

Instructor:	Lin Zhang Email: zhanglinlin@fhda.edu Canvas: https://deanza.instructure.com/
Office Hours:	M 11:45 – 12:30PM (use the Zoom lesson link)
Meeting:	M 9:30 – 11:45 AM https://fhda-edu.zoom.us/j/81841228868?pwd=SWdwNVFISmNQd2s4OWlrTEw4WEp5QT09 Meeting ID: 818 4122 8868 Passcode: 172779
Textbook:	Elementary Algebra (OpenStax) by Lynn Marecek Free Download: https://openstax.org/details/books/elementary-algebra-2e
Homework:	MyOpenMath.com
Equipment:	Graphing Calculator (TI 83, TI 84,...) TI Emulator Apps <ul style="list-style-type: none"> • For iPhone: Graphing Calculator X84 (free with basic features or \$4.99 for pro features) • For Android: Graphing Calculator plus 84 83 (free with basic features or \$2.99 for pro features)

1. Prerequisite:

Corequisite: MATH 32, 42 or 42H..

2. Course Objective:

- A. Explore topics related to developing effective learning skills
- B. Develop effective skills for modeling and solving real world applications
- C. Develop skills needed for evaluating trigonometric functions using both degree and radian measure
- D. Develop skills needed for solving oblique and right triangles
- E. Develop skills needed to solve arc length and sector area problems
- F. Develop skills needed to graph and analyze the six trigonometric functions
- G. Develop skills needed for applying trigonometric identities to simplify and evaluate trigonometric expressions and verify other identities
- H. Develop skills needed to analyze the inverse trigonometric functions
- I. Develop skills needed to solve trigonometric equations
- J. Develop skills needed to define the polar coordinate system and introduce polar graphs

- K. Develop skills needed to examine complex numbers in the complex plane
- L. Develop skills needed to perform operations with 2D vectors

3. Student Learning Outcomes

Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems.

4. Student Conduct:

A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. Put your cell phones on **silent** before the class starts. If you need to take a call or send a text message, you may step quietly outside.

5. Academic Integrity:

All tests are open notes, but your work must reflect what you know based on your own knowledge and thought. Referencing or copying another student's solutions, or searching answer online during tests are considered cheating. Violation of this policy will result in the student receiving ZERO credit for the entire assignment or test. Further action may be taken depending on the circumstance.

6. Drop Policy:

Attendance is integral to your success in this course. I expect you to attend all class meetings. **It is always YOUR RESPONSIBILITY to drop** the class if you feel like you can't continue for any reason.

7. Tutoring

The Math, Science, and Technology Resource Center (**S43**) provides free on campus and online services. For hours and more information, go to www.deanza.edu/studentsuccess/mstrc

8. Support Services

Students with disabilities needing reasonable accommodations should inform me in the beginning of the quarter. For more information, please visit the DSS office www.deanza.edu/dsps/dss.

9. Important Dates:

Saturday, April 22: last day to add

Sunday, April 23 : last day to drop with no record online.

Friday, June 2: last day to drop with a "W".

10. Grade:

This course is a support class that is designed to help you succeed in your transfer-level math class: Math 32 (Trigonometry). This course is taken for 2.5 unit credit and students can earn a letter grade. Grades will be based on participation and completion of the following activities in the following areas. An overall score of 70% or higher is passing.

Your overall grade will be based on the following:

- **Algebra/Review Topics (85%)**

BEST PRACTICES - do as many as you can at the beginning of the term before your work ramps up in our Trigonometry class! Then you have all the successful learning strategies in your tool box at the start of the semester!

Most topics should be familiar ones that you have learned before. Those assignments will provide a reference on the skills that are essential for our Trigonometry lessons.

Late Passes

Each student are given **10 late passes (96 hours each)**. After an is due, you should see a “late pass” button in the description of the assignment. After using all your late passes, you can complete an assignment in “Practice” mode, and email me about it so I can update your score. No late penalty for using late passes, but there is a 15% penalty for using “Practice” mode.

- **Discussion (15%)**

Three discussion assignments will be assigned through out the term. The discussion assignments are meant to serve as a student built test review for each test. More details will be given on the actual assignments.

11. Format of the Class

Since most assignments are review topics, students can choose to complete them on their own time without attending Zoom meetings. Due dates of assignments will be set each week according to what we need for the Trigonometry class. Instructor will be online from 10:30AM to 12:30PM to assist if students need help.

Student Learning Outcome(s):

*Demonstrate sound algebraic techniques by applying proper mathematical notation to trigonometric problems.

Office Hours:

M	11:45 AM	12:30 PM	Zoom
W,F	11:30 AM	12:30 PM	Zoom