Math 240 Trigonometry

For an accessible copy of the syllabus use the following link: Accessible Syllabus

Fall 2023 Class Details

Lecture - M01 (13972) Lab – M01A (16534)
Location: Mission-Internet 16-week Online Course (Canvas)
Prerequisite: 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; or by placement.

Instructor Contact Information

Instructor: Karineh Abed
Phone: (818) 833-3391
Email: abedk@lamission.edu
Website: http://www.lamission.edu/~abedk/6490

Remote Office hours:

Every Tuesday and Thursday	10am - 11am	Zoom Link: https://laccd.zoom.us/j/82785338463
		Or by appointment

I understand that you may not be able to make it to the office hours, so please do not hesitate to email me if you have any questions! For zoom office hours, upon entry you will be placed in the waiting room before moving into the main zoom session.

Fall 2023 IMPORTANT DATES:

Sunday, September 10 Deadline to enroll with a permission number

Sunday, September 10 Deadline to drop without a “W” notation

Sunday, November 19 Deadline to drop with a “W” notation on record
Last day to drop with a refund is 9/10/2023

General course description:

This course introduces trigonometric functions, their graphs, their inverses, and fundamental identities. Other topics include solving trigonometric equations, the laws of sines and cosines, vectors, polar coordinates and equations, parametric equations, modeling using trigonometric equations.

Student Learning Outcomes:

Students who successfully complete this course 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.

How to be Successful in this Course?

Requirements and Recommended Material for this course:

1. Notebooks:

   I recommend that you use two notebooks for this course. One for lecture notes and one for homework. Take organized notes as you study each section. Your notes will play an important role in preparing you for assessments. Homework is mostly online, but I encourage you when doing your online homework, have your homework notebook next to you. Write down the section number, the problem number and try your homework steps in your homework notebook before submitting your answers online. The best way to ask homework questions is to have your attempted work present!

2. Textbook:

Free Digital Textbook - OpenStax: PreCalculus (Ch5 to Ch8), https://openstax.org/details/books/precalculus-2e

Free Courseware – MyOpenMath, https://www.myopenmath.com/

3. Calculator:

A Scientific calculator is required. Any kind will do the job.

4. Flashcards/Highlighter/Straightedge:

While studying, take notes for definitions, important concepts, and in general anything that strikes you as important. You could also use your flashcards to write down the step-by-step process for a given problem. These flashcards will serve you when preparing for assessments. Highlighters or colorful pen/pencil are a good way to color-code your study material. A straightedge is recommended to take neat notes and to do homework problems.

5. MyOpenMath Access:

We will use Canvas integrated with MyOpenMath (a free educational resource). To access the assignments, you need to complete the registration for MyOpenMath online program and enroll in the course that's linked to Canvas. Since MyOpenMath is connected to Canvas, the course ID is not needed. Go to Canvas to access the e-book, other learning material, assignments and assessments. Homework assignments, quizzes, practice exams, and all other learning material will be assigned online through this system.

Online Class Components and Policies:

1. Chapter Tests and Final Exam:

There will be four tests each covering a certain chapter and a final comprehensive exam.
Chapter 5 Test due Sunday, 9/17 by 11:59pm
Chapter 6 Test due Sunday, 10/1 by 11:59pm
Chapter 7 Test due Sunday, 10/29 by 11:59pm
Chapter 8 Test due Sunday, 12/3 by 11:59pm

Final exam due Sunday, 12/10 by 11:59pm
There are no make-up chapter tests, nor a make-up final exam. To help you with your course grade, at the conclusion of the course, your lowest chapter test score will be replaced by your final exam score given that your final exam score is higher than your lowest chapter test score.

2. Online Homework and Practice Exams:

Homework should be completed daily. Practice exams should be completed at the conclusion of each chapter and before taking the chapter tests. You can conveniently access the homework and practice exams from Canvas from the weekly modules. Since MyOpenMath does not grade each step of your work, it is important that you write down your step-by-step work in your homework notebook**.** This will be extremely helpful when you return to these questions to study.
At the conclusion of the course, I will drop two low score homework or practice exam assignments to help you with your course grade.

3. Online Quizzes:

There will be four chapter quizzes each covering a certain chapter. These quizzes are a good form of self-assessment for the weekly learning material. Quizzes are not timed, and you can take them as many times as you like up until the due date. The system will always keep the best score of your attempts.
At the conclusion of the course, I will drop the lowest score chapter quiz to help you with your course grade.

4. Peer Discussion Forums:

These graded discussion forums promote an online learning community. These discussion posts generally have two due dates. The individual posts are due Fridays, peer review/feedback posts are due Sundays.
Under weekly modules you will also see 'Homework Help Forums'. **Weekly Homework Help Forums** are **not graded**, rather they are there for you to post any questions you might have from that week's study material. You should check these forums continuously as your peer's question could also be your question. These forums are an excellent weekly learning environment, feel free to provide hints and feedback to your

peers as you see questions being posted. I will be reviewing these forums and giving hints or feedback daily.

5. Standards for Student Conduct:

Dishonesty, such as cheating or knowingly furnishing false information to instructors and college personnel, turning in work that is not one's own will be grounds for disciplinary action at LAMC according to the Standards of Student Conduct as described on the LAMC Catalog. The penalty may range from no credit for the assignment up to an "F" grade in the course and disciplinary action. Students are expected to adhere to all school policies, and to abide by the standards of student conduct as described in the LAMC catalog. Any infringement upon the rights of other students in the class will not be tolerated. Please refer to LACCD Board Rule 9800 for further information.

6. Exclusion Policy:

If you fail to login to Canvas and complete the orientation and the expected assignments during the first week of the course, you will be excluded from the course as a 'No show'. After that, I may still drop you for lack of activity (not logging into Canvas and not submitting assignments for consecutive weeks). If you wish to drop the class, you must drop the class yourself, officially. Failure to do so may result in a grade of "F" in the class. A new state policy in effect as of 2012 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. Withdraw by the deadline of 9/10/2023 to avoid a "W". For Fall 2023 the deadline to drop with "W" is November 19, 2023. The procedures for dropping classes are detailed in the current Los Angeles Mission College Catalog.

7. Communication Policy:

Pay attention to my emails and canvas announcements, which will be my main communication channel to you.
You can use the inbox option in Canvas to communicate with me. I respond to emails within 24 hours with the exception of weekends and Holidays.

8. Participation:

This is an online course and all of our interactions will occur in Canvas. All of us in this class have a responsibility to create an environment in which we can learn from each other, the goal is to create an online learning community! Everyone is expected to

participate, interact with peers and contribute to various discussion forums so that we can all benefit from the insights and experiences that each person brings. Expect frequent communication and feedback from me via inbox message, announcements, assignment feedback, and discussion forums. Ultimately, we will regularly and substantively interact with each other many times each week, throughout the term.

Grading system:

Homework and Practice Exams **15%**
Chapter Quizzes **20%**
Peer Discussions **10%**
Chapter Test **40% (10% each)**
Final Exam **15%**

90 - 100% A
80 - 89% B
70 - 79% C
60 - 69% D
0 - 59% F
For borderline cases, assignment completion, participation, and level of improvement on various assignments are considered.

Gradebook Access: To view your grade in the course at any time during the semester, click on the "Grades" navigation tab in Canvas. **We do not use the gradebook in MyOpen Math.**

Free Tutoring:

Free math tutoring is available via LAMC LRC Math Center. Click 'LAMC Tutoring' navigation tab in Canvas to be connected to the tutoring center.

Success and Study Tips:

A minimum of 8 hours per week study time is expected for the course. Students who are most successful in this course are those who complete all the assignments in a timely manner, thoughtfully review feedback, take advantage of free tutoring offered by LAMC,

these students are also highly organized and disciplined. Students who grow their abilities the most also make use of our online learning community (the weekly discussion forums) and are quick to reach out when they find themselves struggling.

Accommodations for DSPS students:

LAMC students with verified disabilities who are requesting academic accommodations should use the following procedure:

i) 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.

ii) 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.

iii) 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.

iv) 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; contact Adrian Gonzalez at gonzala@lamission.edu or Rachel Povolotsky at povolor@lamission.edu.

Management of Stress and Mental Health:

If you, or someone you know is in distress due to 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 Administrative Services Building. The SHC webpage is lamission.edu/healthcenter and the phone number is 818-362-6182. The National Suicide Prevention Lifeline number is 800-273-8255.

Resources:

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 or 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, please call the STEM Office at (818) 364-4161.

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.

Suggested study timeline for Math 240 Fall 2023

(For due dates refer to each assignment)

Week 1 Aug 28 - Sep 3 Suggested Plan	
Monday	Complete Course Orientation; Familiarize yourself with course modules and expectations. **Submit the Orientation Quiz** to avoid being excluded from the course. Introduce yourself and engage with your peers via **Peer Meet and Greet** forum**.**
Tuesday	Start Studying Section 5.1; You can choose from various learning materials available to you. I recommend you read the textbook and practice the book examples first, as you practice the book examples write down the steps involved in answering a given question, then go through video lessons and example videos as needed. If you have time, complete the optional video assignments first then complete the required homework assignment. Don't wait to complete the homework/quiz last minute.
Wednesday	Complete section 5.1
Thursday	Start Studying Section 5.2
Friday	Use '**Peer Meet and Greet' forum to Introduce yourself** (come back to this forum on Sunday, to review your peer's posts and engage with them) Complete Section 5.2
Saturday	Catch up with unfinished work
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week). **Revisit the Peer Meet and Greet forum to communicate and engage with your peers.**

Week 2 Sep 4 - Sep 10 Suggested Plan	
Monday	Holiday
Tuesday	Start Studying Section 5.3
Wednesday	Complete Section 5.3
Thursday	Start Studying Section 5.4
Friday	No peer discussion this week Complete Section 5.4
Saturday	Catch up with unfinished work.
Sunday	Circle back to peer discussion forum for Project 0 and review your peers' comments. Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week).

Week 3 Sep 11 - Sep 17 Suggested Plan	
Monday	Start Preparing for Chapter 5 Test
Tuesday	Complete Quiz for Chapter 5
Wednesday	Complete Ch. 5 Practice Exam
Thursday	Catch up with unfinished work.
Friday	Visit the discussion forum for **'Test Prep for Chapter 5 Test'** and complete the required tasks.
Saturday	Work on Chapter 5 Test
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week). **Circle back to the discussion forum for Test Prep to engage with your peers and complete the peer review.** **Chapter 5 Test Due!**

Week 4 Sep 18 – Sep 24 Suggested Plan	
Monday	Start Studying Section 6.1
Tuesday	Complete Section 6.1
Wednesday	Start Studying Section 6.2
Thursday	Complete Section 6.2
Friday	Visit the **peer discussion forum for 'Applied Trig'** and complete the required tasks.
Saturday	Catch up with unfinished work.
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week). **Circle back to the 'Applied Trig' peer discussion to engage with your peers and complete the peer review.**

Week 5 Sep 25 – Oct 1 Suggested Plan	
Monday	Start Studying Section 6.3
Tuesday	Complete Section 6.3
Wednesday	Start Preparing for Chapter 6 Test Complete Quiz for Chapter 6

Thursday	Complete Ch. 6 Practice Exam
Friday	Visit the discussion forum for **'Test Prep for Chapter 6 Test'** and complete the required tasks.
Saturday	Work on Chapter 6 Test
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week). **Circle back to the discussion forum for Test Prep to engage with your peers and complete the peer review.** **Chapter 6 Test Due!**

Week 6 Oct 2 – Oct 8 Suggested Plan	
Monday	Start Studying Section 7.1
Tuesday	Complete Section 7.1
Wednesday	Start Studying Section 7.2
Thursday	Complete Section 7.2
Friday	No peer discussion this week
Saturday	Catch up with unfinished work.
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week).

Week 7 Oct 9 – Oct 15 Suggested Plan	
Monday	Start Studying Section 7.3
Tuesday	Complete Section 7.3
Wednesday	Start Studying Section 7.4
Thursday	Complete Section 7.4
Friday	Visit the **peer discussion forum for 'Applied Trig'** and complete the required tasks.
Saturday	Catch up with unfinished work.
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week). **Circle back to the 'Applied Trig' peer discussion to engage with your peers and complete the peer review.**

Week 8 Oct 16 – Oct 22 Suggested Plan	
Monday	Start Studying Section 7.5
Tuesday	Complete Section 7.5
Wednesday	Start Studying Section 7.6
Thursday	Complete Section 7.6
Friday	No peer discussion this week
Saturday	Catch up with unfinished work.
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week).

Week 9 Oct 23 – Oct 29 Suggested Plan	
Monday	Start Preparing for Chapter 7 Test
Tuesday	Complete Quiz for Chapter 7
Wednesday	Complete Ch. 7 Practice Exam
Thursday	Catch up with unfinished work.
Friday	Visit the discussion forum for **'Test Prep for Chapter 7 Test'** and complete the required tasks.
Saturday	Work on Chapter 7 Test
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week). **Circle back to the discussion forum for Test Prep to engage with your peers and complete the peer review.** **Chapter 7 Test Due!**

Week 10 Oct 30 – Nov 5 Suggested Plan	
Monday	Start Studying Section 8.1
Tuesday	Complete Section 8.1
Wednesday	Start Studying Section 8.2
Thursday	Complete Section 8.2
Friday	No peer discussion this week

Saturday	Catch up with unfinished work.
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week).

Week 11 Nov 6 – Nov 12 Suggested Plan	
Monday	Start Studying Section 8.8
Tuesday	Complete Section 8.8
Wednesday	Start Studying Section 8.3
Thursday	Complete Section 8.3
Friday	Holiday
Saturday	
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week).

Week 12 Nov 13 – Nov 19 Suggested Plan	
Monday	Start Studying Section 8.4
Tuesday	Complete Section 8.4
Wednesday	Start Studying Section 8.5
Thursday	Complete Section 8.5
Friday	No peer discussion this week
Saturday	Catch up with unfinished work.
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week).

Week 13 Nov 20 – Nov 26 Suggested Plan	
Monday	Start Studying Section 8.6
Tuesday	Complete Section 8.6
Wednesday	Catch up with unfinished work.

Thursday	Holiday
Friday	Holiday
Saturday	Holiday
Sunday	Holiday

Week 14 Nov 27 – Dec 3 Suggested Plan	
Monday	Start Studying Section 8.7
Tuesday	Complete Section 8.7
Wednesday	Start Preparing for Chapter 8 Test Complete Quiz for Chapter 8
Thursday	Complete Ch. 8 Practice Exam
Friday	Visit the discussion forum for **'Test Prep for Chapter 8 Test'** and complete the required tasks.
Saturday	Work on Chapter 8 Test
Sunday	Catch up with unfinished work; Look at next week's expectations and plan ahead (create a study plan for next week). **Circle back to the discussion forum for Test Prep to engage with your peers and complete the peer review.** **Chapter 8 Test Due!**

Week 15 Dec 4 – Dec 10 Suggested Plan	
Monday	Start Preparing for the Final Exam
Tuesday	Complete Final Exam Review
Wednesday	Catch up with unfinished work.
Thursday	Catch up with unfinished work.
Friday	Visit the discussion forum for **'Final Exam Review'** and complete the required tasks.
Saturday	Work on the final draft
Sunday	**Circle back to the discussion forum for final exam review to engage with your peers and complete the peer review.** **Final Exam Due Monday December 11 by 11:59pm!**