

Math 240 Trigonometry Syllabus

Fall 2023 LOS ANGELES MISSION COLLEGE

Class Information

- Section #15825 (Lecture) Sat 8:00 AM - 11:10 AM Location: CMS 021
- Section #16537 (Laboratory) Sat 11:20 AM - 12:10 PM Location: CMS 021

Instructor information

- Instructor: José Avendaño Jr.
- Phone number: (818) 364-7600, ext. 4407
- Email: avendaj@lamission.edu
- Office hours & location: Sat 12:25 PM - 1:10 PM in CMS 021; or by appointment through Zoom

Course materials

Required Textbook & Courseware

- Free Digital Textbook - [OpenStax: PreCalculus](https://openstax.org/details/books/precalculus-2e) (Ch5 to Ch8), (<https://openstax.org/details/books/precalculus-2e>)
- Free Courseware - [MyOpenMath](https://www.myopenmath.com/) (<https://www.myopenmath.com/>)

Optional materials

A physical textbook is optional.

General information

Prerequisites

Intermediate algebra, the equivalent or higher, completed at the secondary or post-secondary level; or by meeting CA Title 5 CCR § 55063 math competency requirement of intermediate algebra, per LACCD AP4100.

Course Description

Introduces trigonometric functions, their graphs, inverses, and fundamental identities. Trigonometric equations are solved. The laws of sines and cosines; vectors; scalar and vector products are introduced. Polar coordinates and equations are introduced and used to represent complex numbers.

Course Organization

Math 240 course is composed of lectures, homework assignments, quizzes, 3-4 in-class tests, and a comprehensive final exam. During the lab, students will work on the lab assignments designed to support their understanding on various topics. Students must attend both lecture and lab to successfully complete the course. It is the students' responsibility to complete all course components by the required due dates. The course will follow the attached schedule as closely as possible. Students are expected to spend about 10-15 hours per week to study and to complete all assignments. Some students may need more time to do well in the course.

Student Learning Outcomes

Upon completion of this course, a successful student will be able to:

1. Examine and interpret the graphs of basic trigonometric functions and their transformation.
2. Apply concepts of trigonometry to solve problems involving trigonometric functions.

Assignments and Grading Policies

Homework Assignments through MyOpenMath

- Students enrolled in this Math 240 class are required to register with MyOpenMath online program and enroll in the course connected to Canvas. Since MyOpenMath is connected to Canvas, the course ID is not needed. Homework assignments, quizzes, practice exams, and other learning materials will be assigned online through this system.
- Students are expected to finish their homework assignments by the due dates. You should aim to score at least 80% on each homework. Since MyOpenMath does not grade each step of a student's work, it is important that students write down their solving steps clearly in a notebook to identify mistakes.

Lab/Discussions

- During the lab, students will discuss and complete the lab assignments designed to support their understanding on various topics. Students will have opportunities to share their ideas and ask questions.

Quizzes

- Students can take the online quizzes with multiple attempts before the due date. The highest quiz score from all attempts will be recorded.

Exams

- There will be 3-4 classroom exams. There will be no make-up examinations and any missed exam will receive a grade of 0.
- A comprehensive final exam will be given on **Saturday, 12/16/2023**. There is no make-up for the final and all students must take the final exam to pass the class. If the final exam score is higher than the lowest score of the classroom exams, it will be used to replace the lowest exam score.
- All exams will be based on examples worked in class, assigned homework and quizzes, and lab materials. All work must be shown in a logical manner with easy-to-follow steps to support any written responses for credit. A stand-alone scientific calculator and formula sheets provided by the publisher are allowed on exams.

Grade Categories

Category	Weight
Homework	15%
Quizzes	8%
Labs	7%
3-4 Exams	45%
Final	25%

Grades Distribution

Percentage	Grade
90 - 100 %	A
80 - 89 %	B
70 - 79 %	C
60 - 69 %	D
Below 60 %	F

For borderline cases, attendance, assignment completion, and level of improvement on the final are considered.

Important Dates

Last date to enroll with a permission number:	09/10/2023
Last date to drop this class without a “W”:	09/10/2023
Last date to drop with a “W” (By Internet Only):	11/19/2023
Final Exam:	12/16/2023, 7:30 AM - 9:30 AM

REMINDER: Course repetition is regulated by state guidelines, limiting students to a maximum of three enrollments in a course, to include both substandard grades and withdrawals, unless otherwise specified in the course description.

For other important dates, you can check out [Fall 2023 Calendar](#)

Policies/Expectations

Student Conduct and Discipline

Dishonesty, such as cheating or plagiarism, are violations of District policies and may result in disciplinary action. Student conduct and disciplinary policies (and students’ rights regarding these policies) are detailed in [BP 5500](#) Standards of Student Conduct and [AP 5520](#) Student Discipline.

Cheating

Unauthorized materials used during an examination (including electronic devices), changing answers after work has been graded, taking an exam for another student, forging or altering attendance sheets or other documents in the course, looking at another student’s paper/scantron/essay/computer or exam with or without their approval is considered cheating. Any student caught cheating will receive a zero for the assignment/exam and be referred to the Department chair and/or Student Services for further disciplinary action.

Attendance

Students are expected to attend all class meetings. Unexcused absences of two meetings may result in excluding students from class. Students themselves are responsible for dropping a class they no longer attend. The procedures for dropping classes are detailed in Los Angeles Mission College Catalog.

Withdrawal

If you stop attending the class (or wish to drop a class), you must drop the class yourself through the student portal - officially - on or before **11/19/2023**. Failure to do so may result in a grade of "F" in the class. The state policy limits students to three attempts per course. Receiving a grade or a "W" for a course counts as an attempt, regardless of when the course was taken. Withdrawal by the deadline to avoid a "W" will not count as an attempt. For Fall 2023, the deadline to avoid a "W" is **09/10/2023**.

Class comportment

- All students are expected to arrive on time. Late arrivals are disruptive to both the instructor and students. Once seated, do not leave the room until dismissed. Such comings and goings are also disruptive.
- Cell phones must be on silent mode and kept out of sight while in class. Cell phone ringing and text messaging create distractions.
- Students are encouraged to ask questions and make comments on the lecture material. This should be done in a courteous manner by raising one's hand and being recognized. Side conversations between students that disrupt the flow of the lecture will not be tolerated.
- Students are responsible for managing their academic workload. Should a student decide to stop attending class it is their responsibility to drop the class. All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not.

Tools

A scientific calculator is required. Graphing calculators, cell phones, and other forms of handheld computers are not allowed during in-class tests and the final.

Study the textbook

The textbook provides a reasonable level of mathematical rigor and many exercises are quite reveling. I strongly encourage you to read/study the text carefully. The lectures are designed as a supplement to, and not an alternative for, the textbook. Students are expected to master all topics in the textbook unless otherwise indicated.

Instructor Communication Policy

The preferable way to communicate with me is through the Canvas Inbox. You may also email me directly at avendaj@lamission.edu. Please be clear and specific with your questions or concerns. I will respond within 24 to 48 hours.

Netiquette (online etiquette) Guidelines

Please treat contributions made by your classmates with respect. For more information, read [Netiquette Rules for Canvas](#).

Additional information and resources

Tutoring and Support

- Free math tutoring is available via LAMC LRC Math Center. For the virtual tutoring session, you can find the [LRC Canvas course](#). Please visit the [LRC website](#) for more information.
- Net Tutors-24/7 online tutorial services that students can access through Canvas.

ADA/Disability Policies (including information on services available through DSPS office)

- [ADA/Disability Accommodations](#): LAMC is committed to providing equal opportunity to all students. If you have, or think you might have, a disability-related educational limitation, please contact the DSP&S Office. DSP&S provides special assistance in areas such as registering for courses, specialized tutoring, note-taking, mobility assistance, special instruction, testing assistance, special equipment, special materials, instructor liaisons, community referrals and job placement.
- Requesting accommodations for DSPS students: LAMC students with verified disabilities who are requesting academic accommodations should use the following procedure:
 1. Obtain documentation of your disability from a licensed professional. You can use the [LAMC Disability Verification Form](#). Students exiting high school can use their IEP as a qualifying document.
 2. Make an appointment with a Disabled Students Programs and Services (DSP&S) Counselor or Specialist to review your documentation and discuss reasonable accommodations. Please call DSP&S at (818) 364-7732 or use the Online Counter Support on the [DSP&S page](#) to schedule an eCounseling appointment.
 3. Bring your disability documentation to your DSP&S eCounseling appointment, which will be held through Cranium Café. Be sure to use a laptop or computer with Chrome or Firefox (no smart phones) and a working video camera and microphone.
 4. Every semester, you are required to meet with your DSP&S Counselor to review your academic progress and accommodation letter. After meeting with them, your written accommodation agreement will be emailed to your professor(s).

Please complete this process in a timely manner to allow adequate time to provide accommodation. Students who have questions with technology accessing Cranium Café or the webpage should send an email to Online Counter Support for further assistance; send an email to DSPSinfo@lamission.edu or email to [Adrian Gonzalez](#).

*Accessibility: For help with alternate format please contact Adrian Gonzalez in DSPS at email: assistivetechrequest@lamission.edu. Any student requesting alternate format must be approved for the accommodation.

Resources Available to Students at LA Mission College

Management of Stress and Mental Health:

If you, or someone you know is in distress due the pressure of succeeding in school and contending with work, financial issues, relationships, managing time effectively, getting enough sleep, etc., please visit the [Student Health Center \(SHC\)](#), which offers a broad range of confidential student services including counseling and mental health services. The SHC is located in the Student Services building, next to Business Office, and the phone number is 818-362-6182. The National Suicide Prevention Lifeline number is 800-273-8255.

[Basic Need Center](#): The Basic Needs Center supports students' well-being by providing referrals to various services.

[Associated Student Organization](#): Get involved in student government! Represent the student voice in campus government and organize clubs and events.

[CalWORKS](#): If you qualify for CalWORKS, you can get money for books/supplies and an array of support services to help you achieve self-sufficiency.

[Campus Sheriff](#): In the event of an emergency, you should call the campus sheriff; please put the number in your phone now: (818) 364-7843

[Counseling](#): Do you know what classes you need to reach your educational goals? Create a roadmap to success with an academic counselor!

[Disabled Students Programs & Services](#): DSPS is committed to developing strategies that provide equal opportunity and promote academic success for students with disabilities.

[EOP&S](#): We help economically and educationally underrepresented students to achieve their educational goal(s). If you qualify, you will receive benefits such as academic counseling, Student Educational plans, priority registration, transfer assistance, tutoring, cash & book grants, meal vouchers, and assistance with technology.

[Financial Aid & Scholarships Office](#): Find out if you qualify for financial aid (including federal and state grants, loans, work-study jobs, and scholarships) by talking to one of our financial aid specialists.

[Foster and Kinship Care/Guardian Scholars Programs](#): If you are a foster youth, or a foster/resource parent, we can help you—in English or Spanish—with training and advocacy for parents and support services for former/current foster youth students.

[Honors Program](#): Want to increase your chances of acceptance into a University? Take an Honors class!

[Learning Resource Center](#): Visit the LRC to get tutoring (both individual and group), topic-specific workshops, and review sessions -- all free of charge!

Math Center: Free Math tutoring, computer and internet access are available. Call (818) 364-7811 or visit CMS 121.

[STEM Program](#): For those interested in pursuing a science, technology, engineering and math degree, please call the STEM Office at (818) 364-4161.

[Library](#): Gain access to a wide range of information resources -- books, eBooks, magazines, journals, and newspaper articles from LA Mission College.

[Program Mapper](#): Access the online system that helps you decide on a major, determine exactly what classes you need for the degree or certificate you desire, plan out your schedule, and more!

[Pathway Coaches](#): A Pathway Coach supports students throughout their college experience from beginning to end, helping them with enrollment, financial aid, counseling, tutoring, and basic needs.

[Student Portal](#): Update your email address, view your schedule and grades from past semesters through the portal.

Fall 2023 Math 240 Tentative Schedule

Week	Date	Saturday
1	Sep 2	Intro, 5.1
2	Sep 9	5.2, 5.3
3	Sep 16	5.4, Review Ch 5
4	Sep 23	Exam 1 (Ch 5), 6.1
5	Sep 30	6.2
6	Oct 7	6.3, Review Ch 6
7	Oct 14	Exam 2 (Ch 6), 7.1
8	Oct 21	7.2, 7.3, 7.4
9	Oct 28	7.5, 7.6
10	Nov 4	Review Ch 7, 8.1
11	Nov 11	Exam 3 (Ch 7), 8.2, 8.8
12	Nov 18	8.3, 8.4
13	Nov 25	<i>Thanksgiving Weekend (No School)</i>
14	Dec 2	8.5, 8.6, 8.7, Review Ch 8
15	Dec 9	Exam 4 (Ch 8), Review for Final
16	Dec 16	FINAL EXAM (December 16, 7:30 – 9:30 AM)