MVLA
2025-2026
COURSE INFORMATION SHEET

Course Title: Trigonometry/Math Analysis
School: Los Altos High School
UC/CSU requirement: Yes
MVLA Graduation requirement: No
Textbook and/or other learning resources: Sullivan, Precalculus, 10th edition, 2016.

Course Description/Student Learning Outcomes:

This course is a pre-calculus course designed to prepare students for Calculus and/or AP Calculus AB. Students will gain experience with advanced mathematical concepts and use the concepts to model situations mathematically to solve problems. By the end of the course, students will be able to:

1. identify, transform, graph and model problems using polynomial functions
2. recognize exponential and logarithmic functions as inverse functions and use them to model real life problems
3. understand properties and behaviors of rational functions
4. apply trigonometric functions of angles, their periodic nature and their inverses to solve problems and represent graphically
5. use trigonometric identities to simplify expressions or prove equivalence
6. identify equations, graphs and applications of conics

Course Outline/Units of Study:

Trigonometry Math Analysis will cover content relating to Graphs, Functions & Their Graphs, Linear & Quadratic Functions, Polynomial & Rational Functions, Exponential & Logarithmic Functions, Trigonometric Functions, Analytic Trigonometry, and Applications of Trigonometric Functions aligned with the *2023 Mathematics Framework for California State Standards.*

Assessment and Grading (BP 5121 / AR 5121**):** To ensure that every student has an equal opportunity to demonstrate their learning, the course instructors implement aligned grading practices and common assessments with the same frequency.

1. Grading categories and their percentage weights:

Tests/Projects:	55%
Quizzes:	15%
Assignments	10%
FINAL:	20%

2. Achievement evidence collected within each grading category:

Implemented according to the team's unit calendar:

- Tests/Projects: approximately 4-5 tests and/or projects of equal weight each semester
- Quizzes: Quizzes will be provided as many times that the teacher deems necessary within a unit.
- Final Exam: 1 final exam each semester

Note: All quizzes and tests are **closed note assessments,** unless otherwise instructed by the teacher. A 3x5 index card of notes will be allowed on the Final, following guidelines provided by the teacher.

3. Grading scales:

A	90 to 100%
B	80 to 89.9%
C	70 to 79.9%
D	60 to 69.9%

F below 60%

4. Homework/outside of class practices (AR 6154):
Daily homework assignments must be submitted by the specified deadline announced by the teacher (via in-class announcements, Canvas, Google Classroom, email, etc.) to receive full credit. Classwork not finished in class becomes homework. Late submissions/credit will be based upon teacher discretion.

5. Excused absence make-up practices (Education Code 48205(b)):
Missed Quizzes: All teachers who teach Trigonometry/Math Analysis have their preference on how to support students with the form of a missed quiz. Thus, it is important that students/parents reach out to their respective teachers with any questions on how missed quiz practices will be done in their class.

Make-up Tests:

- Students must communicate with their teacher regarding excused absence(s) in order to begin arrangements for a makeup test as soon as possible.
- All missed tests must be made up within **one week**. If the student is absent (excused) for more than one week, the teacher will make arrangements with the student.
- If a student is unable to make up the test within one week then they will be given a separate make-up test, however the student will be ineligible for any form of remediation on that score.

6. **Academic integrity violation practices (LAHS Academic Integrity Policy):**
Honesty, trust and integrity are vital components of the education process. The Governing Board believes that academic honesty and personal integrity are fundamental components of a student's education and character development. The Board expects that students will not cheat, lie, plagiarize or commit other acts of academic dishonesty. Students and families should understand and act upon the values of academic integrity and should encourage the highest standards of academic behavior from themselves and their peers.

It is assumed that all work completed for a class is original work created for that class, for a specific assignment. Please refer to the Academic Integrity policy in the student handbook. For categories A and B, the “V” will be worth zero with no opportunity of point recovery. For violations in category C students will receive a failing grade in the course.

Below are examples of each category:
Category A: Minor Violations
This category involves violations related to smaller assignments such as classwork and homework.
Examples:
- Using an online answer key (either teacher-made or from a third party) and claiming the work as one's own.
- Using technology in an unethical manner to complete assignments, including but not limited to cell phone applications (such as PhotoMath, Mathway, Symbolab, etc.), use of Ai technology, and sharing pictures via social media websites.

Category B: Major Violations
This category involves violations related to major grade book entries such as quizzes, tests, projects, and final exams.
Examples:
- Sharing or requesting any information from a test with another student who has or has not taken the test.
- Unauthorized use of technology during an exam (e.g., cell phone, smart watch, etc.).
- Violating any assessment rule provided by the teacher within the parameters of the assessment.

Category C: Severe Violations
This category involves severe violations that compromise the integrity of the educational process.
Examples:
- Accessing a teacher's gradebook to alter grades.
- Stealing any assessment from the class that is not authorized by the teacher to leave the classroom.

7. **Late Work practices:**
   Homework assignments are expected to be completed and submitted by the specified deadlines. These deadlines will be communicated by the teacher and are based on the class schedule.

8. **Revision practices:**
   Tests: There are no test retakes. Rather, all students may get back ¼ of the points lost by properly completing test corrections for all incorrect problems. One test score may be replaced by that semester's final exam score if it is higher.
   Quizzes: If a student scores better on a test than on that chapter's quiz, their quiz score may be replaced by the original respective test score.
   Homework: Homework submitted until the day of the corresponding test is eligible to receive full credit based on completion and corrections. Homework submitted after the corresponding test will receive no credit.

9. **Extra credit practices:**
   No extra credit will be given.

10. **Additional grading practices:**
    None

11. **LMS Used: Canvas**

Instructors' email addresses:

- teresa.dunlap@mvla.net
- toni.smith@mvla.net
- jeanne.yu@mvla.net