Course Information

Semester & Year: Spring 2024

Course Title: College Mathematics

Course Prefix & Number: MAT 141

Section Number: 16826

Credit Hours: 4

Start Date and End Date: 3/18/2024 - 5/10/2024

Course Format

The course format for this course is On Your Time Online. The course is an 8-week course that runs from March 18th – May 10th and does not meet in person. Exams will be offered in person or can be taken virtually using the ProctorU service at the student's expense.

Instructor Information

Instructor: Dr. Lindsay Gilbert

Email: lindsay.gilbert@scottsdalecc.edu

Phone: 480-382-8099

Office Hours: 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, 4th edition OER, ISBN: 979-8-88672-003-7. The instructor HIGHLY RECOMMENDS you purchase a printed copy of the textbook (digital copies can be accessed for free on MOER). The printed copy of the textbook should be purchased from the SCC Bookstore.

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 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.

See directions in Canvas for creating an account and enrolling in a course in MOER.

> **Course ID:** 18684
>
> **Enrollment Key:** 03182024

Calculator Requirement: A graphing calculator is required for this course. The instructor strongly recommends a TI-83+/TI-84+. If you choose not to purchase one, you can rent one 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 class session. Your cell phone may NOT be used as a calculator during class or on 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 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.

- Zoom

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 course 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.**

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 coursework and assignments. If you miss an Exam you will be withdrawn so be sure to stay in touch with your instructor. Students who stop participating and fail to respond to instructor MOER 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 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.

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, watch mini lesson videos online, and complete mini lesson problems in MOER. This will help you learn the material and prepare you for the homework assignments. 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.

Homework Quizzes: End of chapter homework quizzes will be given each week in class 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 class and in MOER.

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. The exams will be in person on the SCC Campus or online using ProctorU. If you choose to use the ProctorU service, you are responsible for paying the fee. The exam dates, times, and locations are posted in MOER on the course calendar. Exams not taken by the due 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.

Late Work: Late work is only accepted for Mini Lessons, Online Homework, and Homework Quizzes. Late work is NOT accepted for the Midterm and Final Exams.

Exam Proctoring Tool - ProctorU

ProctorU allows test-takers to take a supervised exam on demand or by appointment. SCC has adopted ProctorU as an option for providing proctoring services for our online courses. All the exams in this course (midterm and final) are proctored, meaning you can take the exam in-person (on scheduled days/times) or you are supervised live through a webcam and the proctor from ProctorU will have access to your computer using screen sharing technology when you take your exam. Please note that ProctorU requires a room scan prior to all testing sessions.

Students who choose this option 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. Students who select this option are responsible for paying the fee.

It is strongly recommended that you schedule your exam appointment AT LEAST 72 hours (3 full days) prior to the scheduled exam. ProctorU will allow you to schedule exams within 72 hours of your exam, but you will be charged an additional fee.

Please click the links below for additional information about ProctorU.

[ProctorU - Test-Taker Information](#)

[Student Guide](#)

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 class 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 hours on learning course content, and at least eight hours on homework weekly.

Online 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 [SCC Tutoring & Learning Centers](#) page for detailed information on the five learning center's 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; however, 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. 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 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.