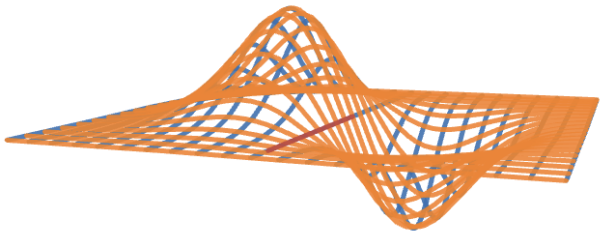

Math 32 - Precalculus II
Spring 2025

Instructor: John Jimenez
Email: jimenezjohn@fhda.edu

Class : Asynchronous
Office hours (by Appointment): F 8:00a-12:00p via Zoom
Schedule appointments in advance here.

Required Text and Recommended Materials:

- Textbook: Our (free) textbook will be Precalculus 2e from Openstax: https://openstax.org/details/books/precalculus-2e.
- Access to the web through a laptop, computer, tablet, or any smart device that is able to run Google Chrome. Such devices are readily available to all students to check out for the quarter in the library.

Grading:

Exams	Homework	Final
50 %	20 %	30 %

Grading scale where x = your grade
A+ $97\% \leq x$
A $92\% \leq x < 97\%$
A- $90\% \leq x < 92\%$
B+ $87\% \leq x < 90\%$
B $82\% \leq x < 87\%$
B- $80\% \leq x < 82\%$
C+ $77\% \leq x < 80\%$
C $70\% \leq x < 77\%$
D+ $67\% \leq x < 70\%$
D $62\% \leq x < 67\%$
D- $60\% \leq x < 62\%$
F $x < 60\%$

Exams 50 %: Three online exams will be given throughout the quarter. The lowest exam score will be dropped.

- 4/24 Exam 1
- 5/15 Exam 2
- 6/5 Exam 3

Homework 20 %: Weekly online homework will be given throughout the quarter. See "Makeup and Assignment Policies" for homework details.

Final 30 %: The online final for this course will be a two-hour cumulative exam.

- 6/25 Wednesday from 11:30 AM to 1:30 PM

Makeup and Assignment Policies: There are no makeup exams, homework, or final. All grades are final and late work is not accepted. All assignments will be online through MyOpenMath (MOM) which is a free online course management and assessment system for mathematics. You will automatically be enrolled and have access to MyOpenMath through Canvas so no action is required by students.

Resources to Succeed in this Course:

- Free on campus tutoring for math in the Math, Science & Technology Resource Center located in S43. https://deanza.edu/studentsuccess/mstrc/
- The MESA center located in S54 has drop-in tutoring. https://www.deanza.edu/mesa/
- After-hours or weekend tutoring**.** See the Online Tutoring page for information about NetTutor (via Canvas) or Smarthinking (via MyPortal).

Disability Statement: If you have a disability related need for academic accommodations or services in this course, you will need to provide me with a Test Accommodation Verification Form (TAV form) from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give a two week notice if they are in need of accommodations. For those students with disabilities, you can obtain a TAV form from their DSS counselor (408 864-8753 DSS main number) or EDC advisor (408 864-8839 EDC main number). The application process can be found here: https://www.deanza.edu/dsps/dss/applynow.html

Academic Integrity: If it is suspected that academic dishonesty, cheating, or plagiarism is taking place on an assignment, the college will be notified and will result in a failing grade of zero on the assignment. These standards are intended to promote responsible student conduct and fair play. Students shall be subject to College discipline which include suspension and or expulsion (as outlined in Administrative Procedure 5520: Student Discipline Procedures) for any of the following misconduct that occurs at any time on campus or at any off campus facility, including internet-based courses held on the worldwide web, or college-approved or sponsored functions.
https://www.deanza.edu/policies/academic_integrity.html.

Tentative Course Schedule:

Week	Section
1	5.1 Angles
2	5.2 Unit circle: Sine and cosine functions 5.3 Other trig functions
3	5.4 Right triangle trigonometry 6.1 Graphs of sine and cosine functions
4	4/24 Exam 1 6.2 Graphs of other trig functions
5	6.3 Inverse trig functions 7.1 Solving trig equations with identities
6	7.2 Sum and difference identities 7.3 Double-angle, half-angle, and reduction formulas
7	5/15 Exam 2 7.5 Solving trig equations 7.6 Modeling with trig functions
8	8.1 Non-right triangles: law of sines 8.2 Non-right triangles: law of cosines
9	8.3 Polar coordinates 8.4 Polar coordinates: Graphs
10	6/5 Exam 3 8.5 Polar form of complex numbers
11	8.8 Vectors
12	Finals Week 6/25 Wednesday from 11:30 AM to 1:30 PM via (MOM)

Important Dates:

- April 20 Last day to drop classes without a W
- May 24-26 Memorial Day Weekend - no classes, offices closed
- May 30 Last day to drop classes with a W
- June 19 Juneteenth Holiday - no classes, offices closed
- June 23-27 Final exams
- June 29 Graduation
- For a comprehensive list of important dates like the drop deadline

http://www.deanza.edu/calendar/.

Course Description: This course prepares students for calculus. Topics include extending the elementary functions of first-quarter precalculus to include the theory of periodic functions; composition of trigonometric functions with other elementary functions; polar coordinates; further exploration of the complex plane; introduction to the algebra of vectors. (5 units)

Student Learning Outcome(s):

• Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.

Office Hours:

F	8:00 AM - 12:00 PM	Zoom