



**SCOTTSDALE
COMMUNITY COLLEGE**

A MARICOPA COMMUNITY COLLEGE

Course Information

Semester & Year:	Fall 2024
Course Title:	College Mathematics
Course Prefix & Number:	MAT141
Section Number:	12606
Credit Hours:	4
Start Date:	10/21/2024
End Date:	12/13/2024
Meeting Days:	Mondays & Wednesdays
Meeting Times:	10:30AM – 12:10PM
Location:	CM463

Course Format

This is a **Hybrid** course. The course is an 8-week course that runs October 21 – December 13 and meets in person in CM463 on Mondays and Wednesdays from 10:30AM – 12:10PM. You are expected to attend each class.

Instructor Information

Instructor:	Martha Gould
Email:	martha.gould@scottsdalecc.edu
Office Hours:	Office hours will be available as requested
Cell:	(602) 695 - 6354

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

An appropriate District placement, or a grade of C or better in (MAT052, MAT053, and MAT055), or (MAT055, MAT056, and MAT057), or MAT085 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)

Texts and Course Materials

Textbook: A digital copy of the textbook can be accessed for free on MOER. Students who want to purchase a physical copy of the textbook can purchase it through lulu. The textbook will be delivered to the student's home address. Using lulu will take up to two weeks (unless the student pays for expedited shipping).

The link is:

[Link to Purchase Physical Copy of the Textbook \(OPTIONAL\)](#)

Online Course Management System: This course uses MOER, an Online Course Management System developed by David Lippman and the State of Washington. All of the Online assignments 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/>. ***Failure to enroll in MOER and complete the required Syllabus Quiz by the due date will result in being withdrawn from the course.***

Calculator Information:

The instructor strongly recommends a TI-83/TI-84. Calculators with QWERTY keyboards or those which do symbolic algebra (such as the TI-92 or TI-89) are NOT allowed. You are expected to bring your calculator to each class session. Your cell phone may NOT be used as a calculator during Exams. Sharing of calculators during Exams is NOT permitted.

You may purchase a physical calculator. You can find them on eBay or other websites (but buyer beware!) or at Walmart/Target/Amazon/etc.

You can also rent a TI83/84 through the SCC Media Center. Generally the cost is \$10 for the semester. You can make an appointment to pick up the calculator by calling the Help Desk at (480) 423 - 6274 (press option #3). Please be aware that the calculator rentals are on a first come, first served basis and there are limited quantities.



Computer Access, Webcam, Microphone, and Email: You will need regular access to a computer with online capabilities to complete online assignments in MOER. You will also need a valid email address that you (and only you) check regularly.

Course Technologies

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

Maricopa Systems

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

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

Synchronous Communication Tools

This course implements the use of web conferencing and/or other synchronous course tools.

- Google Meet

Streaming Media/Audio/Video Tools

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

- YouTube

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.

Course Progression: Students are expected to keep up with the assignments and due dates. **Students who fall more than 1 Chapter behind (or do not complete any online work over the course of 3 consecutive days) may be withdrawn from the course.** Also, failure to enroll and complete the Syllabus Quiz in MOER by the due date will result in being withdrawn from the course.

Withdrawing from the Course: If it becomes necessary for you to withdraw from the class, you must submit proper forms at the Admissions Office. The last day to withdraw **without** an instructor’s signature is at the end of the seventh week. The last day to withdraw **with** an instructor’s signature is two weeks before the last day of class. Additional information on withdrawals can be found in the College Catalog.

Generative Artificial Intelligence (AI) Policy:

Generative AI can be defined 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 Bard, Microsoft Copilot, Stable Diffusion, GrammarlyGo, and Adobe Firefly

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.

Grading Standards & Practices

Grade Scale

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

Grade Categories: Your final grade will be determined by the following graded components:

Mini Lessons	10%
Online Homework	25%
HW Quizzes	15%
Midterm Exam	25%
Final Exam	25%

Mini Lessons: For each chapter, you are expected to read the chapter, watch Mini Lesson videos online and complete Mini Lesson problems in MOER. Completing the Mini Lessons will help you learn the material and prepare you for the Online Homework assignments. Mini Lesson due dates are posted in the MOER Calendar.

Mini Lessons are worth 10% of your final course grade.

Online Homework: You are expected to complete Online Homework assignments. These assignments are completed online using MOER. It will benefit you to write out the Homework problems and show your work. Homework assignment due dates will be posted in the MOER Calendar. **The Online Homework is worth 25% of your final course grade.**

Homework Quizzes: End of chapter Homework Quizzes will be assigned in MOER over each chapter and will cover the material you practiced in your Online Homework assignments. You will have two attempts for each question. The second attempt (if you need it) will earn you a MAXIMUM of 70% for that question. Homework Quiz dates will be posted in the MOER Calendar. Homework **Quizzes are worth 15% of your final course grade.**

Midterm Exam: There will be a Midterm Exam worth 25% of your grade. Makeup Midterm Exams will only be granted in extreme circumstances and must be approved BEFORE the missed Exam. DO NOT wait until after the missed Midterm Exam to contact the instructor. Failure to adhere to this policy may result in a grade of zero for the missed Midterm Exam. **The Midterm Exam will be given in person on the SCC campus.** Other arrangements can be made on an individual basis IF AGREED UPON AT LEAST ONE WEEK IN ADVANCE by both the student and instructor.

Final Exam: There will be a Final Exam for the course worth 25% of the course grade. Makeup Final Exams will only be granted in extreme circumstances and must be approved BEFORE the missed Exam. DO NOT wait until after the missed Final Exam to contact the instructor. Failure to adhere to this policy may result in a grade of zero for the missed Final Exam. **The Final Exam will be given in person on the SCC campus.** Other arrangements can be made on an individual basis IF AGREED UPON AT LEAST ONE WEEK IN ADVANCE by both the student and instructor.

Late Work: No late work is accepted

Response Time

Your instructor will respond to posts on the discussion board, messages, and emails within 8 business hours (usually faster). Please understand that business hours are from 9 am to 5 pm, Monday through Friday. If you post a question or message, be aware that after 5 pm on Friday until Monday morning at 9 am is NOT part of business hours. Any holidays are also not considered part of business hours. Students can expect assignments to be graded within 5 business days after the due date.

Attendance Policy

SCC policy states that you may be withdrawn from the course by the instructor after three unexcused absences. Consistent tardiness will not be tolerated. If you arrive to the classroom after class has started, you will be marked tardy. For every 3 class periods in which you are tardy, you will earn 1 unexcused absence.

Instructional Contact Hours (Seat Time)

This is a four (4) credit-hour course. Plan to spend at least four (4) hours on learning course content or direct instruction and at least eight (8) hours on homework weekly. **Accelerated courses will require additional time per week.**

SCC Math Center Tutoring

SCC's tutors are available in-person to help with your course. **No appointments are necessary for the free tutoring offered through the SCC Math Center.**

Visit the [SCC Tutoring & Learning Centers](#) page for detailed information on the five learning centers' hours and procedures.

As much as possible, it is highly recommended that you utilize SCC tutors since they are more familiar with SCC coursework, instructor expectations, and assignments.

Brainfuse

If you need to work with a tutor outside of the regular hours of the SCC Math Center, online and hybrid students now have access to a 24/7 online tutoring service called Brainfuse. Brainfuse provides online tutoring in a variety of academic subjects. Each student may utilize up to 6 hours of online tutoring through Brainfuse per semester and has the option of requesting additional time if needed.

To access Brainfuse and begin working with a tutor:

1. Visit the [SCC Online Tutoring Services Through Brainfuse](https://www.scottsdalecc.edu/students/tutoring/online-tutoring) page (<https://www.scottsdalecc.edu/students/tutoring/online-tutoring>)
2. Click the **Visit a tutor online** button
3. Enter your MEID and password
4. Choose your topic and subject
5. Click the **Connect** button

Please use your time effectively and be prepared with your questions before you connect to a tutor. Tutors and students communicate in real-time so whatever you type, draw, or share on the screen, the tutor sees, and vice versa. You may also want to have screenshots ready if applicable. All Brainfuse sessions are recorded for review later.

Learning Tools and Your Privacy and Security

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 username or password and submit work and/or download information from these tools. Inherent with all internet-based tools, there is a risk that individuals assume when electing to use these tools, as they may place information at risk of disclosure.

In this course, we will use MOER 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 learning tools responsibly, please observe all laws and the Maricopa Community College District [Student Conduct Code](#), such as copyright infringement, plagiarism, harassment or interference with the underlying technical code of the software. As a student using a 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 learning tools constitute an educational record. By using the 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.

I look forward to working with you this semester!

Please do not be afraid to ask for help-that is what I am here for!

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.