

Syllabus

Course Information

- Semester and Year: Fall 2026
- Course Title: College Algebra Prep
- Course Prefix and Number: MAT114
- Section Number: 18475
- Credit Hours: 4
- Start Date: August 25, 2026
- End Date: December 18, 2026
- Room Number: CM467
- Meeting Days: Tuesday and Thursday
- Meeting Times: 12:00 PM - 1:40 PM
- Class Format: In-Person (Paper-Based Exams)

Instructor Information

- Instructor: Omid Ahmadnezhad
- Email: omid.ahmadnezhad@scottsdalecc.edu
- E-mail via Canvas:: This is the *BEST and FASTEST* way to reach me.
- Office Location: CM467
- Office Hours: After class. Outside of office hours, I will be available by appointment only

Course Description

Proper use of function notation, average rate of change of functions, and evaluating arithmetic and algebraic expressions. Analysis of linear and quadratic equations, and their applications; graphs of linear and quadratic functions; operations on polynomial expressions.

Prerequisites and/or Corequisites

- No prerequisites or corequisites required

Course Competencies

1. Perform operations to evaluate expressions that include integers, fractions, decimals, exponents, and radicals, including the order of operations. (I-V)
 2. Evaluate arithmetic and algebraic expressions. (I, II)
 3. Simplify expressions involving integer and rational exponents. (II)
 4. Perform operations on polynomial expressions. (II)
 5. Write polynomials in factored form. (II)
 6. Graph and determine domain, range, and other key characteristics of functions, including linear and quadratic functions. (III, IV, V)
 7. Demonstrate the proper use of function notation. (III, IV, V)
 8. Determine and interpret the average rate of change of linear and quadratic functions. (III, IV)
 9. Solve linear and quadratic equations (including those with complex solutions) using multiple methods and represent solutions exactly and approximately. (IV, V)
 10. Solve linear inequalities in one variable and represent solutions graphically, algebraically, and in interval notation. (IV)
 11. Model, analyze and interpret real-world problems using linear and quadratic functions. (IV, V)
 12. Given sufficient information or data, write a linear equation. (IV)
 13. Solve systems of linear equations in two variables. (IV)
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General Education & Institutional Learning Outcomes

General Education provides foundational experiences that support academic and career success and are reflected in Scottsdale Community College's Institutional Learning Outcomes. Students who take MAT 114 will strengthen their critical-thinking and problem-solving skills by applying algebraic concepts and mathematical reasoning to real-world situations. Students will also develop effective communication and information literacy by interpreting mathematical information, explaining their reasoning, evaluating solutions, and using technology. These skills promote career readiness and informed decision-making in personal and community settings.

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 foundational to degree programs and a component of the Arizona General Education Curriculum (AGEC). MAT 114 fulfills an AGEC mathematics requirement for Liberal Arts majors. This course most directly applies to the Associate in Arts, Emphasis in Mathematics program. Program Learning Outcomes include: demonstrate

knowledge of algebra and proportional relationships; connect mathematical ideas; use patterns to make predictions; present information graphically, numerically, symbolically, and verbally; apply and justify problem-solving strategies; use technology; evaluate information; and communicate mathematical reasoning with terminology and notation.

Texts and Course Materials

This course will be managed through MOER. In each Unit, you'll find lessons to Video Assignments that go with the workbook. The workbook includes Media Lessons, which are especially helpful when working on in-class activities and online homework.

- **Lecture Note PowerPoint Slides:** These slides, which will be presented in class, enable students to complete the Workbook Media Lessons, define and review the most important course section concepts, and provide examples of problems solved in each session.
- **Foundations for College Algebra Student Workbook by Jenifer Bohart:** The workbook is a set of Media Lessons that we'll be going through, and you will be able to fill in during the class sessions.
- **Calculator:** A graphing calculator is required for this class. I recommend that you purchase a TI-84 since I will be using this calculator model during class demonstrations. The Media Center will also rent calculators this semester. Calculators such as TI-89, TI-92, HP-48, HP-48G, and Casio 9970 that perform symbolic manipulations will not be permitted. Also, you may not use any cell phones, iPads, or other devices for the Exams.
- **Desmos:** I will use the Desmos online application during class demonstrations. The link is <https://www.desmos.com>. You can also download Desmos to your cell phone or iPad and use it during class. However, cell phones cannot be used during Exams.

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.

Attendance: Students who do not attend the first day of class or students who do not log in to MOER within the first three days of class will be dropped by the instructor. Students who have not paid their tuition will be dropped by the college. You may contact the instructor, and, **based on seat availability at the time of your request, you may be reenrolled at the instructor's discretion.** Attendance is essential to achieving course objectives, and instruction begins on the first day of class. You are expected to attend all classes. Absent students will not receive activity and participation points. More than three unexcused absences in this course will result in your withdrawal from the class. Students arriving in class more than five minutes after the

start or departing more than five minutes early are tardy. Three days of tardiness equals one unexcused absence.

Excused Absences: "Excused" or official absences, according to [MCCCD Attendance AR 2.3.2](#), include only those due to college sanctioned events, jury duty and subpoenas, military commitments, death of an immediate family member, or religious observances. Each of these official absences will require verification, such as the jury summons or funeral program. Prior arrangements must be made for all official absences except an absence for the death of an immediate family member.

Withdrawals: A withdrawal (W) may affect your scholarship/financial aid, and prior to withdrawing, you are encouraged to first meet with a Financial Aid Advisor in the Enrollment Center.

In a 16-week class, students may withdraw without instructor permission through the end of the seventh week. Students can request permission from the instructor to be withdrawn from the course up to two weeks before the last class period. These official dates and deadlines are posted on the [SCC Dates and Deadlines](#) website. If a student withdraws or is withdrawn from the course, the instructor is required by law to report the last day of attendance (LDA). This date is based on submitted coursework and/or communication with the instructor about the class.

Please refer to [SCC Dates and Deadlines](#) for important dates and deadlines regarding course withdrawal. The **instructors will not be able to withdraw** any students after the **30th of November 2026** in a 16-week course format. You can also find other important dates on the [MCCCD 2026-2027 Academic Calendar](#).

Exams: You must take exams during their scheduled time. You will receive **zero** points for correct answers on an exam **if no work is shown**, unless otherwise specified by the instructor. You may use a permitted calculator to check your answers on many problems. Students may not leave the classroom once the exam has started until they have submitted their paper.

To pass this course, you must have a minimum overall average of 70% in the course.

Make-Up Exams: In *rare circumstances and at the discretion of the instructor*, if a student needs to make up an exam, the grade will be **capped at 70%** regardless of if they score higher. Make-up exams will not be given during class time. Each chapter exam will have **only one** scheduled make-up time. Students are in charge of clearing their calendars for make-up exams; those who miss the make-up exam for any reason may not retake it.

Homework: Homework must be finished and turned in on or before the assigned due date. You will receive **zero points for the entire written homework assignment if you fail to show all of the steps for each answer** unless otherwise specified by the instructor. For best results in this course, you will want to create a routine study schedule and stay on top of your coursework. You must keep up with homework even if you miss class.

Late Work: Written Assignments and group homework will not be accepted late and must be completed and turned in on or before the assigned due date. **Online Homework** may be submitted late during the semester with a 10% penalty.

Late Passes: Each student has 8 late passes for online homework assignments. **Please note** that **each** late pass provides only a 96-hour extension beyond the original due date.

Activities and Participation: In addition to attending class, you are expected to participate in any course activities planned for the class session.

Academic Dishonesty: If you are caught cheating, you will be awarded zero points for the assignment or exam. If you are caught cheating a second time, you will receive an F for the course. Academic consequences are determined by the faculty and academic administration as outlined in the [MCCCD Student Conduct Code AR 2.5.2](#).

Classroom and Syllabus: You are responsible for asking questions and knowing the status of your grade. Class content may vary and/or be amended at any time at the discretion of the instructor. This syllabus may also be revised, and you are responsible for any Syllabus changes, even if you were not present the day they were announced. Unauthorized duplication or distribution of course materials is forbidden and may be a breach of copyright law.

Electronic Devices & Cell Phones: Please turn off and put away *all* unapproved electronic communication equipment prior to entering the classroom.

Recording in the Classroom or Online: For privacy, recording or taping of the class, both in-person and online, is not permitted unless prior written consent is granted. This includes taking pictures of or recording peers without their permission. Classroom activities that are recorded by the instructor for the educational use of enrolled students may not be further copied, distributed, shared, replicated, or published in whole or in part.

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. This is a four (4) credit-hour course. Plan to spend at least four hours per week on course content or seat time (direct instruction) and eight hours per week outside of class on course content and assignments.

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

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

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

Table 1 Course Grading Scale

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

Assignments

Table 2 List of Assignments

Assignment Name	Percent of Grade
Online Assignments	25%
Exam 1	20%
Exam 2	20%
Exam 3	20%
Quizzes	10%
Participations and Activities	5%
TOTAL:	100%

Student/Instructor Interaction

Response Time: Students can expect a response time of **24-48 hours** for the instructor to respond to messages sent via the Canvas Learning Management System or @maricopa.edu email. Students can expect assignments to be graded within **one week** of the assignment's due date.

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

In accordance with the Americans with Disabilities Act (ADA), the Maricopa County Community College District (MCCCD) and its associated colleges are committed to providing equitable access to learning opportunities to students with documented disabilities (e.g. physical, sensory, neurological, chronic illness, mental health, learning disabilities, or other health concerns). If you require accommodations for this course, please contact [Disability Resources and Services](#) (DRS) at your college.

Contact with [DRS](#) should be made as soon as possible to ensure academic needs are met in a reasonable time. Additional information can be found in the [Non-Discrimination Statement](#) and [MCCCD Non-Discrimination Policies](#).

[Addressing Incidents of Title IX Sexual Harassment](#)

Students are responsible for the information contained in this syllabus, the Syllabus page in the Canvas course, and the College Policies & Student Services page located under SCC Student Resources in the Canvas course navigation menu. The instructor will notify students of any changes to course requirements or policies.