Math 42.26 – Precalculus II: Trigonometric Functions   **Winter 2020**
Meets: TTh, 4:00 PM to 6:15 PM
Room: E34

Instructor: Lilit Mazmanyan	**Office:** Baldwin Winery 12
Contact: mazmanyanlilit@fhda.edu	**Office hours:** Thursday, 2:45 – 3:45 PM

Course Description
The theory of trigonometric functions and their applications.

Prerequisites
- MATH 41 or MATH 41H (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.
- Not open to students with credit in MATH 42H.
- Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

Textbook
Precalculus with Limits by Ron Larson, third edition.

Calculators
- A TI-83 PLUS, TI-84 or TI-84 PLUS graphing calculator is required.
- Any calculators that can do symbolic mathematics are not allowed on exams and quizzes, for example TI-89 or HP-49.
- It is the student's responsibility to obtain a calculator to use if his/her calculator is lost or broken. Library Reserve has calculators for limited loans. The instructor can NOT lend her calculator.
- Cell phones or other devices CANNOT be used in place of a permitted calculator on any quiz or examination.

Homework (HW)	• Homework is done online using WebAssign • Students need to self-register at http://www.webassign.net to use WebAssign software • **CLASS KEY** to register on WebAssign **WILL BE SENT TO STUDENTS BY EMAIL** • The due date for each assignment can be found on WebAssign • After the due date/time, HW cannot be submitted for credit • After the due date/time, the answer key is available online • The lowest hw score will be dropped
Quizzes (Q)	• Quiz is closed book • It is based on classwork and homework • One page of notes, HANDWRITTEN, (one side 8.5 x 11-inch) is allowed • NO MAKE-UP QUIZZES are given • Missed quiz is graded as a zero (0) • The lowest quiz score will be dropped
Exams & Final Exam (EX,FE)	There will be four (4) examinations • EX 1, 2 & 3 are one (1) hour each and Final exam is two (2) hours • EX 1, 2 & 3 and the FE dates are on the course schedule • Exams are closed book • Bring graphing calculator, spare batteries, pencils, ruler, sharpener, and eraser • No cellphones or other technologies are allowed during the Exams except graphing calculator • One (1) sheet of notes (one-sided 8.5 x 11-inch), HANDWRITTEN, is allowed for the

	Exams 1, 2 & 3 • One (1) sheet of notes (double-sided 8.5 x 11-inch), HANDWRITTEN, is allowed for the Final Exam • There are NO MAKE-UP examinations • An absence from any examination earns a grade of zero (0) • The lowest score of exams 1, 2 & 3 will be replaced by a percentage on the final exam if the latter is higher. • You MUST take the final exam to pass the course
Grading	Students will be graded on homework (HW), quizzes (Q), and exams (EX1, 2 & 3, FE). Grading depends on the clarity of work, interpretations, accuracy and completeness of graphs, and explanations as well as numerical answers. **Distribution of weights for each category** **Grading Scale** **Extra Credit** During the course you will have opportunities for extra credits. There will be extra problems included in the coursework and on exams.

Distribution of weights for each category

Category	% Weight on Final Grade
Homework	15%
Quizzes	15%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Final Exam	25%

Grading Scale

A+	≥99	A	94-98	A-	90-93
B+	86-89	B	82-85	B-	78-81
C+	74-77	C	70-73		
D+	64-69	D	58-63	D-	50-57
				F	<50

Important Dates and Deadlines
https://www.deanza.edu/calendar/

Monday	**January 6**	First day of Winter Quarter 2020
Saturday	**January 18**	Last day to add classes
Sunday	**January 19**	Last day to drop classes with no record of "W"
Monday	**January 20**	Martin Luther King Jr. Holiday - Campus Closed
Friday	**January 31**	Last day to request "Pass/No Pass"
Friday-Monday	**February 14 – 17**	Presidents' Holiday – Campus Closed
Friday	**February 28**	Last day to drop classes with "W"
Thursday	**March 26 4:00 – 6:00PM**	Final examination https://www.deanza.edu/calendar/finalexams.html

Attendance, Drops or Withdrawals
• Regular attendance is essential for success in the course.

• You must not miss a class in the first week of the quarter or you will be dropped.

• A student who discontinues coming to class and does not drop the course will automatically receive an 'F' grade

for the course.
• It is the student's responsibility to drop or withdraw from this course by the college deadlines.

Academic Honesty and Discipline Policy:
Students are expected to abide by the DeAnza College Code of Conduct and not participate in academic dishonesty.

Academic dishonesty includes:
• Copying from other students (plagiarism)
• Using notes during a quiz or examination that do not meet permitted specifications
• Continuing to write or erase on a quiz or examination after the permitted time has ended
• Using any electronic device other than the approved TI calculator on a quiz or examination
• Sharing a calculator with another student for a quiz or examination
You can find more information on academic integrity at https://www.deanza.edu/policies/academic_integrity.html

Disruptive Behavior:
The use of cell phones and other noise emitting devices is disruptive. Students must keep their cell phones and other noise making devices in the off-mode, and keep them off the desk and out-of-sight.

Disruptive behavior includes:
• Engaging in an activity not related to the classroom activity
• Eating or drinking during class
• Monopolizing discussion time
• Late arrivals or early departure

Tutoring
The Math, Science and Technology Resource Center (MSTRC) is located in S43 on the De Anza Campus, (408) 864-5422. Hours of operation: Monday - Thursday 9:00 am - 5:30 pm, Friday 9:00 am - 12:00 pm. The MSTRC provides free tutoring services such as drop-in tutoring, weekly individual tutoring, and group tutoring.
Student Success Center: http://deanza.edu/studentsuccess/mstrc/

Students with Disabilities
Students with disabilities who qualify for academic accommodations must provide a notification from the Disability Support Services (DSS) and discuss their specific needs with the instructor at the beginning of the quarter.
For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) please contact Disability Support Services (DSS). DSS is located in Registration and Student Services Building, RSS Room 141. Phone number is (408) 864-8753; TTY (408) 864-8753. Email is dss@fhda.edu.
Disability Support Services: https://www.deanza.edu/dss/

Tentative Schedule

	Tuesday	Thursday
Week 1	January 7 **Syllabus/Ch. Section 4.1**	January 9 **Ch. Sections 4.2 & 4.3**
Week 2	January 14 **Ch. Sections 4.3 & 4.4**	January 16 **Ch. Sections 4.5 & 4.6** **Quiz 1**
Week 3	January 21 **Ch. Sections 4.6 & 4.7**	January 23 **Ch. Sections 4.7 & 4.8** **Quiz 2**
Week 4	January 28 **Ch. Section 4.8 & Review**	January 30 **Ch. Section 5.1** **Exam 1 (one hour): Chapter 4**
Week 5	February 4 **Ch. Sections 5.1 & 5.2**	February 6 **Ch. Sections 5.2 & 5.3** **Quiz 3**
Week 6	February 11 **Ch. Sections 5.3 & 5.4**	February 13 **Ch. Sections 5.4 & 5.5** **Quiz 4**
Week 7	February 18 **Ch. Section 5.5 & Review**	February 20 **Ch. Section 6.1** **Exam 2 (one hour): Chapter 5**
Week 8	February 25 **Ch. Sections 6.1 & 6.2**	February 27 **Ch. Sections 6.2 & 6.3** **Quiz 5**
Week 9	March 3 **Ch. Sections 6.3 & 6.4**	March 5 **Ch. Sections 6.4 & 6.5** **Quiz 6**
Week 10	March 10 **Ch. Section 6.5 & Review**	March 12 **Ch. Section 10.7** **Exam 3 (one hour): Chapter 6**
Week 11	March 17 **Ch. Sections 10.7 & 10.8**	March 19 **Ch. Section 10.8 & Review**
Week 12	March 24 No Class	March 26 **Final Exam (two hours): Chapters 4,5,6&10** **4:00-6:00 PM**

- Any change in schedule is announced during class. Students are responsible for keeping track of schedule changes.
- Final Exam date/time is the college mandated official final exam date/time.
- **The due dates for HW assignments can be found on WebAssign.**
- Course materials (syllabus, lecture presentations, quiz/exam answer keys and additional resources) are uploaded onto *Canva*s. It is accessible to you via MyPortal as you are enrolled in the course. You can also access into Canvas using direct link (https://deanza.instructure.com) with your MyPortal login credentials.

Student Learning Outcome(s):

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