

# MAT151 College Algebra      Spring 2023 Syllabus

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**Office Hours:** Tuesdays 12:30 pm – 1:30 pm, In-Person: Room CM 431

Thursdays and Fridays 10am – Noon, Virtual (ZOOM link posted in MOER).

| Course | Section | Format/Meeting Days/Time                | Start Date | End Date | Credit Hours |
|--------|---------|---|------------|----------|--------------|
| MAT151 | 25664   | Hybrid<br>Meets Tuesdays 10am – 12:30pm | March 21   | May 12   | 4            |

**Canvas will not be used for this class.**

*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.*

## Required Items

### MOER Account

MOER is a *free* online assessment tool that we will use for all online work and assignments for this class. URL for MOER: <https://moer.maricopa.edu>

### 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 either is highly recommended.

### Technology

MOER Account (FREE)

This course uses MOER, an Online Course Management System developed by David Lippman and the State of Washington. All of the Online Homework and Media Lessons 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/>

## 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.

**Requisites:** 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 Objectives

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.

## SCC RESOURCES RELATED TO THIS CLASS

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

College Algebra, Scottsdale Community College Edition, Jay Abramson  
Textbook Content, copyright 2017 Rice University  
Cover design copyright 2019 by Premium Source Publishing  
ISBN: 978634348478

Download for free: [OpenStax College Algebra Textbook](#)

SCC Math Center: Remote tutoring is available for free through the SCC Math Center. Instructions and hours are on the [SCC Math Center website](#).

Online Tutoring through BRAINFUSE: Online and hybrid students now have access to 24/7 online tutoring via Brainfuse. You may utilize up to 6 hours of online tutoring per semester for free. To access Brainfuse, go to <https://www.scottsdalecc.edu/students/tutoring/online-tutoring>

Academic & Student Support Services: A variety of student services can be accessed online. Services are free of charge to all registered SCC students. Refer to the [SCC College Resources Student Home Page](#).

Accommodations: Scottsdale Community College provides equal opportunity to qualified students. If you have a documented disability (medical, physical, learning, psychological, etc.) and wish to request disability-related accommodations to complete course requirements, contact Disability Resources & Services ([480-423-6517](tel:480-423-6517)). Course requirements cannot be waived, but reasonable accommodations may be provided based on disability documentation and course objectives.

## 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.

**Homework and Lessons:** Online Lessons, Homework, and Tests will be assigned each class week. The homework is designed to take several days to complete.

### Proctored Exams

- Two Proctored Exams (a midterm exam and a final exam) will be given during the semester.
- **The exams will be given on campus.** Students that cannot take it on campus must contact the instructor to make alternative arrangements such as taking it online using ProctorU.
- If a student chooses to take an exam online using ProctorU, they understand that ProctorU requires a room scan where the student shows their testing surroundings using a webcam. If this is not acceptable to the student, then other arrangements besides ProctorU must be made. To take an exam using ProctorU online, it is the student's responsibility to verify that their device meets the technical requirements for using ProctorU. There can be no exceptions to this. Exams scheduled with ProctorU at least 72 hours in advance will not require payment, but a fee will be charged for any exams scheduled less than 72 hours prior to testing.
- You may use your graphing calculator on these exams, but **no other assistance is permitted.**
- Calculators with Computer Algebra System (CAS) features will not be allowed during any exam.
- Students who do not make other arrangements in advance and do not take an exam at the scheduled time will earn a withdrawal from the course. All exams must be completed in order to earn a grade (A, B, C, D, or F) for this course.

More information for students that have to take exams online using **ProctorU**.

ProctorU allows test-takers to take a supervised exam on demand or by appointment. SCC has adopted ProctorU to provide proctoring services for our online courses. Some of the exams in this course are proctored, meaning you are supervised through a webcam and screen sharing technology when you take your exam. You may test your computer and webcam at the [ProctorU Testing Your Equipment](#) page. For your reference, read the [System Requirements for ProctorU](#) and [ProctorU Terms of Service](#). ProctorU is a fee-based service with the following [ProctorU Pricing Plan](#). For Spring and Summer 2021, the College is paying ProctorU exam fees for students.

NOTE: The College will only pay ProctorU fees for exam appointments made AT LEAST 72 hours (3 full days) prior to the scheduled exam. For example, if you have an exam on a Friday, you need to schedule your exam appointment by Tuesday at the latest. ProctorU will allow you to schedule exams within 72 hours of your exam, but you will be charged an additional fee, which is NOT covered by the College. You can find additional details about these fees [here](#).

**Make-up Policy:** To take an exam late, a student must have extenuating circumstances and must contact me by the day of the exam! I count all missed exams as a 0%. It would then be very unlikely for the student to pass.

### Grading Standards & Practices

| Assignments  | Percentage of Course Grade |
|--|----------------------------|
| Syllabus Quiz<br>Video Lessons<br>Homework<br>Review Assignments | 15%                        |
| Online Tests   | 20%                        |
| Midterm Exam   | 35%                        |
| Final Exam   | 30%                        |

| Grading Criteria |                 |
|------------------|-----------------|
| 91% - 100%       | A               |
| 81% - 90.99%     | B               |
| 71% - 80.99%     | C               |
| 61% - 70.99%     | D (not passing) |
| 0% - 60.99%      | F (not passing) |

**Note:** Whether a student receives an F or a W depends on the communication with the instructor as to the student's individual situation.

**Grade of Incomplete:** The grade of I is exceptional and given only to students whose completed coursework has been qualitatively satisfactory but who have been unable to complete all course requirements because of illness or other circumstances beyond their control. The grade of I may be considered only for students who have completed at least 85 percent of the total coursework requirements with a grade of C or better. The student must request an I before the end of the semester. The faculty member retains the right to make the final decision on granting a student's request for an I, even though the student may meet the eligibility requirements for this grade. 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.

**Withdrawal Policies:** Students can withdraw from this class at any time prior to the Final Exam. If you find that you need to withdraw from the course, please speak to me about it first. I may be able to recommend other options or discuss alternative courses of action concerning future classes.

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 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.
- Students who do not make other arrangements in advance and do not take an exam at the scheduled time may earn a withdrawal from the course.

### **Response Time**

Students can expect a response time of 24 hours for the instructor to respond to messages sent via the messaging system in MOER. The instructor may not respond during weekends. Students can expect assignments to be graded within 48 hours of the assignment's due date.

## Attendance Policy

**If you go 7 consecutive days without attending this course, I am required by law to withdraw you.** Since this course is online, the following is a list of activities that constitute online class” 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;
- (4) Attending a study group that is assigned by the institution;
- (5) Participating in an online discussion about academic matters; and
- (6) Initiating contact with a faculty member to ask a question about the academic subject studied in the course

## Instructional Contact Hours (Seat Time)

This is a 4 credit-hour course in 8 weeks. According to the Federal Credit Hour Definition, students should expect to spend a minimum of 23 hours each week working on the required online assignments that are part of this course.

## Technology Statement(s)

### Third-Party Learning Tools

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, submit work and/or download information from these tools. Inherent with all internet-based tools,

there is risk that individuals assume when electing to use the products and services made available by these tools, as they may place information at risk of disclosure.

In this course, we will use MOER to complete or participate in assignments, activities and/or access course materials. [Accessibility Statements and Privacy Policies](#) for all tools used at SCC are available.

To use the third-party tools responsibly, please observe all laws and the Maricopa Community College District [Student Conduct Code](#). Some specific aspects of law and conduct code to remember are prohibitions against copyright infringement, plagiarism, harassment or interferences with the underlying technical code of the software. As a student using a third-party 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 the third-party learning tool constitute an educational record. By using the third-party 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.

### **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.

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.