SCOTTSDALE COMMUNITY COLLEGE
A MARICOPA COMMUNITY COLLEGE

Course Information

- Semester and Year: Spring 2026
- Course Title: College Algebra
- Course Prefix and Number: MAT151
- Section Number: 22938
- Credit Hours: 4
- Start Date: Jan 20
- End Date: May 15
- Class Format: In-Person T/R 12:00-1:40pm, CM 467

Instructor Information

- Instructor: Jennifer Boney
- Email: jennifer.boney@scottsdalecc.edu
- Phone: none
- Office Location: none
- Office Hours: by appointment in CM building or online via Google Meet

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 and/or Corequisites

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 Notes:

MAT151 students may receive credit for only one of the following: MAT150, OR MAT151, OR MAT152, OR MAT155, OR MAT156.

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.

General Education & Institutional Learning Outcomes

General Education provides foundational learning experiences that contribute to academic and career success. It is reflected in Scottsdale Community College's Institutional Learning Outcomes: Arts & Humanities Awareness, Career Readiness, Critical Thinking and Problem Solving, Effective Communication, Information Literacy, and Social Responsibility. Students who take MAT 151 will learn properties a variety of common function types, how to evaluate these functions and construct functions to approximate data that follow the patterns of these classes of functions.

Program Learning Outcomes

Credit-bearing courses at Scottsdale Community College can count toward the completion of a degree or certificate program. Each program has Program Learning Outcomes, which are learned assets that students can claim to have acquired by completing their academic or occupational program at SCC. Program Learning Outcomes can be found on the Degrees and Certificates page of the SCC Website. For each degree, look under "What You'll Learn."

This course is a General Education course that is foundational to many degree programs and a key component of the Arizona General Education Curriculum (AGEC) certificate program. This course fulfills an **MA** requirement for the AGEC.

Texts and Course Materials

NOTE: Canvas will not be used for this class.

Text: Note: Buying/Printing the textbook is not required.

College Algebra, Scottsdale Community College Edition, Jay Abramson

ISBN: 978634348478

Download for free: OpenStax College Algebra Textbook

SCC RESOURCES RELATED TO THIS CLASS

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 Tutoring & Learning Centers page for detailed information on the five learning centers' hours and procedures.

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. To access Brainfuse and begin working with a tutor, visit the SCC Online Tutoring Services Through Brainfuse page.

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.

Withdrawal Policy: The last date for a guaranteed W grade in this course can be found at: https://www.scottsdalecc.edu/academics/dates-deadlines

Grade of Incomplete: The grade of I is exceptional and given only to students whose coursework has been satisfactory, who have completed at least the first 12 of 14 lessons, but who will be unable to complete the end of the course because of illness or other circumstances beyond their control. The student must request an I before the end of the semester. If the request is approved, the faculty member will determine a deadline for which work must be completed, and the grade the student will receive if the work is not completed on time.

This is not a self-paced class. You have assignments and frequent due dates and must make regular and consistent progress on course work and assignments. Please note that I will not give you an F if you merely stop participating. If you meet or exceed the limits listed below, then you may be withdrawn from the class and not receive a letter grade (A–F).

- Students who have not created their MOER account and completed the syllabus quiz assignment by the end of the first day of class (11:59 pm) may be dropped from the class.
- Students who do not complete the Unit 1 Online Test by the due date may be dropped from the class.
- Students who do not log in to MOER and make progress on the assignments for a 7-day period may be withdrawn from the class.
- Cheating on any assignment may result in withdrawal from the course.

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 College Catalog for these important dates. You are responsible for dropping within the window to obtain a refund if you decide that is what you want to do.

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.
- Any student caught cheating on an assignment/exam will receive a grade of zero for that assignment/exam and is subject to disciplinary action in accordance with SCC policies. This may include withdrawal from the class.

Computer Access and Email

- You will need regular access to a computer (with Internet access) in order to complete the online assignments that are part of this course.
- You are responsible for completing all assignments on time regardless of any computer or internet issues that may occur.
- You will need a working email address that you CHECK REGULARLY. I do send regular class announcements and information via the email you use to create your MOER account. It is your responsibility to provide a valid email address that you keep up with so that you can receive notifications of class announcements.
- Response Time: Students can expect a response time of 24 hours for the instructor to respond to messages sent via email or MOER.

Attendance Policy

If you go 7 consecutive days without participating in this course, I am required by law to withdraw you. Since this course meets in-person, the following is a list of activities that constitute "academic

attendance" and "attendance at an academically-related activity" for purposes of determining the last day of attendance according to 34CFR668.22(l)(7)(i):

(1) Physically attending a class where there is an opportunity for direct interaction between the instructor and students;

(2) Submitting an academic assignment;

(3) Taking an exam, an interactive tutorial, or computer-assisted instruction;

Late Passes

If you miss an assignment deadline, you can apply a Late Pass to complete the assignment for full credit. Each Late Pass will extend the due date by one day. Multiple late passes can be applied if more time is needed. (200 Late Passes are available during the semester)

There is no penalty for problems/assignments completed while using a late pass. Late Passes may not be used after the end date of the course. Completion of assignments using Late Passes does not negate days of inactivity corresponding to the original due dates.

Instructional Contact Hours and Minimum Course Expectations

This is a 4 credit-hour course in 16 weeks. According to the Federal Credit Hour Definition, students should expect to spend a minimum of 12 hours each week between time in class and time spent working on the required online assignments that are part of this course.

Instructional Contact Hours and Minimum Course Expectations

Instructional contact hours are the weekly time students spend directly learning with their instructor or course activities. These activities include, but are not limited to, lectures, discussions, labs, group work, and viewing recordings. Instructional contact hours vary by course; refer to the MCCCD course bank for your course's details.

Minimum course expectations include the number of hours students are expected to spend outside of class (weekly) completing coursework. Students are encouraged to use the Time Management Calculator to help estimate their weekly time commitment for classes.

Course Technologies

View the Accessibility Statements & Privacy Policies of the technologies used in this course. The SCC Help Desk provides students with a primary point of contact within SCC for college-supported technology services and technical assistance.

Maricopa Systems

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

Synchronous Communication Tools

- Google Meet

Student Assignment Tools

- This course requires students to participate in or submit assignments using desktop or cloud-based applications.
- TI-83 or TI-84 Graphing Calculator - A Graphing calculator is required for this course. Videos in the course that use a calculator always use a TI-83 or TI-84 calculator, so these models are highly recommended.
- Textbook - Links to download/print/view are available in the course.

Technical Requirements

- An email address that you check regularly (use this when you set up your MOER account)
- Reliable, high-speed Internet connection
- Webcam (internal or external) and microphone (only if the student needs to meet with the instructor)
- Headphones or working speakers connected to the computer (only if the student needs to meet with the instructor)

Exam Proctoring and Tools

- Two proctored exams will be given in person during scheduled class meeting times. Dates will be posted in MOER.
- Bring your calculator, pen/pencils, erasers, and photo ID with you when you come to take these Exams.
- You may use your graphing calculator but NO NOTES on these exams.

- Calculators that perform symbolic manipulation will not be permitted during any exam: examples of excluded calculators include the TI-89, TI-92, TI-Inspire CAS, HP-48, HP-48G, and Casio 9970.
- Your cell phone or computer may not be used as a calculator during an exam.
- **Make-up Policy**: To take an exam late, a student must have extenuating emergency circumstances and must contact me before the start of the exam.

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 Gemini, Microsoft Copilot, Stable Diffusion, GrammarlyGo, and Adobe Firefly.

No Generative Artificial Intelligence (AI) Allowed

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.

Grading Standards and Practices

Grade Scale

Letter Grade	Points Range
A	91 – 100%
B	81– 90.99%
C	71 – 80.99%
D	60 – 70.99%
F	0 – 59.99%

Assignments

Assignment Name	Percent of Grade
Online Assignments (Orientation Quiz, Video Lessons, Homework, Review Assignments)	20%
Online Tests	20%
Midterm Exam and Final Exam	60%

Final grades are calculated using the scale above. FINAL GRADES ARE NON-NEGOTIABLE. It is unethical to reach out at the end of the semester and request "a few extra points" or discuss the consequences of not earning the grade you want in the class. Messages of this nature will not receive a response.

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 during office hour appointments as stated in the syllabus.
- Sharing weekly information about the course materials, including key information, explanations, examples, and resources via in-person, recorded, and/or text-based lectures.
- Providing group or individual feedback regularly on assignments.
- Promptly responding to student questions about the course sent via email, MOER messaging, or the Canvas inbox.
- Regularly posting announcements about the course content and activities.
- Monitor your academic progress and communicate concerns, as needed.

Response Time

Students can expect a response time of 24 hours (usually much less) for the instructor to respond to messages sent via the MOER messaging system. Students can expect assignments to be graded within one week of the assignment's due date. If an assignment is not graded withing a week, send a message to the instructor and it will be graded within 24 hours of sending that message. This only applies during the dates when the course is active. Please note the end date of the course where the course ends and final grades are not negotiable.

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 Tutoring & Learning Centers page for detailed information on the five learning centers' hours and procedures.

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. To access Brainfuse and begin working with a tutor, visit the SCC Online Tutoring Services Through Brainfuse page.

MCCCD Policies

MCCCD is committed to providing a safe, fair, and accessible environment for all students. This includes laws such as the ADA and Title IX, which protect against discrimination. These statements explain your rights, available support, and where to go for help or more information. Please review the following policies:

Classroom Accommodations for Students with Disabilities

Addressing Incidents of Title IX Sexual Harassment

Land Acknowledgment

SCC acknowledges the land on which we are situated today as the traditional land and home of two distinct tribal nations: the Onk Akimel O'odham (Pima) and the Xalychidom Piipaash (Maricopa) people. We take this opportunity to thank the original caretakers of this land. We offer our respect to their Elders and to all O'odham and Piipaash people of the past, present and future.

The information contained in this syllabus is subject to change at any time during the semester by the instructor. Any changes will be announced through the email you use to create your MOER account.

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.