MAT151 College Algebra Summer 2024

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Course	Section	Format	Start Date	End Date	Credit Hours
MAT151	14146	Hybrid	May 29, 2024	July 18, 2024	4

NOTE: Canvas will not be used for this class.

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 Course ID: **19069** Enrollment Key: **05292004**

TI-83 or TI-84 Graphing Calculator

- 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.

Textbook: College Algebra, Scottsdale Community College Edition (ISBN: 978-1-63434-847-8),

- OPTION 1: Download for free from MOER - ***Printing this textbook is not required***.
- OPTION 2: Purchase a printed copy from the SCC Bookstore (around $35).
  Purchasing this book is not required.
  Note: *if* you *want* a printed copy, it is likely cheaper to buy it from the bookstore than it is to print it yourself.

Technical Requirements

Students are responsible for meeting these technical requirements in order to begin this class:

- 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
- Headphones or working speakers connected to the computer

Mat151 MCCCD Official Course Description and Competencies

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: 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.

MCCCD Official 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.

SCC Resources Useful for Mat 151

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 www.scottsdalecc.edu/students/tutoring/online-tutoring

MAT108 Tutored Mathematics**:** MAT 108 is a two-credit course designed to provide mathematics students with structured tutorial assistance as they complete their mathematics courses. MAT108 students will work closely with faculty and student tutors during class to enhance learning. Information can be found online at www.scottsdalecc.edu/students/tutoring/math-108

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 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). Course requirements cannot be waived, but reasonable accommodations may be provided based on disability documentation and course objectives.

Expectations for Time Spent Outside of Class

This is an 8-week, 4-credit-hour class. Thus, students should expect to spend a minimum of 23 hours each week working on the required assignments that are part of this course.

Exams

- Two exams, a Midterm Exam and a Final Exam, will be given during the semester.
- Exams must be completed by the dates indicated on the Course Schedule. You may not use a late pass on any midterm or final exam.
- You may use your graphing calculator and any provided reference sheets 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.

Grading

Assignments	Percentage of Course Grade
Online Video Lessons Online Homework Exam Reviews	30%
3 Midterm Exams	35%
Final Exam	35%

Grading Criteria	
90% - 100%	A
80% - 89.99%	B
70% - 79.99%	C
60% - 69.99%	D (not passing)
0% - 59.99%	F (not passing)

Online Video Assignments: You are required to complete the online video assignments which include watching videos and answering questions. These will prepare you for the online homework assignments and exams. You may use a late pass, if necessary, without a per question penalty.

Online Homework: You are required to complete the online homework assignments for each lesson covered in this course. You may attempt each question three times to try and answer correctly. After three attempts, you may generate a similar problem to try to earn full credit. You may use a late pass, if necessary, without a per question penalty.

Exam Reviews: You are required to complete the exam reviews for each exam in this course. You may use a late pass, if necessary, without a per question penalty.

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.

Class Policies

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 (weekdays) or 48 hours (weekends) for the instructor to respond to messages sent via email or MOER.

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 or something 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.

Withdrawal Policies

Students can withdraw from this class at any time prior to the Final Exam.

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 all Orientation Modules (including the MOER Warmup assignment) by 11:59PM May 29, 2024 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 (unless the current assignments have been completed early).
- 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.

Withdrawal/Attendance Policy

If you go 7 consecutive days without attending this course, I am required by law to withdraw you. Since this course is hybrid, 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

Technology Statement

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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.

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.

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. Students are responsible for college policies included in the College Catalog and the Student Handbook.

Assignment Due Dates for Mat 151 - Fall 2020

V = video assignment H = homework assignment (due same day)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9/6	9/7	9/8 Course begins	9/9 Orientation Assignment Syllabus Quiz MOER Profile Assignment	9/10	9/11 V3.1 H3.1	9/12
9/13	9/14	9/15	9/16 V3.2 H3.2	9/17	9/18 Orientation Appointment V3.3 H3.3	9/19
9/20	9/21 V3.4 H3.4	9/22	9/23 V3.5 H3.5	9/24	9/25 V3.6 H3.6	9/26
9/27	9/28	9/29	9/30 V3.7 H3.7	10/1	10/2 V:Chapter 4 H:Chapter 4	10/3
10/4	10/5 Chapter 3 and 4 Review	10/6 Exam 1 Due	10/7	10/8	10/9 V5.0 H5.0	10/10
10/11	10/12 V5.1A H5.1A	10/13	10/14 V5.1B H5.1B	10/15	10/16 V5.1C H5.1C	10/17
10/18	10/19 V5.2 H5.2	10/20	10/21 V5.3 H5.3	10/22	10/23 V:Review of Fractions	10/24
10/25	10/26 V5.6A H5.6A	10/27	10/28 V5.6B H5.6B	10/29	10/30 V5.6C H5.6C	10/31
11/1	11/2 V5.7 H5.7	11/3	11/4 V5.9 H5.9	11/5	11/6	11/7

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11/8	11/9 Chapter 5 Review	11/10 Exam 2 Due	11/11 Veteran's Day	11/12	11/13 V6.1 H6.1	11/14
11/15	11/16 V6.2 H6.2	11/17	11/18 V:Review of Exponent Rules	11/19	11/20 V6.3 H6.3	11/21
11/22	11/23 V6.4 H6.4	11/24	11/25 V6.5 H6.5	11/26 Thanksgiving	11/27	11/28
11/29	11/30 V6.6 H6.6	12/1	12/2 V6.7 H6.7	12/3	12/4	12/5
12/6	12/7 Chapter 6 Review	12/8 Exam 3 Due	12/9	12/10	12/11 V:Chapter 7 H:Chapter 7	12/12
12/13	12/14	12/15	12/16	12/17 MAT151 Final Exam Review	12/18 Final Exam Due	12/19