



# Deer Valley Unified School District

## Pre-Calculus H (MAT 187) Course Outline

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**Mrs. Lindsey Fleegle**

Room CC407

Prep – Period 7

### Math 187 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	MAT187	Title	Pre-Calculus H
Semester	Fall 2021-Spring 2022	Section	25478

### Text

*Precalculus*, Blitzer, Pearson Publishing, 2013.

### Course Description

This course is designed to meet the requirements of the Deer Valley Mathematics Curriculum and is aligned with Arizona College and Career Ready Standards and/or national standards and supports school-wide efforts to increase student achievement.

### Course Objectives

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

1. Develop a strong understanding of linear, polynomial, rational, exponential, logarithmic, trigonometric, and piecewise defined functions.
2. Become well versed in the properties, algebra, and graphs of the above functions.
3. Develop an understanding of the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts, etc.).
4. Develop an extensive understanding of the properties of trigonometry.
5. Develop problem solving skills using a variety of methods.
6. Discover how mathematics can be used as a modeling language for real-life problems.
7. Use technology to enhance one's understanding of the curriculum.
8. Emphasize, review, extend, and practice skills previously learned in mathematics.

### Student Expectations

- Do not talk when the 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 (iPad, notebook, paper, pencil/pen, and calculator).
- No gum, food, or drink in the classroom other than water.
- 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.

## Activities/Expectations:

- Be in your seat, ready to work, when the bell rings.
- Keep a great notebook, complete all assignments.

## Fees

The registration fee is \$ 85.00 per credit (this is a 5 credit course) plus a \$ 15.00 processing fee for a total of \$440. All registration paperwork is due by Friday, August 13th.

## Grading

A	90 to 100%	
B	80 to 89%	
C	70 to 79%	***Grades are rounded up at .5%
D	60 to 69%	
F	0 to 59%	

The grading categories and their weights are as follows:

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

The students will receive their **Rio** grade by averaging the final percent grade from both semesters.

- **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.**

## Retesting

Students may retest one chapter exam each semester after doing correctives and the teacher verifies that all the assignments from that unit are complete. The retesting and correctives must be done on the student's own time and completed before the final exam. The new exam grade is the higher score of the original exam score and retest score. Maximum percent allowed on retesting is 80%.

## Report Cards

In an effort to conserve resources and harness the capacity of our electronic grade reporting program (PowerSchool) district schools will no longer print hard copies of report cards unless requested by individual parents. To request a hard copy of your student's report card, please contact the front office at 623-376-3000. To receive your PowerSchool login, please stop into the office with a valid photo ID.

### 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.

### Make Up Policy

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.

- 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.

### 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.

### Daily Device Use (iPads)

Students should come to school with their iPads charged and ready to use in each class every day. 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. See the Student Rights and Responsibilities consequence chart in the online handbook for more specific descriptions of infractions and consequences.

### Math/Science Calculator Policy

Pre-Calculus students may use a graphing calculator on the midterm and the final exam. Throughout the year, calculator usage will vary. The instructor will inform the students whether they are to use or not use their calculator on a particular concept.

### Suggested Classroom Items:

- Notebook or iPad with Notability, PDF Expert, etc.
- Pencils & eraser
- Scientific calculator (TI-84 is suggested)

### 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.