SCOTTSDALE COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE

Course Information

Semester & Year:	Fall 2024
Course Title:	College Algebra/Functions
Course Prefix & Number:	MAT 151
Section Number:	12512
Credit Hours:	4
Start Date:	October 22, 2024
End Date:	December 12, 2024
Room Number:	CM 467
Meeting Days:	Tuesday and Thursday
Meeting Times:	12:30 PM to 1:40 PM

Course Format

The course format for this course is Hybrid, Tuesday, October 22, 2024 to Friday, December 13, 2024. Class meets in-person on campus on the designated days and times. Additional work will be required online.
This course requires in-person exam proctoring. Students should have access to a computer or device with iOS10 or higher, internet access, microphone and a webcam. Proctoring fees may be required. A graphing calculator is required for this course. A TI-83 or TI-84 is strongly recommended. Calculators with a CAS (Computer Algebra System) are not allowed. All textbook and course materials available at no or low cost (<$40) - may include OER (Open Educational Resources).

Instructor Information

Instructor:	Atom Uda
Email:	atom.uda@scottsdalecc.edu

Phone: (480) 423-6581 (SCC Math Front Office)

Calculator Information

A TI-83 or TI-84 graphing calculator is **required** for this class. Calculators with QWERTY keyboards or those which do symbolic algebra (such as TI92s or TI89s) **may not** be used for this class.

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

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. 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.

Texts and Course Materials

Textbook

The Textbook is located online through a link that you will find in our learning management system, MOER. There is a folder that contains the entire textbook and the chapter folders are divided into sections and include the required textbook.

Learning 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 and Quizzes 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/

The following Course ID and enrollment key are required to enroll in the course

Course ID: 19359

Enrollment Key: 12512

Calculator: A graphing calculator is required for this class. The TI-83 or TI-84 graphing calculator highly recommended. You may use the approved calculator on all exams. You may not use your cell phone or ipod/ipad or any other electronic device as a calculator during exams. Your calculator is an incredible tool for learning! Buy it early and learn how to use this tool for your success!

Computer: You will need regular access to a computer (with Internet access) in order to complete the online assignments that are part of this course. The computer should have a webcam, speakers, and microphone.

Email: Your Maricopa Email address is part of your account automatically as an SCC student. You will receive information to attend the live online sessions to your Maricopa Email address. You can forward your Maricopa Gmail to another account, as you prefer.

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)

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.

Structure of the Course, Requirements, and Grading Procedure. The following explains the Structure of the Course, the requirements, and Grading Procedure.

- There are 5 Chapters you are required to complete. Each Section of the Chapter includes a) Video Assignment, b) Online Homework, and c) Lesson Test.
- There are Five (5) Review assignments to help you prepare for the Exams.
- The Midterm Exam and the Final Exam are the 2 exams to complete and must be taken by the dates indicated in the course calendar in MOER.
- Students completing work between Thursday, November 28, 2024 and Friday, December 13, 2024 will receive a letter grade. The last day to receive a withdrawal is stated below in the course withdrawal policy.

Withdrawal. The following is the course withdrawal policy.

- Failure to complete the Orientation Assignment in MOER by 11:59 PM Tuesday, October 22, 2024, may result in being dropped from the course.
- The last day to receive a withdrawal with grade “W” for this class is Wednesday, November 27, 2024.
- Students that do not complete the Final Exam may not earn a passing grade of A, B, or C. Students that attempt the Final Exam will earn a letter of A, B, C, D, or F.
- Students who fall behind schedule by more than one week may be withdrawn. If you find that you need to withdraw from the course, please speak to me first. I may be able to recommend other options or discuss alternative courses of action concerning future classes.

Syllabus changes. The instructor reserves the right to make changes to the syllabus. A message will be sent using MOER messages, Canvas messages, and email communication to address the change to the syllabus.

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	Number of Assignments	Percent of Grade
Online Assignments (Orientation Assignments, Video Assignments, Homework, Chapter Reviews, and Exam Reviews)	55	40%
Midterm Exam	1	30%
Final Exam	1	30%
TOTAL:	57	**100%**

Please note the instructions provided for each category description

Online Assignments (40%): The online assignments include the Orientation Assignment, Video Assignments, Homework, Chapter Reviews, and Exam Reviews.

Video Assignments: Unlimited attempts to complete video assignments in MOER.

Online Homework: Unlimited attempts to complete homework online in MOER

Chapter Reviews and Exam Reviews: Complete online in MOER to prepare for the exams. The three Chapter Review assignments are (a) Chapter 3 and 4 Review, (b) Chapter 5 Review, and (c) Chapter 6 Review. The exam reviews are the Midterm Exam Review and the Final Exam Review. A new problem can be generated after three attempts.

Midterm Exam (30%): The Midterm Exam is **Tuesday, November 19, 2024,** Midterm Exam**,** Chapter 3, 4, 5.1a, 5.1b, 5.1c, and 7.

Final Exam (30%): Thursday, December 12, 2024, Final Exam, Comprehensive Exam, Chapter 3, 4, 5, 6, and 7.

Note: The Midterm Exam may be completed be completed in the Testing Center starting Tuesday, November 19, 2024 through Wednesday, November 27, 2024. You would still be responsible for completing the assignments that are due during this time.

Response Time

Students can expect a response time of 24 hours for the instructor to respond to messages sent via MOER, the Canvas Learning Management System, or Scottsdale Community College email. The exception is for messages/emails sent after 8PM Saturday (Arizona Time) where the instructor will respond to the messages/emails the following Monday. Students can expect assignments to be graded within 7 days of the assignment's due date.

Attendance Policy

Attendance involves consistent and regular progress on the course assignments. Failure to complete work for one week may result in being withdrawn from the course.

Instructional Contact Hours (Seat Time)

This is an 8-week, four (4) credit-hour online course. Based on the Federal Credit Hour Definition, students should expect to spend at least 23 hours each week completing the assignments and reviewing course material to keep up with the work.

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.

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.

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.