



Instructor: Hung Trinh htrinh@lbcc.edu

Class time: Monday to Thursday 8 AM – 10:15 AM

Room : LAC-V237

Optional Textbook: *Trigonometry* by Lial, Hornsby, Schneider and Daniels 11th Ed.



MyMathLab (MML): Please log in Canvas and click on “**MyLab and Mastering**” tab (on the left side) and register this class. Then you will do all assignments on MML through Canvas by clicking “**Assignments**” .

Calculator: Any scientific Calculator is fine, but a TI 84 is more useful.

Prerequisite: MATH 130, 130B, 140 or one year of high school intermediate algebra with a grade of B or better as reflected by the second semester grade, and MATH 120 or one-year high school geometry or qualification through the LBCC assessment process.

Course Description: The topics covered in this course include right triangle trigonometry, circular functions, inverse functions, identities and formulas, graphing, trigonometric equations, the Law of Sines and the Law of Cosines, and complex numbers and polar coordinates.

Course Objectives:

1. Define the six trigonometric functions.
2. Evaluate trigonometric functions.
3. Find all solutions to problems involving the ambiguous case of the Law of Sines.
4. Distinguish between trigonometric equations and identities.
5. Distinguish between multiple-solution and single-solution equations.
6. State the reasons for range restrictions of the inverse trigonometric functions.
7. Recognize the connection between complex numbers and trigonometric functions.

Student Learning Outcomes:

1. Solve right triangles and triangle problems using the Law of Sines or the Law of Cosines.
2. Graph trigonometric functions, their translations, and their inverses.
3. Prove trigonometric identities.
4. Solve trigonometric equations

Welcome to Math 40 - Trigonometry: I look forward to spending the semester learning stronger foundation for Trigonometry with you. You will be amazed at how easy some concepts are to understand and equally amazed at how challenging some problems are to solve. Over this summer, you will experience a range of feelings, including: success and failure; challenge and exciting; accomplishment and frustration. Persistence and hard work mean a lot more in this summer class than “intelligence”. Please attend all lecture days to learn and do activities with your classmates. Also, please spread out your time to finish all assignments before the due dates. Put in your time and effort, and I could help you through this class. I know you will succeed.

Electronic Devices: Cell phones, pagers, MP3 players, and all other electronic devices must be turned **OFF or Silence** during class. Only Laptops, iPads, or Tablets can be used for taking notes, not for other purposes. Violating this rule will cause students to be dismissed from that day.

Attendance: Given the active participation nature of this class, daily attendance is expected, as many discussions and activities are nearly impossible to replicate outside of class. I understand that emergencies do happen, and you may miss class. We will miss you if you do not attend class, so please contact your classmates to ask for the lecture notes and any important announcements.

Coming to class late or leaving early counts as a half absence. When the total of all absences and half absences combined reaches four (4), you will be dropped from the class. It is the responsibility of the student to drop the class in which the student no longer attends. When you miss only one or zero class meetings, you will be given 7 or 10 extra credit points, respectively, at the end of the semester.

If you are absent any day of the first three (3) days (without good reasons), it seems that you are not interested, and you will be dropped from this class. Students who do not participate in class, that is, who consistently do not complete assignments or show up to class **MAY** be dropped from the class for non-participation.

Contacting: If you have questions, the best way is to ask me during lecture time or activity time so that we can talk, discuss, and get our feedback right away. Otherwise, please email me. I will reply within 48 hours (Monday to Friday), but when I don't have many emails, I can reply to you quicker.

Grading

Homework	20%	A \geq 90%	☺☺☺
Quizzes	15%	80% \leq B < 90%	☺☺
Exam 1	20%	68% \leq C < 80%	☺
Exam 2	20%	58% \leq D < 68%	☹
Final Exam	25%	F < 58%	☹☹

Homework (HW): Homework reflects and helps students to understand the materials, so it is crucial that the students work on the assignments at least 4 days per week (at least 16 hours). Summer classes are very fast, so students need to study right away what they learn. The assignments of the first 2 days of each week are due on Fridays. The assignments of the last 2 days of each week are due Mondays of the following week. Students are encouraged to work together on their homework assignments. Late homework will be deducted 10% every day.

Quizzes: We have 8 five-minute open-note quizzes. No make-up quiz will be given. The two lowest quizzes will be dropped.

Exams & Final Exam: There are 2 midterm exams and a comprehensive final exam. If you must miss an exam, you are responsible for contacting your instructor as soon as possible. Also, you must provide serious and compelling documentation for consideration of a make-up exam. Midterm make-up exams must be taken at the [Math Success Center](#). The lowest midterm score will be replaced by the final exam percentage (only if better). You will be allowed to have a cheat sheet during an exam.

Ways to Succeed in this class:

1. Study and Do HW every day is strongly recommended (approximate from 6 to 9 hours/week). The most important way of learn Statistics is practicing, not just [listening, watching, reading] .
2. Ask questions and be active in class. **WORK HARD BUT SMART.**
3. Use the **FREE** tutoring services at Multidisciplinary Success Center (PCC – EE 206) or the Math Success Centers (LAC – V 163).
4. **Form a study group with fellow students.** Exchange phone numbers so that you can get class notes and other information should you happen to miss class.

Name				
Phone				

ADDITIONAL LBCC RESOURCES

DSPS

Disabled Services is designed to provide customized services to meet the needs of students with disabilities. Any student needing accommodation must supply written verification prior to receiving services. Location: LAC campus A-1134 and PCC campus GG-107. You can also email dpsstaff@lbcc.edu or call PH: (562) 938-4558 FAX: (562) 938-4457 TTY: (562) 938-4833 for assistance. Here is a link to their website: [LBCC DSPS Link](#)

TECH SUPPORT

If you need technical assistance at any time during the course or to report a problem you can contact LBCC'S Student Technology Help Desk (562) 938-4250, email: sthd@lbcc.edu or Distance Learning Center (562) 938-4818, email: dl@lbcc.edu

Computer Labs

Here is a link to our Academic Computing Centers: [LBCC Academic Computing Centers Link](#)

Admissions & Aid

Here is a link to the Admissions and Aid homepage for information regarding enrollment, financial aid and more: [LBCC Admissions and Aid Link](#)

Counseling

Here is a link to the Counseling homepage: [LBCC Counseling Link](#)

Student Affairs

Here is a link to the Student Affairs homepage for information about student clubs, events, Associated Student Body, scholarships, and more: [LBCC Student Affairs Link](#)

BASIC NEEDS

Any student who faces challenges securing their food or housing is urged to contact our Basic Needs office at basicneeds@lbcc.edu for support. Furthermore, please notify the professor if you are comfortable doing so. This will enable them to provide any resources that they may possess. The Viking Vault (food pantry) is providing drive-thru, Grab-n-Go distributions during campus closure, along with CalFresh information for monthly food benefits. Please join our Canvas page at [at this link](#) to find out when is our next event.

This syllabus is subject to change. Please come to class for updates.

TENTATIVE CALENDAR

Week	Week Beginning	Material Covered		
1	6/19/2023	Juneteenth Holiday 1.3, 1.4	/ Introduction, 1.1, 1.2 / Q1 , 2.1, 2.2, 2.3	
2	6/26/2023	2.4, 2.5 3.2, 3.3, 3.4	/ Q2 , 3.1, 3.2 / Q3 , 4.1, catch up & Review	
3	7/3/2023	Exam 1 4.2, 4.3	/ July 4th – No class / Q4 , 4.4, 5.1	Exam 1 (Ch 1,2,3)
4	7/10/2023	5.2, 5.3 5.6, 6.1 Review	/ Q5 , 5.4, 5.5 / Q6 , 6.2, catch up &	
5	7/17/2022	Exam 2 7.1, 7.3	/ 6.3, 6.4 / Q7 , 7.3, 8.1	Exam 3 (Ch 4,5)
6	7/24/2022	8.2, 8.3, 8.4 Review	/ Q8 , catch up & Review / Final Exam	Comprehensive Final Exam

June 25

Last day to add & to drop **without** a “W” grade

July 16

Last day to drop with a “W” grade

THIS CALENDAR MIGHT BE CHANGED.