additional information can be found in the [Non-Discrimination Statement](#) and [MCCCD Non-Discrimination Policies](#).

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

Students are responsible for the information contained in this syllabus, the Syllabus page in the Canvas course, and the College Policies & Student Services page located under SCC Student Resources in the Canvas course navigation menu. The instructor will notify students of any changes to course requirements or policies.