Math-32-50Z Precalculus II De Anza College Fall 2020

CLASS MODE: 80% synchronous and 20% asynchronous.

Course structure: weekly materials are divided into modules. Each module follows the tentative course calendar on page#3. Canvas Module tab is where you will find everything for the course during each week. Each module will be available for accessing and viewing on Sunday at the beginning of each lecture week.

All the materials will be posted on Canvas Modules tab including recorded video lectures, solutions to tough problems, websites for additional study, discussion topics, worksheets, quizzes, exams, final, and much more. It is the student's responsibility to check Canvas daily once the quarter starts for latest updates from the instructor.

Instructor: Vinh Kha Nguyen
Live lecture: M,T,W,TH 10:30-11:20AM
To access live lecture, student needs to log onto Canvas and access the Canvas Zoom tab.

Office Hours: W 2-3pm on Canvas Zoom tab
Office hours are an opportunity for students to receive free tutoring from the instructor. This is your chance to ask questions you have from studying or doing homework, to discuss your grade or seek advices.
How to contact instructor: nguyenvinh@fhda.edu or Canvas Inbox the instructor (preferably)

Textbook: Precalculus, 7th Edition by James Stewart, Lothar Redlin, and Saleem Watson

Grade is composed of homework, discussions, quizzes, exams, and final.

0-59% F	80-82% B-	90-92% A-
60-69% D	83-86% B	93-96% A
70-76% C	87-89% B+	97-100% A+
77-79% C+		

homework	discussions	quizzes	exams	final	total
60pts	40	100pts	120pts	120pts	440pts

Homework: practice problems to reinforce learning materials. *Late homework gets 0pts regardless of excuses.*
Student must submit hw on the Canvas Assignment tab or Canvas Module tab on the due date to get credit.
Discussions: each discussion topic is posted on Canvas Module. Student has one week to reply to each discussion. Each discussion topic help students to develop their critical thinking and writing skills. Students must reply to the discussion topic during the week it is available on Canvas Modules. *Late discussion reply gets 0pts.*
Quiz: each quiz date is posted on the course calendar. *Missed quiz gets 0pts regardless of excuses.*
Exam: each exam date is posted on the course calendar. *Missed exam gets 0pts regardless of excuses.*
Final: comprehensive! Will be given during final week. There is no make-up for final exam.

If you notice that I made an error on the grading, you are responsible to inform me within a week of the date of the exam/quiz. Otherwise, your score on the exam/quiz will be unchangeable.

Makeup Policy: No makeup quizzes or exams are available. However,
Only one missed quiz due to an excused absence or emergency will be covered by the next quiz (doubling points).
Only one missed exam due to an excused absence or emergency will be covered by the final exam (converted to a percentage).
Student must notify the instructor in advance of a missed quiz or a missed exam to use the makeup policy.

Quiz, exam, and final procedure:

- Each student must place all electronic stuffs inside backpack and place it in front of the whiteboard.
- Only take what is needed for the exam to the desk such as pencil and eraser.
- If a student is caught cheating during an exam, that student gets an F in the course. Bye bye! Sayonara!
- If a student's smartphone rings during an exam, that student's exam will be taken away and will be graded as it is.
- There is no time extension for students who arrive late.

Time Commitment: As stated in the course catalog, students are expected to spend at least two hours studying, reviewing in class problems, and doing homework outside of class for each hour in class.

Grade improvement: Math is challenging, and the only way to build confidence is through practice and more practice. Other strategies: take good note during lecture, form study group, do hw sooner than later, seek help when need help, understanding rather than memorizing, prioritize tasks, do not multi-tasking while studying, etc.

Campus tutoring, additional assistance, and Internet resources:

- On campus tutoring in S43: https://www.deanza.edu/studentsuccess/mstrc/
  M-Th 8:30am-6pm, F 8:30am-12:30pm
- Online tutoring: https://www.deanza.edu/studentsuccess/onlinetutoring/
- Student's services: https://www.deanza.edu/services/
  Disability Support Service, EOPS, Veterans, CalWORK, Foster Youth, Food Pantry, Health Service, etc.
- The Internet: Youtube lecture video, Khan Academy, Paul's note, Wolfram Alpha, Microsoft Math Solver, Desmos, GeoGebra, etc.

Students' responsibility:

- Students are expected to behave as educated adults, be accountable for any of your actions.
- Since the pace of the class may be quite fast at time, you are expected to seek help as soon as you realize that you are falling behind. Visit campus tutoring center, form study groups, and visit instructor office hours when possible. Instructor is always available for help or advice.
- *What? Is there a time commitment for this class?* YES, students are expected to spend at least two hours studying, reviewing, and doing homework outside of class for each hour in this class.
- Take good note by yourself or from another classmate. A detailed lecture note is one of the best resources to do homework and to prepare for exams and final.

Attendance: Students are expected to attend all class meetings, arrive on time, take note, and stay for the entire class. The instructor reserves the right to drop/withdraw students who are absent more than five lectures during the quarter. However, **a student who discontinues coming to class and does not drop the course will get an F**. It is the student's responsibility to drop the course.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to formally drop the class. Do not rely on the instructor to drop.

Disruptive Student: 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.

Smartphone Use: All smartphones must be on silent mode and put away during lecture. We do not learn how to text or searching the Web in this class, so there is no reason to have smartphones out during class unless the instructor allows so to access Wolfram Alpha or GeoGebra during group work.

Academic Dishonesty: Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade F in the course and will be reported to college authorities.

Expected 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. During the quarter, if you have any questions about the course policies, you will be first referred to this syllabus. Please make sure you keep a copy. You can find Foothill-De Anza College Code of Conduct at https://www.deanza.edu/student-development/conduct.html

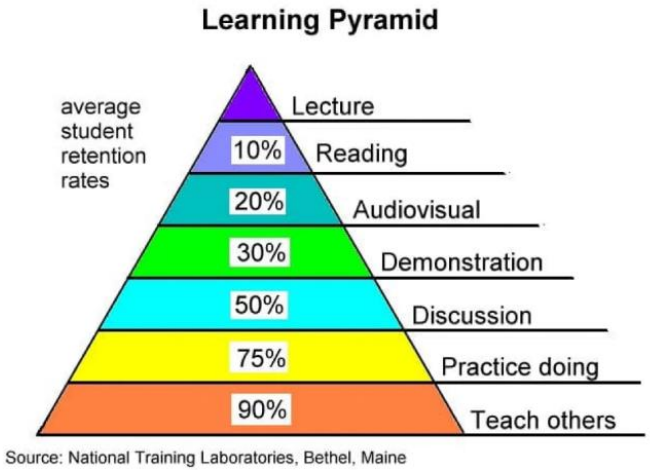
Accommodation: Students who need additional accommodations, due to learning disability or some other reason, please contact the instructor during the first two weeks of class to discuss your options. Disability Support Services determines accommodations based on appropriate documentation of disabilities. DSS is located in Student Community Services building room 141, and their phone number is (408) 864-8753.

Tentative Course Calendar

M	T	W	Th
9/21 Syllabus and Canvas **Quiz on syllabus and Canvas**	9/22 5.1 Angle, radian & degree, reference angle	9/23 5.2 the 6 trig functions, 30-45-60 angle, graph of sine/cosine	9/24 5.3 graphing sine/cosine
9/28 5.3 information from graphs of sine/cosine	9/29 5.4 graphs of other trig functions	9/30 5.5 inverse trigonometry	10/01 5.6 applications of sine/cosine
10/05 Hw#1 due, Quiz#1 6.1, 6.2, 6.3 circular arc, linear & angular speed, right triangles	10/06 6.1,6.2,6.3 applications	10/07 6.5 Law of sine	10/08 6.6 Law of cosine
10/12 Laws of sine/cosine examples	10/13 Applications of laws of sine/cosine	10/14 Catching up, Q&A	**10/15 Hw#2 due EXAM#1**
10/19 7.1 trig identities	10/20 7.1	10/21 7.2 sum and difference identities	10/22 7.2
10/26 7.3 double and half angle identities	10/27 7.3	10/28 Trig identities review	10/29 **Hw#3 due, Quiz#2** 7.4 solving trig equation
11/02 7.4 more complex equations	11/03 7.4	11/04 7.5 solving trig equations involving multiple angles	11/05 7.5
11/09 Solving equation review	11/10 Catching up, Q&A	11/11 HOLIDAY Veteran's Day	**11/12 Hw#4 due EXAM#2**
11/16 9.1 vectors	11/17 9.2 the dot product	11/18 9.2 geometrical significance applications	11/19 Applications of vectors
11/23 hw#5 due, Quiz#3	11/24 8.1 polar forms	11/25 9.2 polar equations & graphs	11/26 HOLIDAY Thanksgiving
11/30 8.3 polar form of complex number	12/01 8.3 DeMoirve's Theorem	12/02 Final review, Q&A	12/03 Final review, Q&A
12/07	12/08	12/09	**12/10 Hw#6 due FINAL EXAM**

Important dates

10/03 Last day to add
10/04 Last day to drop
10/05 CENSUS
11/13 Last day to drop a class with W
12/07 – 12/11 Final Exam week



PRECALCULUS & TRIGONOMETRY Homework

- Homework is graded on completeness and neatness, see tentative calendar for due date.
- Why should students care about showing work and getting the correct answers?
    - **Practice makes confidence**
    - **Help to do similar problems much faster on exam**
- Students are responsible to do all homework and submit the work on time,
    - Hw without **Last Name, First Name format** is -1pt
    - Hw without clear sections labeling & problems listing is -1pt
    - Starting new section NOT on new paper will be -1pt
    - Hw without show work will be -1pt for each section (Do NOT write only the answer)
    - Late hw gets a solid 0pt, so do not submit late hw.

Q: How to submit hw?

A: Scan and upload everything in .pdf file. You can use a smartphone to scan your hw problems or convert pictures of your hw problems into .pdf format. Then upload the .pdf file to the Assignment Tab or appropriate Module Tab on Canvas by or before the due date.

Hw#1
5.2#63,64,65,66 pg. 418
5.3#33,35,41,45,47,49,51 pg.429
5.5#41,43,45,47 pg. 445
5.6#41,42,43,44,46 pg. 457
Hw#2
All problems on the applications in arc length, area, speed, and distance worksheet
All problems on the laws of sines and cosines application worksheet
Hw#3
7.1#31,33,39,45,49,53,63,65,71,83 pg. 543-544
7.2#3,5,7,25,27,35 pg. 551
7.3#17,19,21,73,75,77,85 pg.561-562
Hw#4
7.4#5,13,27,33,43,47,53 pg. 569
7.5#3,7,13,17,19,23,25 pg. 574
Hw#5
9.1#9,10,11,12,31,33,35,37,47,48,29,50 pg. 637-638
9.2#5,7,9,11,13,15,17,19,29,31,33 pg.646
All problems on Ch9 worksheet
Hw#6
8.1#37,39,41,43,45,47,49 pg. 593
8.3#29,31,35,65,67,71,73 pg. 610-611

Student Learning Outcome(s):

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