SCOTTSDALE COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE

Course Information

Semester/Year/Dates: Spring 2024, 1/29- 5/10

Course Title/Section: MAT151: College Algebra

Credit Hours: 4

Room/Meeting Days/Times: March 6th and May 8th in SL 109

at 8 am.

Location: CM 460

Course Format

This course is online with two face to face exams scheduled at the times above. Note the exams are in person. If you can not make the exam times because you have another class or some other conflict you must contact me immediately to schedule a test in the testing center. If you are out of state you must contact me to make arrangements to schedule your test at a local college near you.

MOER Information:

We use moer.maricopa.edu to deliver the course content. There you will find all of your reading assignments, video links and coursework. Please go to moer.maricopa.edu and either sign into your existing account or make a new account. Be sure to use a valid email that you check regularly when you set up your account. You will need the course ID and enrollment key listed below in order to complete the enrollment in your course.

Course ID:18311

Enrollment key: 16816

Instructor Information

Instructor:	James Spiker
Email:	James.spiker@scottsdalecc.edu
Office Hours:	Online office hours are on Monday and Wednesday from 8-1030. You will have a google meets link to click on to meet with me available in your moer.maricopa.edu class shell or you can come to CM 409.

Calculator Information

You must have a graphing calculator. A TI-83/84 is highly recommended. You will not be able to use your phone or any other device that can connect to the internet as a calculator on your exams so please get a physical calculator.

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

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.

Prerequisites

A grade of C or better in each of the following: (MAT055, MAT056, and MAT057), OR a grade of C or better in MAT09+ or MAT114 or MAT115, OR an appropriate district placement for MAT120 or MAT121 or MAT122, OR permission of Department/Division Chair.

Course Competencies

1. Define, distinguish, and interpret the relations and functions and their inverses represented verbally, graphically, numerically, or algebraically.

2. Calculate and interpret the average rate of change in varied contexts, using function notation including the difference quotient.

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.

Text and Course Materials

You have access to an online textbook via moer.maricopa.edu

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)
- Note that Canvas is not utilized in this course other than to provide access to college resources and information

Synchronous Communication Tools

Office hours can be virtual via google meets or in my office in CM 409.

Student Assignment Tools

This course requires students to participate in or submit assignments using desktop and/or cloud-based applications.

- Adobe PDF and/or Microsoft Word or Google Docs

Streaming Media/Audio/Video Tools

This course delivers video lectures through YouTube.

Exam Proctoring Tool

There are no exam proctoring tools as we will be meeting face to face for your exams. However, if the need arises and we have to start meeting virtually only then we will proctor the exams on the scheduled dates via google meets.

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.

General Conduct

Students are expected to conduct themselves in a responsible, mature, and academically honest manner. Be honest in everything you do. Do not present someone else's work as your own including work that you find on other Internet sites. Any student caught violating these policies on an assignment/exam will receive a grade of zero for that assignment/exam and will be subject to disciplinary action, including possible class withdrawal, in accordance with SCC policies.

Class Drop

If you realize right away that this class is not for you, you will need to drop the class as soon as possible in order to receive a full refund. Check the Academic Catalog (https://www.scottsdalecc.edu/catalog) for these important dates. You are responsible for dropping within the appropriate window to obtain a refund if you decide that is what you want to do.

Your instructor may drop you from the class for failing to complete required orientation assignments on time. Create your MOER account and check your MOER course calendar for details related to orientation assignments for this class.

Class Withdrawal

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 the midterm exam you will be withdrawn. If you fall more than 1 week behind schedule you may be withdrawn by your instructor. Please keep contact with your instructor to avoid this!

Students can request to withdraw from this class (with a grade of W) at any time prior to taking the Final. 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.

Grading Standards & Practices

Grade Scale

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

Assignments

Assignment Name	Percent of Grade
Video Lesson Online Homework and Exam Reviews	Total of 15%
Online Tests	Total of 20%
Midterm Exam	Total of 30%
Final Exam	Total of 35%
Total	**100%**

EXPECTATIONS FOR TIME SPENT OUTSIDE OF CLASS

This is an 8-week, 4-credit-hour class. Thus, students should expect to spend a minimum of fifteen hours each week working on the required online assignments that are part of this course. You have an assignment due almost every day for the 8 weeks. You must dedicate at least 15 hours per week to maintain the pace of the class.

Unit Structure

The topics for this course have been divided into Units which are due on the dates indicated on the Course Schedule. Give yourself plenty of time to work through the problems, take good notes, and get help as needed.

Below are the three steps to complete each Unit.

Step 1: MEDIA LESSON

- •The Online Media Lesson serves both as an introduction to the topic and as a resource for how you should aspire to write your solutions and express your mathematical work.

- •Take careful notes as you watch the videos in this assignment. Any notes you take are for your own use (you will not turn in the Media Lesson pages). The more thorough your notes are, the more helpful they will be to you!

- •You will have three tries for each problem in the Media Lesson. After the third attempt, you can generate a new problem for full credit.

- **•All problems in the Media Lesson must be completed correctly in order to begin the Online Homework.** The link to the Online Homework will not appear until the Media Lesson has been completed with a score of 80%.

Step 2: ONLINE HOMEWORK

- •After completing the Media Lesson, you can start the Online Homework. The link to the Online Homework will not appear until you have the required 100% Media Lesson score.

- •You will have three tries for each problem. After the third attempt, you can generate a new problem for full credit. Refer to your notes from the Media Lesson as needed. Work problem by problem to achieve a score of 100%. Additional video tutorials are provided in the unit folder.

- •WRITE DOWN your work as you go through the online homework assignment. Keep this work neat and in order, and include notes to yourself on difficult problems. These notes, along with your notes from the Media Lesson, will be very helpful as you work through the online Test and prepare for exams.

- **You must achieve a score of 80% or higher on the online homework in order to open the Online Test and begin the next unit.**

Step 3: ONLINE TEST

- The link to the Online Test will not appear until you have the required 80% Homework score.
- The Online Test will consist of questions similar to those in the Online Homework and Media Lesson

- You may use your calculator and notes on the online tests, but ***no other assistance is permitted***.

- You will have **only two attempts** for each problem in the Online Test, so be sure to enter your answers very carefully!

- Online Tests are due on (or before) the dates indicated on the Course Schedule. Give yourself plenty of time to complete assignments and get help as needed before the due date. **Do not wait until the last minute!!!**

NOTES:
- The *MOER Warmup* assignment must be completed with a score of 100% before you can start on Unit 1.

- Students who do not complete the *Unit 1 Online Test* by the due date (Sep 11 11:59pm) may be dropped from the class. This policy protects your refund for the course.

- The homework for each Unit must be completed with a score of 80% before you can start on the next Unit.

- You can work ahead, but do not fall behind! If you fall more than one unit behind the course schedule*, you may be withdrawn from the class.*

Midterm and Final

The midterm and final are scheduled as listed on the first page. If you can not make those times and dates you must contact me immediately. I will place your exam in the testing center here on campus and you can schedule the exam at a time more convenient for you. Note you may not take the exam after the due date. You may take the exam at an earlier date and time.

Late Passes. In moer .maricopa.edu you have a calendar with due dates for your online work. You have late passes that are available for you to adjust the schedule to your time commitments however you should note that if you fall more than 1 week behind schedule you may be withdrawn from the course. Also, the midterm and the final exam dates are fixed and you must attend those class dates. These dates and times may not be changed.

Response Time

Students can expect a response time of 24 hours or less for the instructor to respond to messages sent via the MOER System or email (M – F). Students can expect written assignments to be graded within 48 hours of the assignment's due date (also M – F).

Attendance Policy

Attendance is mandatory for this course both online and face to face. However, please be sure to communicate with me if you are feeling sick in any way. We do not want you on campus if you are feeling ill.

Instructional Contact Hours (Seat Time)

This is a four (4) credit-hour course. Due to the accelerated nature of this course, plan to spend ***at least*** 12-15 hours per week on homework and course materials.

Online Tutoring

SCC's Math Center tutors are available online and utilize Google Meet to help with your courses. Visit the Math Center https://www.scottsdalecc.edu/students/tutoring/math for detailed information. Please use your time effectively and be prepared with your questions before you connect with a tutor.

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.

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 via email or an announcement in moer