Scottsdale Community College (SCC) credits the diverse Indigenous people still connected to the land on which we gather. Our college resides on the tribal territory of the Salt River Pima-Maricopa Indian Community (SRP-MIC). SRP-MIC is a federally recognized nation - one of 22 Arizona Indigenous nations and one of 574 across the United States. Attached to this physical space is a painful history of forced removal and the resulting intentional genocide of its Indigenous people. We remain appreciative of our ability to teach, learn and serve in a space of such importance and reverence.

SCC acknowledges the land on which we are situated today as the traditional land and home, established by Executive Order on June 14, 1879, 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.

Course Information

Semester & Year:	Fall 2023
Course Title:	College Algebra
Course Prefix & Number:	MAT 151
Section Number:	21790
Credit Hours:	4
Start Date:	August 21st, 2023
End Date:	December 15th, 2023

Note: All times and dates in this syllabus use Mountain Standard Time. Please plan accordingly, especially if traveling.

Course Format

The course format for this course is on your time online. This is a 16-week course. The start date for the course is August 21st, 2023. The end date for the course is December 15th, 2023. Exams in this course must be taken in a proctored setting.

Instructor Information

Instructor:	Gabriel Tarr
Email:	gabriel.tarr@scottsdalecc.edu
Phone:	480-425-6746
Office Location:	CM 419 or Office Hours Zoom Link (during office hours)
Office Hours:	Monday and Wednesday 10:30 AM – 11:45 AM
	Tuesday and Thursday 3:30 PM – 4:45 PM

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. Calculate and interpret the average rate of change in varied contexts, using function notation including the difference quotient. (I)
2. Define, distinguish, and interpret the relations and functions and their inverses represented verbally, graphically, numerically, or algebraically. (I-VII)
3. Evaluate functions, including composition, and solve function equations and inequalities using multiple methods. (I-VII)
4. Set up, solve, and interpret the meaning of solutions of systems of linear equations using multiple methods, including matrices where appropriate. (VIII)
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. (I-VII)

6. Model real world situations using a variety of mathematical techniques (including regression) and solve real world mathematical problems using functions. (I-VIII)

Texts and Course Materials

Required Texts: College Algebra by Abramson (ISBN-10: 1-947172-12-3). A link to the digital copy of the book can be found here and in MOER. There is no requirement to purchase a physical copy of the book, but you may find it to be beneficial.

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 here at 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.

Course ID: **17630** **Enrollment Key**: **21790**

Calculator Requirement: A graphing calculator or graphing calculator app is required for this course. The instructor strongly recommends a TI-83/84. Calculators with QERTY keyboards or those that perform symbolic algebra (such as the TI-92/TI89) are not allowed. You are expected to bring your calculator to each class session. Your cell phone may NOT be used as a calculator on your exams. The SCC Media Center will rent calculators this semester on a first-come basis. Go to the Media Center located in the Information Technology (IT) Building to rent a graphing calculator. Rentals are first-come, first-served and there are limited quantities.

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 need access to a webcam and a microphone for the optional virtual office hours through Zoom.

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

This course implements the use of web conferencing and/or other synchronous course tools.

- Zoom (for optional office hours)

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.

Withdrawing from the Course: If it becomes necessary to withdraw from the course, you should speak with admissions office and fill out the proper forms there. There is a last day to withdraw without an instructor's signature. It is not guaranteed that you will be able to withdraw from the course after this date.

Math/Science Tutor Center: Free online tutoring is available online at the following link. http://www.scottsdalecc.edu/students/tutoring/math. You will need to know your Maricopa gmail account ID and password, and self-enroll in a Canvas course. Details can be found at the link above.

Email and Contacting the Instructor: It is HIGHLY inappropriate for your family members, guardians, private tutors, former teachers, or any other third-party actors to contact your instructor to discuss anything related to your academic standing in this class. The instructor is more than happy to discuss your academic standing with YOU (the student), but emails, messages, and phone calls from third-party actors on your behalf will not receive a response (except in extreme circumstances as determined by the instructor). In certain cases, these third-party actors may be blocked from contacting the instructor.

Be respectful of your classmates and the instructor. Don't be a jerk!

Grading Standards & Practices

Your grade is NOT a commodity; it has not been purchased with your tuition. You have the right to be graded fairly, but you do NOT have the right to any specific grade. Your grade is not a reflection of you as a person. Your grade is not a measurement of effort, it is an evaluation of PERFORMANCE. This means your grade is dependent upon how well you demonstrate your comprehension of the subject through application and completion of the items listed above in the course competencies. Furthermore, it is immoral to reach out to your instructor about the consequences of not receiving a certain grade in the course. Please do not ask for extra credit or "a few extra points" in order to make a certain grade for scholarships, admittance to a certain program, or athletic eligibility. Emails and messages of this nature will be ignored.

Grade Scale

Letter Grade	Points Range
A	90 – 100%
B	80 – 89.9999%
C	70 – 79.9999%
D	50 – 69.9999%
F	0 – 49.9999%

Grade Distribution

Exams (70% of course grade): There will be two exams in this course. Your exams are meant to test your PERSONAL mathematical aptitude of topics covered prior to each exam in this class, but occasionally you will be required to draw from your PERSONAL aptitude in topics covered in prerequisite courses, your real-life experiences, and common sense.

Make up exams will only be granted under extreme circumstances. You should meet with your instructor AT LEAST TWO WEEKS BEFORE THE SCHEDULED EXAM to discuss arrangements. This discussion must take place BEFORE the scheduled date of the exam. Failure to adhere to this policy may result in a 0 for the exam.

Midterm Exam (35% of course grade): There will be a midterm exam covering the material for sections 3.1 through 5.3. **The midterm must be completed by October 18th, 2023 at 11:59 PM.**

Final Exam (35% of course grade): There will be a final exam covering the material for the entire semester. **The final must be completed by December 13th, 2023 at 11:59 PM.**

Exams in the course must be taken in proctored environments. You have two options for taking exams.

Option 1: You may take exams in-person at SCC in a location to be determined. The in-person proctored midterm exam will take place on October 18th, 2023 from 5:00 PM to 7:00 PM. The in-person proctored final exam will take place on December 13th, 2023 from 5:00 PM to 7:00 PM.

Option 2: You may take exams via ProctorU. Please see the Exam Proctoring Tool at the end of this syllabus.

For the midterm exam, you may sign up for any available two-hour timeslot that starts between 8:00 AM on 10/16/2023 and 9:45 PM on 10/18/2023. Look for **Fall 2023 - MAT 151 – Midterm Exam – Tarr** in ProctorU.

For the final exam, you may sign up for any available two-hour timeslot that starts between 8:00 AM on 12/11/2023 and 9:45 PM on 12/13/2023. Look for **Fall 2023 - MAT 151 – Final Exam – Tarr** in ProctorU.

Assignments (30% of course grade): You will be expected to complete regular video and homework assignments using MOER. It will benefit you to take notes on the video assignments and write out the homework problems (as if the instructor were grading each assignment by hand). Assignments and due dates will be posted in MOER. It is to your benefit to keep up, however, if you miss a due date, you have 255 late passes that you are able to use with no penalty to your homework grade. Each late pass only extends the due date for 24 hours, so that 255 goes quickly if you fall too far behind.

Response Time

Students can expect a response time of up to 24 hours (not including weekends, holidays, or breaks) for the instructor to respond to messages sent via MOER or email. Students can expect assignments to be graded within 8 calendar days of the assignment's due date.

Attendance Policy

Any student with three unexcused absences may be withdrawn from the course. You are responsible for knowing the material covered during any class time missed via

absence or tardiness. If you are sick, please do not come to class. You may watch the videos in MOER covering the content on your own time. If something is confusing to you from these videos or the homework, please meet with the instructor during office hours.

Instructional Contact Hours (Seat Time)

This is a four (4) credit-hour course. The typical students should plan to spend at least 12 hours on course content and other out-of-class activities weekly. Some students may spend much more time per week.

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

If you need tutoring, it is highly recommended that you utilize SCC tutors since they are more familiar with SCC coursework, instructor expectations, and assignments.

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.