



Deer Valley Unified School District



MAT151/College Algebra/Algebra 5-6 Course Outline

Mrs. Lindsey Fleegle
Phone: (623) 376-3257
Room: CC407
Email: Lindsey.Fleegle@dvusd.org
Prep Hour: 7th Period
Web site: <https://mrhs.dvusd.org>

Math 151 Course Syllabus
Dual Enrollment: Mountain Ridge High School and Rio Salado Community College

Rio Salado College – 2323 W. 14th Street – Tempe, AZ 85281 – (480) 517-8000

Course	MAT151	Title	College Algebra/Algebra 5-6
Semester	Fall 2021	Section	26691 FALL
			10981 SPRING

Text

Blitzer 7th Edition College Algebra

Course Description

This course includes the study of direct, inverse, joint, and indirect variation, linear regression, functions and relations, systems of both linear and non-linear equations, conics, matrices, logarithmic functions, exponential growth and decay, radical and rational expressions and equations, domain, range, and polynomial expressions, equations and graphs. Additionally, this course is aligned with Arizona Common Core Standards and/or national standards and supports the school-wide efforts to increase student achievement.

Official Course Competencies

By the time the student completes this course of study, the student will know or be able to:

1. Analyze and interpret the behavior of functions, including end behavior, increasing and decreasing, extrema, asymptotic behavior, and symmetry.
2. Solve polynomial, rational, exponential, and logarithmic equations analytically and graphically.
3. Find real and complex zeros of polynomial functions analytically and graphically.
4. Graph polynomial, rational, exponential, logarithmic, power, absolute value, and piecewise-defined functions.
5. Determine domain and range of polynomial, rational, exponential, logarithmic, power, absolute value, and piecewise-defined functions.
6. Use transformations to graph functions.
7. Perform operations, including compositions, on functions and state the domain of the resulting function.
8. Determine whether a relation is a function when represented numerically, analytically, or graphically.
9. Determine whether a function is one-to-one when represented numerically, analytically, or graphically.
10. Determine the inverse of a relation when represented numerically, analytically, or graphically.
11. Classify functions by name when represented numerically, analytically, or graphically.
12. Determine regression models from data using appropriate technology and interpret results.
13. Read and interpret quantitative information when presented numerically, analytically, or graphically.
14. Justify and interpret solutions to application problems.
15. Compare alternative solution strategies.
16. Calculate and interpret average rate of change.
17. Model and solve real world problems.
18. Solve systems of three linear equations in three variables.
19. Solve systems of linear inequalities.
20. Communicate process and results in written and verbal formats.

Fees and College Credit Transfer

This class earns 4 hours of college credit. The college credits earned through Rio Salado transfer to all the Maricopa Community Colleges, NAU, U of A, ASU, and some colleges/universities outside of Arizona. To determine the transferability outside the state, please call that particular college or university. **The cost is \$85/credit hour and a \$15 registration fee for a total of \$355 per semester (4 credit hrs X \$85=\$340 +\$15=\$355.00).** All registration paperwork is due by **Friday, August 13th!**

Attendance Policy

Since full and active participation is essential to success in this course, full attendance is required. **Students are not allowed to miss more than six (6) class periods per semester (excused or unexcused).** Upon the 7th absence, you will lose college credit. Note: If a student is suspended (whether on campus or off campus) the days will count against his/her overall attendance.

Canvas

Canvas will be used daily in this course. Your notes for the day will be posted on Canvas so if you are absent, you will get your notes from here. You will also open your homework AND SUBMIT homework on Canvas. Anything submitted after the due date will result in a zero. Technology problems will not be an excuse as you have ample time to finish and submit homework and have access to the internet at school daily.

Math XL

During the semester we will be using Math XL which is a computer program that will have homework or classwork to complete. Students can access this through Power School. Students will upload their work to Canvas once completed.

Absences

After an absence, a student has one school day for each day missed to make up work/tests, regardless of the number of days absent. If many days were missed, please schedule an appointment with me to formulate a plan for the completion of make-up work. Make-up work for extended absences (over 3 days) may be requested through the Counseling Office and picked up there.

Virtual Learning Attendance: A student will be marked late/tardy if they enter the Zoom session late or disengages/leaves the class early. Absences will be recorded for a no show to Zoom. Tardies will result in disciplinary consequences just like Sweep.

Makeup Policy:

- 1 day to make up work for each day absent.
- If swept, all work due must be turned in that day to receive credit.
- All lessons are on Canvas and all assignments are on Math XL and are accessible on your iPad so you are able to work while at home.

- **No late work will be accepted due to being a dual enrollment course and meeting college requirements.**
- **No extra credit available.**
- **Dual enrollment courses will follow the college departmental policies concerning late work, retakes, and academic integrity.**

Disclaimer

Course content may vary from this outline to meet the needs of this particular group.

Civility Statement

College policy prohibits any conduct which is harmful, obstructive, disruptive to, or interferes with the educational process. Therefore, the faculty of Rio Salado insist that the language of any communication between students and instructors or among students meeting electronically or in person at any Rio Salado site shall maintain the level of formality appropriate to any college teaching/learning situation. Excessively informal, rude, or insulting language will not be tolerated. Students who engage in such behavior will be withdrawn from the course.

Disability Statement

Rio Salado will make reasonable accommodations for persons with documented disabilities. Notify Disability Services and Resources and your instructor of any special needs. Contact Disability Services and Resources at (480) 517-8542.

Grading Scale and System

A	90 to 100%	
B	80 to 89%	Grades are rounded up at .5%
C	70 to 79%	for example, 89.5% is an A.
D	60 to 69%	
F	0 to 59%	

A weighted grading system will be used in this course. The grading categories and their weights are as follows:

Assessments (tests, quizzes, projects, midterm and final exam)	85%
Assignments (class work, homework, notebook)	15%

Test Retake Policy

Students may retake one chapter exam each semester. In order to qualify for retaking the test, students must have turned in all homework assignments for that chapter prior to the date of the original exam. The retesting must be done on the student's own time. Maximum percent allowed on retesting is 80% and the highest of the two scores will be used. **There is no extra credit! No late work will be accepted due to the rigor of a dual enrollment course!**

Power School Online Access

Grades and attendance may be accessed 24 hours a day online with your Power School access code. Access codes are available in the Counseling Office or Front Desk Monday – Friday 7:00 AM– 3:30 PM. You may check student progress regularly on the PowerSchool site using the same login for one or more students. For Mountain Ridge parents/guardians without home computer access, a computer with guest log-in capability is available in the Counseling Conference Room.

Classroom Rules and Consequences

- Do not talk when teacher is talking.
- Be in your seat or go to sweep.
- Items only used in math class on desk (bags, purses, etc. must be on the floor)
- Come to class prepared (notebook, paper, pencil/pen, and calculator).
- No gum, food, or drink in classroom other than water.
- Electronic devices of any kind are not to be visible in the classroom UNLESS we are using them.
- Show respect for teacher and classmates.
- Do not write on/in classroom texts, desks, or walls.
- SEAT OR SWEEP!!!

Consequences:

1. Warning
 2. A phone call home and an after school detention with instructor.
 3. A phone call home and a referral written.
- Instructor will go directly to step 3 when deemed appropriate.

Academic Assistance

In addition to the Academic Prep times built into our schedule each week, additional assistance/tutoring is provided on a weekly basis both by MRHS and individually by instructors. Those dates and times will be posted in the classroom and/or on my website at the start of each week. I will demonstrate to the students how to find availability each week. I also encourage your son/daughter to write down my availability each week so that you too are aware of my weekly availability.

Daily Device Use (iPads)

Students should come to school with their iPads charged and ready to use in each class every day. This includes in the virtual setting.

Devices may not be used to record or take photos of other people without their consent. Consequences for classroom disruptions and misuse of devices will follow a progressive discipline model, beginning with a phone call home and progressing to office referrals for repeated or more serious offenses. Students who have devices out during testing, may lose credit on their test or quiz.

Math/Science Calculator Policy

A TI-83, TI-83 PLUS, TI-84, or TI-84 PLUS calculator is necessary for the successful completion of all math classes at Mountain Ridge High School. Due to district policy students will not be allowed to use cell phones as a calculator on assessments (quizzes, test, etc.)

Recommended Supplies

- Notebook for math (these will be used for notebook checks so keep all work/notes in one organized location)
- Pencil/Pen
- Paper
- Graphing calculator TI-83, TI-83 PLUS, TI-84, or TI-84 (PLUS)
- iPad – Charged and ready to use daily.

Suggestions for Success

- Keep a great notebook with extensive notes either on paper or on your iPad. Notes can be used on quizzes so be sure you keep a good notebook on paper or electronically. You will also be graded on your notes for each unit. It is your responsibility to get notes when you are absent.
- Complete all assignments
- Ask questions
- Get extra help – before or after school by appointment
- Do not miss class