



## Course Information

Semester & Year:	Spring 2025
Course Title:	College Mathematics
Course Prefix & Number:	MAT 141
Section Numbers:	30186
Credit Hours:	4
Start Date:	3/17/2025
End Date:	5/9/2025

## Course Format

The course format for this course is On Your Time Online. The course is not self-paced, and has required due dates. The course runs March 17<sup>th</sup> – May 9<sup>th</sup>. The course has 2 proctored exams.

## Instructor Information

Instructor:	Dr. Lindsay Gilbert
Email:	Lindsay.gilbert@scottsdalecc.edu
Phone:	480 – 382 – 8099
Office Hours:	Office hours are held virtually and by appointment only

## 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.

## 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

**Required Text:** College Mathematics, Scottsdale Community College, 4<sup>th</sup> edition OER, ISBN: 979-8-88672-003-7. A digital copy of the textbook can be accessed for free on the course website in MOER. If you would like a printed copy of the textbook, it can be purchased using this [link](#).

**Online Course Management System:** This course uses MOER, a free Online Course Management System. All of the Online Homework 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 Requirement:** A graphing calculator is required for this course. The instructor strongly recommends a TI-84+ (a TI-83+ is acceptable). If you choose not to purchase one, you can rent one on a first come, first served basis for \$10 per semester from the Media Center in IT. 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 graphing calculator to each exam. Your cell phone may NOT be used as a calculator during exams. Sharing of calculators during quizzes or exams is NOT permitted.

**Computer Access, Webcam, Microphone, and Email:** You will need regular access to a computer with online capabilities in order to complete online assignments. You will also need access to a Webcam and a Microphone if you select to get tutoring online, attend virtual office hours, or take your exams online. 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.

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

### Synchronous Communication Tools

There is no synchronous portion to the course, but students who choose to meet with the instructor may require the use of web conferencing and/or other synchronous course tools.

- WebEx

### 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:** This is an online course, but it is NOT self-paced. 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 7 consecutive days) may be withdrawn from the course. Also, failure to enroll and/or complete the syllabus quiz in MOER by the due date will result in being withdrawn from the course.

**Attendance:** SCC policy states that you may be withdrawn from the course by the instructor after three unexcused absences. For an online course, this is equivalent to not completing any online assignments over 7 consecutive days.

**Withdrawing from the Course:** This is not a self-paced class. You have assignments and due dates and must make regular and consistent progress on course work and assignments. **If you miss an Exam, you will be withdrawn, so be sure to stay in touch with your instructor. Students that stop participating and fail to respond to instructor communication will be withdrawn from the class.**

Students can request to withdraw from this class (with a grade of W) at any time prior to taking the Final Exam. Students that take the Final Exam cannot earn a W for the class.

If a student withdraws or is withdrawn from the course, the instructor is required by law to report last day of attendance (LDA). This date is based upon actual work that is submitted and/or communication with the instructor about the 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.

**Math/Science Tutor Center:** Free tutoring, calculator assistance, and computers are available both in person and online through the Math/Science Tutor Center (<https://www.scottsdalecc.edu/students/tutoring/math>). You will need to know your SCC student ID number in order to sign in.

In addition, all SCC math students will have access to the private SCC Math Tutoring Server in Discord. This server is available to all SCC math students and will be monitored by tutors during all Math Center hours, including the remote hours on evenings and weekends. Here is the invite link to join the SCC Math Tutoring Server in Discord: <https://discord.gg/R68kEDwrVA>

### Online Tutoring

As much as possible, it is highly recommended that you utilize SCC Math Center tutors since they are familiar with SCC coursework, instructor expectations, and assignments; however, if you need to work with a tutor outside regular Math Center hours, you have access to a 24/7 online tutoring service called Brainfuse. You may utilize up to 6 hours of online tutoring through Brainfuse per semester and have the option of requesting additional time if needed.

Visit the [SCC Online Tutoring Services Through Brainfuse](#) page for detailed information about Brainfuse tutoring.

## 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 events:

Mini Lessons	10%
Online Homework	15%
HW Quizzes	15%
Midterm Exam	30%
Final Exam	30%

**Mini Lessons:** For each chapter, you are expected to read the chapter, and work through the entire mini lesson in MOER. This will help you learn the material, and prepare you for the homework assignments. Late lessons will only be accepted until the next exam (midterm or final). You must use late passes to extend deadlines. Mini lessons are worth 10% of your final course grade.

**Online Homework:** You are expected to complete weekly homework assignments. These assignments are completed online using MOER. It will benefit you to write out the homework problems, and show your work. Assignments and due dates will be posted in MOER. The Online Homework is worth 15% of your final course grade. Late homework will only be accepted until the next exam (midterm or final). You must use late passes to extend deadlines.

**Homework Quizzes:** End of chapter homework quizzes will be assigned in MOER over each chapter and will cover the material you practiced in your homework assignments. They are worth 15% of your final course grade. Quiz dates will be announced in MOER. **No make-up quizzes will be given.** Late quizzes will only be accepted until the next exam (midterm or final). You must use late passes to extend deadlines.

**Midterm and Final Exam:** There will be a midterm exam and a final exam, each worth 30% of your grade (for a total of 60%). Make up exams will only be granted in extreme circumstances, with documentation, and must be approved BEFORE the missed exam. DO NOT wait until after the missed exam to contact me. Exam proctoring options are listed below. If you are unable to attend the exam at the date/time provided, you must make other arrangements with me AT LEAST ONE WEEK PRIOR to the exam date. The exam dates and times are posted in MOER on the course calendar. Exams not taken by the class exam date may be assessed a late penalty of 20%, or may be given a score of 0, depending on unique circumstances. Any exams not completed by 3 days past the due date will be given a score of 0, and will result in being withdrawn from the course.

**Proctoring Options for Exams:** A Google Form will be shared with you within the first few weeks of the course where you will let me know which ONE of the 3 options you will use to take the two proctored exams (midterm and final). If none of the options work for you, there is also a choice on the form to let me know that as well.

Option 1: Instructor-Proctored Exam (**FREE**) Exams will be proctored in a Zoom session. Students will need a separate device (i.e. phone, tablet, computer, etc.) with which to connect to Zoom and show their screen while taking the exam. Dates will be posted in MOER. Have your calculator, pencils, erasers, and photo ID with you when you take these exams.

Option 2: SCC Testing Center (**FREE**) If you are unable to take an exam at the scheduled times using Zoom, you can take the exam in person at the SCC Testing Center on or before the due date. The SCC Testing Center is free and by appointment only (no walk-ins). Contact the instructor for more information. Bring your calculator, pencils, erasers, and photo ID with you when you come to take these exams. Arrangements for the Testing Center must be made by the instructor at least one week in advance of the scheduled exam. Here is a link to the [SCC Testing Center Website](#) for more information. You will need to know your MEID (not your student ID), and password to be able to log in to school computers. This is the same password as you use to log into your school Gmail account.

Option 3: Online via ProctorU (**FEES APPLY**) ProctorU is **not free**, and students pay all of the associated fees. You can use an online proctoring service called ProctorU to take these exams remotely on or before the due date. ProctorU allows test-takers to take a supervised exam on demand or by appointment. ProctorU fees vary based on how far in advance your session is scheduled. During the testing session, you will be supervised live through a webcam and the proctor will have access to your computer using screen sharing technology as you take your exam. **Please note that ProctorU requires a room scan prior to all testing sessions.** If the room scan is not acceptable to the student, then other arrangements besides ProctorU must be made.

Students must [create an account](#) with ProctorU and [download the Guardian Browser](#) onto a personal computer. You should [test your equipment](#) before taking the exam to ensure no difficulties will arise on exam day. For your reference, read the [System Requirements for ProctorU](#) and [ProctorU Terms of Service](#). ProctorU is a fee-based service.

[ProctorU - Test-Taker Information](#)

[Student Guide](#)

## 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 for student support hours as stated in the syllabus.
- Sharing weekly information about the course materials, including key information, explanations, examples, and resources via recorded, and/or text-based lectures.

- Engaging in discussions about course content within forums in MOER.
- Promptly responding to student questions about the course sent via email or MOER messaging.
- Regularly posting announcements about the course content and activities.

## 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.

## Instructional Contact Hours (Seat Time)

This is a four (4) credit-hour course. Plan to spend at least four hours on learning course content, and at least eight hours on homework weekly.

## Disability Resources and Services (DRS)

Students who require a DRS accommodation must work through the DRS office. Your instructor must receive the official DRS accommodation alert prior to a given exam or assessment in order to apply the accommodation. For information about DRS and class accommodations, visit: <https://www.scottsdalecc.edu/students/disability-services>

## 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 user name 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.

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.