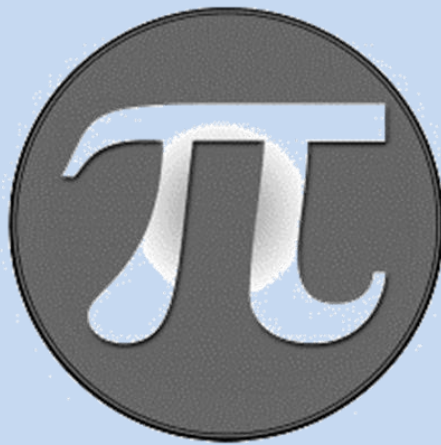PALOMAR COLLEGE
Learning for Success

Trigonometry
Math 115
Hybrid Course

PALOMAR COLLEGE
Math & Science Learning Center

Student Handbook
Summer 2025

MyLab | Math

Student Registration Instructions for Canvas

First, enter your Canvas course

1. Sign into Canvas and enter your Canvas course.
2. Click on MyLab Math icon on the homepage or Access Pearson on the side menu.
3. Sign on and purchase the course material.

Note: If you can't pay for the access code right away, you can get a **temporary access without payment for 14 days** by clicking on the temporary access in blue.

Next, get access to your Pearson course content

1. Enter your Pearson account **username** and **password** to **Link Accounts.**
   You have an account if you have ever used a MyLab or Mastering product.

   » If you don't have a Pearson account, select **Create** and follow the instructions

2. Select an access option:

   » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
   » If available for your course,
   - Buy access using a credit card or PayPal.
   - Get temporary access.

   If you're taking another semester of a course, you skip this step.

3. From the You're Done page, select **Go to My Courses.**

Note: you always need to enter your MyLab Math course through Canvas.

Get your computer ready

For the best experience, check the system requirements for your product at
https://www.pearsonmylabandmastering.com/system-requirements/

Need help?

For help with MyLab Math for Canvas, go to
https://help.pearsoncmg.com/integration/cg/canvas/student/en/content/get_started.htm

Math & Science Learning Center

Palomar College is dedicated to serving the needs of a wide variety of students by offering many alternative learning opportunities. One is the Hybrid Course offered through the Math & Science Learning Center (MSLC). The Center offers College Algebra, Trigonometry, and Calculus for Business and Social Sciences courses in a Hybrid format. The Hybrid format offers students the opportunity to complete a mathematics course in less than one semester or to finish two courses in a semester (This option is for Fall and Spring Semester ONLY).

Location	Math & Science Learning Center (LRC - 318) and Online meetings (Zoom: https://palomar-edu.zoom.us/j/93713198344)
Telephone	(760) 744 - 1150 Ext. 2718 *Note: We encourage you to use the email to communicate with us instead of phone calls.*
Web Page	https://www2.palomar.edu/mslc/

In person (Face-to-Face) Tutoring	Monday – Thursday Friday – Sunday	8:00 am – 5:00 pm Closed	*Students must come to the Math & Science Learning Center (LRC- 318) for taking exams. Face -to-Face tutoring is available to students. No appointment needed.*
Virtual (Online) Tutoring	Monday – Thursday Friday - Sunday	8:00 am – 5:00 pm Closed	*You may access the Virtual Tutoring through your Canvas portal for this course or using the following link:* https://palomar-edu.zoom.us/j/93713198344

Math & Science Learning Center Faculty & Tutors	Email	Phone Number
Director & Instructor of Record *Prof. Yuan-Lin (Annie) Lee*	*ylee@palomar.edu*	(760) 744 – 1150, ext. 2718
Tutors	*The schedule for the tutors is available at the Math & Science Learning Center.*	
Instructors on Duty	*Their schedules will be posted on the Math & Science Learning Center website* https://www2.palomar.edu/mslc	

For security and privacy reasons, students must use their Palomar Student email account when communicating with the instructors or requesting help in the course. Otherwise, you may not receive help.

Deadlines	To drop without any notation or a grade – June 20, 2025
	To drop with a "W" grade – July 06, 2025
	To petition for Audit the course – June 21, 2025
	To petition for P/NP grade – July 31, 2025
Holidays	Juneteenth – June 19, 2025; Independence Day – July 4, 2025

Requirements for Success in a Hybrid Course:

- ## Self-Motivation

  Students who are not self-motivated, often fail to keep up with the course schedule and end up failing the course or being dropped from the class.

- ## Self-Discipline

  As you will not be in a physical classroom, you need to have the self-discipline to follow the course schedule and complete the requirements of the course in a timely manner.

  A student should watch assigned digital videos, read e-text, and assigned homework to get ready for the Review Tests and Exams.

- ## Good Time-Management Skills

  Students should make a weekly study-schedule that is in line with the schedule given in this handout. If the student is not able to complete the requirements for some unforeseen circumstance beyond his/her control, he/she should contact the Math & Science Learning Center Director immediately. Students who fail to complete the requirements on a weekly basis may be dropped from the course.

- ## Good Reading and Communication Skills

  Student must have the reading and communication skills that are required for a college-level course as he/she needs to read the e-textbook and follow the directions or if necessary, ask for clarifications.

MATH 115 Syllabus

Instructor of Record:

> *Prof. Yuan-Lin (Annie) Lee - Director of the Math & Science Learning Center*

Course Objective:

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

1. Define the six trigonometric functions of real numbers in the context of the unit circle and use these functions to compute the measurements of a right triangle.
2. Analyze trigonometric functions and equations geometrically, numerically, graphically, and analytically.
3. Explain and synthesize trigonometric concepts.
4. Analyze, solve and interpret solutions to trigonometric equations.
5. Apply trigonometric functions to application problems and interpret results in context.
6. Interpret and apply graphic, numeric and analytic representations of complex numbers in trigonometric form and apply the DeMoivre's Theorem to find the nth power and nth roots of complex numbers.
7. Analyze, verify, and apply trigonometric identities.

Student Learning Outcomes (SLOs):

1. **Applications of Right Triangle Trigonometry:** Use trigonometric functions to solve application problems involving unknown sides of right triangles.
2. **Trigonometric Equations:** Be able to solve equations involving trigonometric functions.
3. **Trigonometric function values:** Analytically evaluate the six trigonometric functions of angles of measures that are multiples of 30 degrees and 45 degrees.
4. **Trigonometric Identities:** Use basic identities to verify trigonometric identities or to simplify trigonometric expressions.

Required e-book package:

Algebra & Trigonometry with Interactive Assignments 4th Edition by Kirk Trigsted; ISBN 9780138123178

Note: Please refer to page 2 of this handbook for how to access and purchase online course material.

Attendance (Time Required):

- Each semester unit requires 16 hours of instruction, 32 hours of homework and preparation for a total of 48 hours per semester. This means for this three-unit course **you need to allot about 18 hours per week for the 8 weeks** (48 hours/unit *3 units = 144 hours/8 weeks) during this semester. Depending on your preparation, this may be slightly less or slightly more.
- You are required to attend **3 hours** per week at the Math & Science Learning Center, Third Floor of the Library – LRC 318 and study 15 hours per week at home.
- If you are taking this class under the assumption that you will not have to submit any assignments, you are wrong. There will be weekly homework assignments, Review Tests, Exams and other assignments assigned by the Director to help you learn the topics.
- If you decide to withdraw from the course, be sure to drop the class by logging onto MyPalomar. Do not expect the Math & Science Learning Center Director to automatically drop you from the course.
- All assignments are to be done online prior to their deadlines.

Note: You should try to be ahead of the published schedule so that you may either be able to finish the course earlier or spend more time to master the topics coming later in the course that may be less familiar to you.

Grading Policy:

The course grade will be based on the following:

		Homework	Review Tests	Exams	Final Exam	
# 1	Chapter 6	5.5%	2.5%	12%	Chapters 6 – 11	
# 2	Chapter 7	5.5%	2.5%	12%		
# 3	Chapters 8 & 9	5.5%	2.5%	12%		
# 4	Chapters 10 & 11	5.5%	2.5%	12%		
Total		22%	10%	48%	20%	100%

Homework Assignments: Four assignment sets, 22% of the total grade.

Review Tests: Four online tests, 10% of the total grade.

Exams: 4 exams, 48% of the total grade.

Final Exam: 20% of the total grade.

*Note: The Final Exam is **comprehensive** and **mandatory**.*
Note: If you do not do your Homework assignment, take an Exam or Review test, you will receive a grade of zero (0) for that Homework assignment, Exam or Review Test.

Letter Grade will be assigned as follows:

A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Math 115

Homework, Review Tests, and Exams Schedule

Exam	Chapters	Homework Assignment Deadline	Review Test Latest Starting Date *	Exam Deadline 1st attempt	Exam Deadline 2nd attempt
#1	6	Mon, June 16	Tue, June 17	Wed, June 18	Mon, Jun 23
#2	7	Mon, June 30	Tue, July 1	Thu, July 3	Mon, July 7
#3	8 & 9	Sat, July 12	Mon, July 14	Tue, July 15	Thu, July 17
#4	10 & 11	Tue, July 22	Wed, July 23	Thu, July 24	Mon, July 28
Final Exam	6 – 11	Thursday, Jul 31, 2025			

* You can take each Review Test as many times as you wish. The highest score will be counted toward your grade. Each Review Test is very similar to the corresponding Exam. If you receive a score of 80 or better on the Review Test, without any help or notes, you are ready to take the actual Exam. Otherwise, it is recommended that you review the material again and retake the Review Test until you are comfortable with the topics.

Math 115 - Course Schedule

Week	Dates (Mon – Sat)	Sections & Activities	Assignments & Exams Deadlines
1	Jun 09 – Jun 15	Sections 6.1, 6.2, 6.3, 6.4, 6.5, 6.6	
2	Jun 16 – Jun 22	Complete Homework Assignment # 1 Take Review Test # 1 **(take it several times)** Take Exam # 1 Sections 7.1, 7.2	Homework Assignment # 1 – **6/16** Review Test # 1 – **6/17** Exam # 1 (**1ˢᵗ attempt**) – **6/18**
3	Jun 23 – Jun 29	If needed, take Exam # 1 again Sections 7.3, 7.4, 7.5	Exam # 1 (**2ⁿᵈ attempt**) – **6/23**
4	Jun 30 – Jul 06	Complete Homework Assignment # 2 Take Review Test # 2 **(take it several times)** Take Exam # 2 Sections 8.1, 8.2, 8.3, 8.4	Homework Assignment # 2 – **6/30** Review Test # 2 – **7/1** Exam # 2 (**1ˢᵗ attempt**) – **7/3**
5	Jul 07 – Jul 13	If needed, take Exam # 2 again Section 8.5, 9.1, 9.2, 9.3, 9.4 Complete Homework Assignment # 3	Exam # 2 (**2ⁿᵈ attempt**) – **7/7** Homework Assignment # 3 – **7/12**
6	Jul 14 – Jul 20	Take Review Test # 3 **(take it several times)** Take Exam # 3 If needed, take Exam # 3 again Sections 10.1, 10.2, 10.3, 10.4	Review Test # 3 – **7/14** Exam # 3 (**1ˢᵗ attempt**) – **7/15** Exam # 3 (**2ⁿᵈ attempt**) – **7/17**
7	Jul 21 – Jul 27	Sections 10.5, 11.1, 11.2, 11.3, 11.4, 11.5 Complete Homework Assignment # 4 Take Review Test # 4 **(take it several times)** Take Exam # 4	Homework Assignment # 4 – **7/22** Review Test # 4 – **7/23** Exam # 4 (**1ˢᵗ attempt**) – **7/24**
8	Jul 28– Jul 31 (Thu)	If needed, take Exam # 4 again Review for the Final Exam Take Final Exam	Exam # 4 (**2ⁿᵈ attempt**) – **7/28** Final Exam – **7/31 (Thu)**

Final Exam: Thursday, July 31, 2025

How to Start Your Class *(Please read this section before working on MyLab Math)*

1. Follow the instructions on page 2 of this Handbook to register for PearsonMyLab through Canvas
2. The e-book is available on PearsonMyLab
3. Video lectures are available on PearsonMyLab

Now let's get started with our course:

You will have four types of assignments.

1. Homework – Homework includes Interactive Assignments and Section Homework.

   Interactive Assignments – You will watch digital video lectures of one objective at a time. Pay careful attention and take good notes. At the end of each objective, you will be doing example problems and entering the answers on MyLab. This is more like the in-class assignments you do while in class. Keep your notes so that you can review it when you study for the exams. You have a SAVE button if you need to pause and come back to the assignment.

   Section Homework – After completing the lectures and in-class assignments all objectives in a section, you will do the homework for that section. Try to do them without any sort of help. This will help you know if you understood the lecture. If you have difficulty doing the homework, watch the lecture again or get help.

   Note: Homework worth 25% of your final grade. Each Homework set is due before the corresponding Review Test. Homework problems will prepare you for both the Review Tests and Exams.

2. Review Tests – After chapters, you will take the review test covering the chapters. Review tests are similar to the exams. Do it as many times as you like (study the topics in between, especially the ones you missed on the review test). You should get a minimum of 80% on each review test.

   Note: Review Tests worth 10% of your final grade. Each Homework set is due before the corresponding Review Test. Homework problems will prepare you for both the Review Tests and Exams.

3. Exams – After doing steps 1 – 2, you will go to the Math & Science Learning Center (LRC- 318) to take the actual exam. Bring your photo ID with you.

   Note: If you do not do well on an Exam, make sure that you review your Exam with the instructor or you can review each Exam by clicking on Gradebook tab in PearsonMyLab, and then take it again. You have two attempts for each Exam.

Exam Procedure:

All exams are to be taken in the Math & Science Learning Center (Third Floor of the Library – LRC 318).
Exams are administered in the Math & Science Learning Center during the following hours:

Monday	*8:00 am – 5:00 pm*
Tuesday	*8:00 am – 6:00 pm*
Wednesday	*8:00 am – 5:00 pm*
Thursday	*8:00 am – 5:00 pm*

Note: **Please make sure you start your exam no later than 3 pm.**

- You need to bring a picture ID. (Example: Palomar ID, Driver's License, Passport, Military ID, etc.)
- A Graphing calculator is required.
- Each exam contains 20 questions; Final Exam contains 30 questions.
- **Exams are not timed. However, you will have to submit it before the Math & Science Learning Center closes.**
- Allow yourself about three hours to complete each Exam and four hours to complete the Final Exam.
- Follow the given schedule to complete your course on time successfully.
- Show work in an orderly manner neatly on separate sheet(s) of paper.
- Each Exam is similar to the corresponding Review Test. Any questions or doubts or any clarification must be asked prior to taking the Exam.
- If you are not satisfied with the score on the first attempt, you may take it again one more time. The best score on the two attempts will be used to calculate your final grade.
- Exams will be monitored by the Math & Science Learning Center staff and via security cameras in the proctoring room. Please know that you, your surroundings, and all your activities on the computer will be recorded and I will review it after you have taken the exam. Any inappropriate action will result in your disqualification and your score will be zero. You will not be allowed a retake.

Exam Results/Review:

- The results of your Exam will be ready immediately after submitting the exam on PearsonMyLab (under the **Gradebook** tab).
- How to Review your Exam
  - Go to your Canvas course
  - Click on Access Pearson (in the left menu) or the icon on the homepage of Canvas
  - Click on Open Pearson (the golden colored button) and then Open MyLab & Mastering
  - Click on Gradebook (in the left menu)
  - Click on the Review link next to the Review Test or Exam you need to review
- Review your exam. If there is any issue in the way your exam is graded, please bring it to Math & Science Learning Center Director's attention. The Director will review your work and issue credit, if necessary.
- Any change in your exam score can ONLY be done by the Math & Science Learning Center Director.

Drop Policies:

- You could be dropped, for not completing the assignments on time.
- You could be dropped for not doing your HW assignments, not taking Review Tests and/or not taking Exams.

Americans with Disabilities Act:

In compliance with the Americans with Disabilities Act, the Palomar Community College District will provide reasonable accommodation whenever possible to facilitate access to and participation in its services, programs, facilities and activities. If you need any such accommodation, e-mail the Director immediately.

Academic Integrity Code of Conduct:

Academic Integrity is a code of conduct for students that requires honest and ethical academic endeavor.
If a student is found cheating on an exam, he/she will receive a grade of "F" for that exam, and the exam cannot be repeated.

Incomplete Grade:

- You may petition for an incomplete grade "I" by emailing the Math & Science Learning Center Director.
- The incomplete grade "I" may be assigned for unforeseeable, emergency, and justifiable reason.
- You must have completed 60% to 70% of the course material with an average of 70% or better.