SCOTTSDALE COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE

Course Information

Semester & Year:	Fall 2024
Course Title:	College Algebra
Course Prefix & Number:	MAT 151
Section Number:	12511
Credit Hours:	4
Start Date:	August 19, 2024
End Date:	October 11, 2024

Course Format

This course is On Your Time Online from August 19 to October 11 (8 weeks). On Your Time Online classes do not meet at specific class times. Coursework must be completed according to deadlines. In this class, exams will be proctored at the SCC campus.

Instructor Information

Instructor:	Carla Stroud
Email:	Carla.Stroud@scottsdalecc.edu
Phone:	(480) 423-6112
Office Location:	CM 424

Office Hours:

In-Person	Tues 10:00 am – 12:00 pm Wed 9:00 – 10:00 am Other times may be available by appointment
Online	Thurs 12:00 – 2:00 pm (by appointment only)

Course Description

Analysis and interpretation of the behavior and nature of functions including linear, quadratic, higher-order polynomials, rational, exponential, logarithmic, power, absolute value, and piecewise-defined functions; systems of equations, using multiple methods including matrices, and modeling and solving real world problems.

Course Notes: Students may receive credit for only one of the following: MAT150, OR MAT151, OR MAT152, OR MAT155, OR MAT156

Prerequisites

A grade of C or better in MAT095, or MAT096, or MAT114, or MAT115, or MAT12+, OR an appropriate district placement for MAT15+, OR permission of Department or Division Chair.

Course Competencies

1. Calculate and interpret the average rate of change in varied contexts, using function notation including the difference quotient.
2. Define, distinguish, and interpret the relations and functions and their inverses represented verbally, graphically, numerically, or algebraically.
3. Evaluate functions, including composition, and solve function equations and inequalities using multiple methods.
4. Set up, solve, and interpret the meaning of solutions of systems of linear equations using multiple methods, including matrices where appropriate.
5. Identify, graph, analyze, and determine the key characteristics of the following function types and their transformations: linear, quadratic, higher-order polynomial, power, radical, rational, exponential, logarithmic, absolute value, and piecewise-defined.
6. Model real world situations using a variety of mathematical techniques (including regression) and solve real world mathematical problems using functions.

Texts and Course Materials

Textbook: *College Algebra*, Scottsdale Community College Edition, Jay Abramson, copyright 2021 Rice University. The textbook is not required in this course. Students can view the textbook online for free from the MOER website.

Workbook: *College Algebra Student Workbook*, Carla Stroud, copyright 2021. The workbook is **strongly recommended**. Students can download and print the workbook for free from the MOER website. Another option is to pick up a free printed copy of at the SCC math center (please contact me if you would like to use this option).

Calculator: A graphing calculator is **required** for this course. A TI-83, TI-83+, or TI-84 are recommended. Calculators with QWERTY keyboards or those that do symbolic algebra (such as the TI-92 or TI-89) are NOT allowed. Your cell phone may NOT be used as a calculator on an exam.

Computer Access: Students will need regular access to a computer with internet connection to complete online assignments. Students are responsible for completing all assignments on time regardless of any computer issues that may occur.

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)

Streaming Media/Audio/Video Tools

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

- YouTube

MOER Account

We will be using MOER (https://moer.maricopa.edu) as the course learning management system. The syllabus, schedule, announcements, assignments, grades, and course materials/textbook will be available through MOER. **Students who do not create MOER account by the end of the first day of class will be withdrawn from the course.** Students can find information on how to log in to the course on Canvas.

Grading Standards & Practices

Grading Weights		**Grading Scale**
Video Assignments	10%	A 90% - 100%
Online Homework	10%	B 80% - 89%
Online Quizzes	15%	C 70% - 79%
Midterm Exam	30%	D 60% - 69%
Final Exam	35%	F 59% or less

Video Assignments: The Video Assignment is your direct instruction on the content and includes videos along with online questions. You will get three attempts at each question and will have to try a new similar question to try to get full credit.

Video Assignment Notes: The Video Assignment Notes are available in the College Algebra Workbook as well as online in MOER. It is strongly recommended that students complete the notes while watching the videos in the Video Assignments. Students will not be submitting the assignments notes for a grade.

Online Homework: The Homework is your opportunity to practice the material you learned while completing the Video Assignments. Write down your work and make note of any questions you may have. Questions can be posted to the FAQ forum for the instructor or other students to answer. You will get three attempts at each question and will have to try a new similar question to try to get full credit.

LatePasses: LatePasses can be used on Video Assignments and Online Homework. Any problems completed during the LatePass extension will result is a 20% penalty.

Online Quizzes: The Online Quiz gives you the opportunity to demonstrate your understanding of the material. You will have two chances per question and will have a 30% penalty on the second attempt. You will have the opportunity to retake two quizzes in an attempt to improve your score. The practice quizzes are optional but highly recommended and can be taken as many times as you wish. **Note, you can NOT use a LatePass for the Online Quizzes.**

Exams: The midterm exam covers Section 3.1 – 5.3 and the final exam covers all sections. Students must take both exams to earn a grade in the class. The exams will be proctored at the SCC campus (detailed information can be found in MOER). If you are unable to take the exam during the scheduled time, then you may use the SCC testing center, another testing center, or ProctorU. Note that other facilities and ProctorU charge a fee for their testing services which will be the responsibility of the student. Please contact the instructor **at least one week before the exam** if you are unable to make the proctored exam time so alternative arrangements can be made.

Exams must be completed by the deadlines listed in MOER. Students that miss an exam deadline may take the exam up to 3 days late, but they can only earn a maximum score of 70%.

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.

Academic Dishonesty: When academic dishonesty is suspected, students may be asked to describe their solution method or to redo a similar problem. Students who are found to be cheating on an exam will receive a 0 for the exam.

Course Grading Policy: Exam scores are non-negotiable and extra-credit is not offered in this course. Discussions about how the exam is graded will not be discussed via email. Instead, students are encouraged to meet with the instructor to review their exam performance. Final course grades are calculated using the scale listed in the syllabus (rounded to the nearest percent) and are non-negotiable. It is unethical for a student to request their final percentage be rounded up to earn their desired grade.

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 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.

Response Time

Students can expect the instructor to respond to messages within 24 hours Mon-Thurs and 48 hours Fri-Sun. Messages that don't adhere to the "Netiquette" Rules posted in MOER will not receive a response. Online lessons, homework, and quiz assignments will be graded immediately in MOER and other assignments (forum posts, reflections, etc.) will be graded within 48 hours after submission. Exams will be graded within 4 days of the due date.

Attendance Policy

Attendance in an online course involves consistent and regular progress on course assignments. This is not a self-paced class. Refer to the Calendar in MOER for the assignment submission schedule. Students that fall **one week behind** the Calendar schedule may be withdrawn from the class without notice. Additionally, Students who miss an exam may be withdrawn without notice.

Instructional Contact Hours (Seat Time)

On average, each 1-credit hour of a class requires 45 total hours of time commitment. The time commitment includes any scheduled meeting times as well as assignment work and study time. This is a four (4) credit-hour course completed in 8-weeks. Plan to spend an average of 24 hours each week on course content and homework.

Math/Science Tutor Center

The Math Center offers in person tutoring to students who are currently enrolled in mathematics courses at Scottsdale Community College. Visit their webpage for more information: https://www.scottsdalecc.edu/students/tutoring/math

Dedicated Tutoring (Remote Tutoring)

We are fortunate to have a tutor dedicated exclusively to this course! The dedicated tutor will assist students with mathematics questions and host live remote tutoring sessions. More information will be provided in MOER.

Online Tutoring

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 have access to the

24/7 online tutoring service Brainfuse. Each student may utilize up to 6 hours of online tutoring 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 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.

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.