Greensheet for Math 32 – Precalculus II — Fall 2020

Class	Math 32.52Z	**Instructor**	Bert Lo
Lecture	Prerecorded in Zoom (recording sessions open to students)		lobert@fhda.edu
Office Hours	in Zoom TTh 3:00pm – 5:00pm Pacific Time (UTC-7)		**http://nebula2.deanza.edu/~bert OR google "Bert Lo"**

Course Outline http://www.deanza.edu/publications/catalog/search/outlinepublic.html?searchID=MATH42

Text
Precalculus with Limits (4th edition)
Ron Larson
Cengage Learning 2018

Grades Your grade will be determined by your scores on homework, quizzes, 4 midterms, and a final exam.

Homework	140 points (100 points WebAssign + 40 points supplemental)
Quizzes	160 points (40 points × 4)
Midterms (4)	400 points (100 points × 4)
Final Exam	300 points

A+	at least 970 points	A	930 – 969 points	A–	900 – 929 points
B+	870 – 899 points	B	830 – 869 points	B–	800 – 829 points
C+	770 – 799 points	C	700 – 769 points		
D	600 – 699 points				
F	0 – 599 points				

Calculator Scientific calculator with trigonometric and inverse trigonometric capabilities

- Most tests will be no-calculator or require restricted models of calculators. Unless otherwise stated, all work and answers must be done using fractions and radicals, not decimal approximations.
- I do not provide any calculator help during quizzes and exams.
- Calculators with memory and/or program capabilities (eg. TI-82/83/84/85/86/89/92/NSpire) are not allowed on quizzes or exams. You may use them for lectures and homework, but you must have access to and know how to use one of the permitted calculators for quizzes and exams. If you only bring a calculator with memory and/or program capabilities to a test, you may need to complete the test with no calculator.

Attendance Regular attendance is important to succeeding in any math class.

- You are expected to watch all prerecorded lectures. Pay special attention to instructions on how work is to be presented for full credit.
- If you like, you may attend the Zoom recording sessions for the lectures, so that you may ask questions in realtime. (Recording times will be announced via e-mail through MyPortal, not Canvas.) If you choose to do so, read the corresponding sections of the textbook beforehand, so you can ask relevant questions from your readings.
- Attendance will be taken weekly based on progress on homework, and submission of completed supplemental homework, quizzes and midterms.
- If you do not complete the weekly WebAssign homework for each of the first two weeks, I will drop you from the class.
- If you do not complete the weekly WebAssign homework for any two consecutive weeks, you may be withdrawn from the class.
- If you do not want to stay beyond the 8th week, you must officially withdraw from the class at Admissions and Records before the end of the 8th week. If you stop attending and do not officially withdraw yourself, you will receive an F for the course.

Readings Reading the textbook every day helps you understand what we discuss in class. It also helps clarify the material by giving examples which you can study at your own pace. Additional handouts provided serve to clarify some of the material in the textbook and lectures.

- Reading a math textbook properly means understanding all the terminology used in the book, and working out the given examples yourself and checking if you are able to get the same results as in the book.
- Some concepts are presented differently in the textbook than in lecture, in ways which you may find more in line with your learning style.
- Some explanations are given in more detail in the textbook than in lecture. I will say things in lecture which I might not write down – you will find most of those "missing" notes in the textbook.

- I believe that reading the textbook regularly accounts for about 20% of your learning in a math class. If you do not read the textbook regularly, you should not expect to score higher than a C, and you may likely score worse.

Homework Doing homework regularly helps you to really understand the material, and makes lectures easier to follow. It allows you to discover and correct your confusions and misunderstandings, so you'll be less likely to make the same mistakes during quizzes and exams. Homework also develops critical thinking, since **you will be asked to consider problems which are not explicitly discussed in lecture**.

- Homework will be assigned for each lecture section. Most will be via WebAssign, with some supplemental homework to be handwritten and submitted on Canvas.
- Your WebAssign homework score is the percentage of points you earn on assigned WebAssign homework questions out of the total points available across all those questions.
- Each supplemental homework must be submitted via Canvas as a single PDF. As college students, you should present that work neatly, logically and in an organized manner with all required steps shown. Watch the prerecorded lectures to understand how to properly present your work. Homework which is untidy, illogical or unorganized, or consists of answers without proper work will not be accepted, and will earn 0 points.
- You should expect to spend at least 10 hours a week (not including the prerecorded lectures) on homework.
- Give each question a solid effort before you start asking for help. You will learn much more from trying to solve a problem yourself, than from watching someone else solve it for you. (I can watch other people play basketball all day long, but I will only really improve when I pick up a ball and start shooting baskets myself.) Reread the notes or textbook, or search for similar examples for ideas on how to proceed, then try again.
  IF YOU ONLY FOLLOW THE SOLUTIONS IN THE SOLUTION MANUAL, BUT YOU DO NOT LEARN TO SOLVE THE PROBLEMS WITHOUT HELP, YOU WILL PROBABLY FIND THAT YOU HAVE GREAT DIFFICULTY WITH THE PROBLEMS THAT APPEAR ON TESTS.
- Homework assignments will only represent part of what you are expected to master. If you only do the assigned problems, you might or might not be able to achieve a C in the class. If you want a higher grade, you should do extra problems on your own, in order to get enough practice to truly master the material. Once you know how to do a certain type of problem, do another similar one to make sure you can do it without an example to follow. Then do another one. The more practice problems you do, the more confident you will feel, and the better you will do on the tests.
- I believe that homework accounts for about 50% of your learning in a math class. You should not expect to pass the class if you do not keep up with the homework. If you don't think you can commit at least 10 hours a week to this class, take it another quarter when you can make that time commitment.

Quizzes Quizzes are designed to motivate you to keep up to date on the homework.

- Quizzes will be given periodically throughout the quarter. Each quiz will correspond to several related sections from the textbook. (See the tentative schedule for details.) The exact due date will be announced at least 2 days in advance. There are no make-ups for missed quizzes.
- There will be at least 200 total points available across all quizzes combined. So, you can miss or do very badly on one quiz without impact to your grade.
- Most quizzes will be non-calculator, so you will be required to perform basic arithmetic, and know special trigonometric, inverses trigonometric, and radical values on your own. Unless otherwise stated, all work and answers must be done using fractions and radicals, not decimal approximations.
- Each quiz must be submitted via Canvas as a single PDF.
- All tests end at the time stated. If your test is received after that time, you will receive a 0 for it.
- Credit on quizzes will be heavily weighted to properly written solutions, not just correct final answers. Follow the guidelines shown in lecture and website handouts.

Midterms There will be four midterms during the quarter.

- Midterm dates will be announced at least 3 days before the corresponding midterm is given.
- No midterm scores will be dropped. There will be no make-up midterms.
- The expectations for midterms and quizzes are very different. Because quizzes are given sooner after material is taught, you may be given more time, because you are just starting to incorporate the subject matter. For midterms, I assume that you have had much more practice with the material, so that you are able to identify and execute solutions within a much shorter timeframe.
- To be fully prepared for the midterms (and final exam), consider creating individual strips of paper, each with a different problem, throw them all in a hat, then draw them out in random order and solve each. This will give you practice in identifying solution techniques without benefit of knowing which section the solution might be found in.
- If you score higher on your first midterm than on your second, third or fourth midterm, I will replace your lowest midterm score with the average of that score with your score on the first midterm. Only one of your second, third or fourth midterm scores can be replaced in this way. The first midterm score cannot be replaced. So, it is to your benefit to begin studying regularly right away.

Final Exam There will be a comprehensive final exam during the 12th week of the quarter.

- The final exam will last 2 hours.

Personal Development Keeping a journal encourages you to take responsibility for your own progress and success.

- You will be given a score calculator to help you track your scores. Completing the score calculator is optional. However, if you ever wish to discuss your grade with me, you will be required to bring your completed up-to-date score calculator with you.

Enrolment You are responsible for handling all issues related to your enrolment.

- If you wish to drop/withdraw from the class, do so at Admissions and Records before the end of the 2nd/8th week.
- If you do not pay for your classes on time, you will be dropped from the class. If you then wish to re-enroll, you will be moved to the end of the waiting list.
- I will check the class list frequently. If you are not enrolled, I will not grade your work, and I will give your seat away.

Classroom Behavior Respectful participation in the learning process is strongly encouraged.

- Feel free to ask questions to the instructor during the Zoom recording sessions or office hours. Discussions are to be focused on the class material, concepts, homework and policies.
- Disruptive or disrespectful behavior in the Zoom recording sessions or office hours is unacceptable. (This includes any form of Zoom bombing ie. inappropriate sharing of language, sounds, images, videos etc. with the instructor or any members of the class during a Zoom recording session or office hour.) You will be removed from the Zoom session, and you will be unable to rejoin that session. If I have to remove you twice during the quarter, I will act to have you suspended/withdrawn from my class.

Academic Honesty Cheating is the act of trying to get credit for work that is not yours. I have a **zero tolerance** policy towards cheating.

- Cheating includes (but is not limited to): communicating with anyone else during any type of test; copying or submitting work from someone else or from any source (eg. book, website); altering or interfering with grading or attendance taking; using any electronic equipment during quizzes and exams that has not been authorized (eg. cell phones, tablets, computers, symbolic calculators); helping another student cheat. (This is not an exhaustive list.)
- My zero tolerance policy towards cheating is: if you are caught cheating, I will give you an F for the course (no second chances).
- In addition, if you are caught cheating, you will be reported to the division dean and Student Development, who may impose much stricter consequences (eg. probation, suspension, expulsion). NOTE: In Spring 2020, I reported more students for collusion and submitting work that was clearly not their own than I had for the previous 3 years combined.

Help DeAnza College wants you to succeed, and we will help you as much as possible.

- Get help as soon as possible. Don't wait until you are 2 or 3 weeks behind class before asking for assistance.
- I will do all I can to help you, if you ask for help first. You must take responsibility for seeking assistance – it will not come looking for you.
- Some students begin using the help services during the 1st week. To start, learn where the services are located, when they are available, and if you have to follow any special procedures to use them.
- If you use any type of tutor, show them the lecture materials and handouts, so they are aware of expectations and what you have been taught. A good tutor should be able to follow along, and not impose their own standards (which may not be applicable).

There are two primary sources of help if you are having difficulty with the material in this class.

- Office hours: I have office hours Mondays to Thursdays (except holidays), no appointments necessary. If my office hours are not convenient, I can occasionally schedule other times to meet. Just ask.
- Math Tutorial Center: Free tutoring is available. Visit https://www.deanza.edu/studentsuccess for more details.
- Additionally, if you have or think you might have a disability, the Disability Support Services (DSS) and Educational Diagnostic Center (EDC) offer additional services. In addition to helping students with dyslexia, attention deficit disorder and other commonly recognized learning disabilities, these services are also designed to help students whose abilities and efforts significantly exceed their actual achievement. If you feel this describes your situation, please talk to me, so I can put you in touch with the appropriate people.

Other Notes

Some specific advice on succeeding in Math 32.

- If you've never taken a trigonometry class before, you will find it quite different from an algebra class. An algebra class often consists of distinct "modules", and it is possible to do poorly on one module and yet succeed at a later unrelated module. That is **not** the case with trigonometry. Because the material in a trigonometry class is tightly interconnected, if you do poorly early on (due to insufficient studying, or not getting effective help), it will continue to prevent you from succeeding until you go back and master that earlier material. So you should start studying immediately.
- If your foundation in algebra and precalculus 1 is not good, you may find yourself struggling in Math 32. Work through the entire prerequisite review package as soon as possible, and come to office hours this week if you have any difficulty.

Some general advice on succeeding in my classes.

- E-mail to the instructor must be sent to lobert@fhda.edu (not via Canvas) with a subject line in the format

  [Math 32] (*studentID lastname, firstname*) TOPIC

  with a space between "Math" and "32", between "]" and "(", between your student ID and your last name, between "," and your first name, and between ")" and the topic of your e-mail.

  For example, if your name is Jenny Tutone and your student ID is 08675309, and you wish to discuss prerequisites, use the subject line

  [Math 32] (08675309 Tutone, Jenny) Prerequisites

  Not following this format will result in your e-mail being misfiled by the e-mail filters and possibly not seen.
- When taking tests of any type, first glance quickly at all questions and their point values, so you have a sense of what is expected.
- Grading gets progressively stricter from the quizzes to the midterms to the final exam. On the quizzes, you may earn a considerable amount of partial credit if you only make one algebra mistake. On the midterms, you will earn less partial credit for the same type of mistake. On the final exam, you may earn no partial credit for the same type of mistake.
- I do not curve any tests, even if the class median is an F. I have found that when I curve, students actually do worse later on. When I don't curve, the students who are serious about getting A's and B's make adjustments to their study habits and earn those grades outright anyway.
- If you do not start studying regularly during the first week, you should drop the class today and give someone from the waiting list an opportunity to succeed. If you fail the 1st midterm, that score will **NOT** be replaced (see **Midterms** section above), and could result in an overall drop of an entire grade for the quarter.

- Things which really annoy me to no end, and which I will address in no uncertain terms:
  - students who cheat – they have no regard for their fellow students' efforts, nor for the time I waste dealing with the disciplinary actions (FAIR WARNING: in order to save time dealing with these issues, I collect evidence throughout the quarter, but may only confront students at the end)
  - students who don't read the greensheet, and then ask me something which is clearly spelled out there
  - students who don't submit their tests by the deadline, and then whine when I give them a 0 even though it is clearly spelled out in the greensheet
  - students who don't study during the first third of the quarter, fail the 1st midterm, and then complain that the midterm is too hard, even when it looks pretty much like their homework

Despite the length and language of my greensheet, I'm actually very supportive of students who are serious about learning and working hard to be prepared for whatever higher math may come their way. If that doesn't describe you, you might find me overbearing and obnoxious.

Student Learning Outcome(s):

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