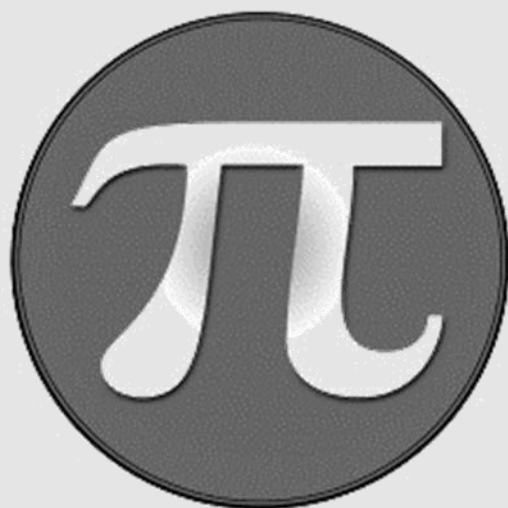




Just-in-Time Support for College Algebra

MATH 11



**PALOMAR
COLLEGE**

Math & Science
Learning Center

Student Handbook Fall 2026

Hybrid Math 11: Just in Time Support for College Algebra

This course focuses on reviewing the core prerequisite skills, competencies, and concepts needed for success in College Algebra. It is designed to provide just-in-time academic support for students concurrently enrolled in Math 110: College Algebra. Throughout the course, college success strategies are integrated with mathematical content to promote student achievement.

Location: LRC – 318

Online Meetings: Zoom: <https://palomar-edu.zoom.us/j/93713198344>

Telephone: (760) 744 - 1150 Ext. 2718

(We encourage you to use the email to communicate with us instead of phone calls.)

Webpage: <https://www2.palomar.edu/mslc/>

In Person (face to face) Tutoring:

Face -to-Face tutoring is available to students. No appointment needed.

Mon – Thu 9:00 am – 7:00 pm

Fri 9:00 am – 2:00 pm

Sat 9:00 am – 1:00 pm

Sun Closed

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

Director and Instructor on Record

Yuan-Lin (Annie) Lee; ylee@palomar.edu; (760) 744 - 1150 Ext. 2718

Instructors on Duty & Tutors

A schedule of faculty on duty and tutors is available at the MSLC.

Please check with the counter staff.

Deadlines

To drop without any notation or a grade – **September 7**

To drop with a “W” grade – **October 18**

To petition for Auditing the course – **September 14**

To petition for P/NP grade – **December 18**

Holidays

Labor Day – September 7

Native American Day – September 25

Veterans’ Day – November 9

Thanksgiving Break – November 23 thru November 28

Mandatory In-Person Orientation

Orientation:

You are required to attend a mandatory in-person orientation at the Math & Science Learning Center, Palomar College (LRC-318) on the San Marcos campus. The orientation will take approximately 30 minutes. Orientation sessions will be held in the Math & Science Learning Center on **Wednesday, August 26, and Thursday, August 27, between 9:30 a.m. and 2:00 p.m.** You may attend any 30-minute session during those hours. **Please sign in at the front desk upon arrival.**

Concurrent Enrollment in Math 110 is required.

As this is a support course for Math 110, only students who are currently enrolled in Math 110 (College Algebra) are allowed to be in this course. If you are taking a math course other than Math 110, support is available through the Math & Science Learning Center (LRC-318). Please seek advice from the Director.

Each unit requires 16 hours of instruction, 32 hours of homework and preparation for a total of 48 hours. This means for this two-unit course **you need to allot about 6 hours per week for the 16 weeks** (48 hours/unit *2 units = 96 hours/16 weeks) during this semester.

Depending on your preparation, this may be slightly less or slightly more.

You are required to attend a minimum 2 hour per week at the Math & Science Learning Center (LRC-318) and you may study the remaining hours each week at home

During your time in the MSLC, you will check in at the counter and meet with the director or the instructor on duty. We will review your progress in the course and prescribe any necessary corrective steps to help you stay on track and be successful. We may also give you a short quiz to assess your understanding. During exam weeks, you will use this time to take the corresponding exam.

Math 11 Syllabus

Instructor of Record:

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

Course Objectives:

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

1. Formulate algebraic models to represent relations from tables, graphs, and problem situations;
2. Investigate and compare multiple representations of a function;
3. Analyze linear, quadratic, exponential, and logarithmic functions from graphic, numeric, and symbolic perspectives;
4. Solve application problems involving linear, quadratic, exponential, and rational relationships and interpret the solutions;
5. Identify and apply principles of algebraic manipulation necessary to rewrite expressions and equations in alternate forms;
6. Apply critical thinking and mathematical reasoning skills necessary in algebraic problem solving.

Student Learning Outcomes (SLOs):

1. Analyze and solve a precalculus level problem using analytic methods.
2. Sketch the graph of a precalculus level problem using skills beyond plotting a table of points.
3. Demonstrate knowledge of affective domain and study skills.

Required e-book package:

No textbook is required for this course. All lessons and course materials will be provided through Canvas.

Attendance:

- Each unit requires 16 hours of instruction 32 hours of homework and preparation for a total of 48 hours. This means for this two-unit course **you need to allot about 6 hours per week for the 16 weeks** (48 hours/unit * 2 units = 192 hours/16 weeks) during this summer session. Depending on your preparation, this may be slightly less or slightly more.
- You are required to attend **2 hours per week** at the Math & Science Learning Center (Third Floor of the Library – LRC 318) and study the remaining 5 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 homework assignments, Review Quizzes, 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.

Grading Procedures:

The course grade will be based on the following components:

1. **Study Skills (10%).**
2. **Assignments (40%)**
3. **Unit Quizzes (50%)**

This course includes interactive assignments, quizzes, short review tests, etc. You will start the course on Canvas and move through the topics sequentially. Your final grade will be based on completion on the assignments and your performance in the quizzes.

Study Skills Topics

Understand how the brain works
Mindset - Changing your view
Dealing with Math Anxiety
The Study Circle
Six Strategies for Effective Learning

Review Topics

Unit 1: Review Linear Equations and Inequalities

- Linear Equations
- Absolute Value Equations
- Inequalities

Unit 1 Quiz

Unit 2: Review Functions and Polynomials

- Functions
- Polynomials

Unit 2 Quiz

Unit 3: Review Factoring

- GCF and Factoring
- Factoring Trinomials
- Special Products
- Factoring Strategies

Unit 3 Quiz

Unit 4: Review Solving Quadratic Equations

- Solve by Factoring
- Quadratic Formula

Unit 4 Quiz

Unit 5: Review Rational Expressions

- Compound Rational Expressions
- Reducing Rational Expressions
- Multiplying and Dividing Rational Expressions
- Adding and Subtracting Rational Expressions

Unit 5 Quiz

Each unit consists of a lecture video followed by a quiz. You will need to score a minimum of **80%** on all quizzes.

Tentative Course Schedule

The following schedule is designed for you to complete this review in about eight weeks. However, we urge you to work faster and finish the review early so that you will be prepared faster for the College Algebra (Math 110) you are concurrently enrolled and dedicate more time to the ‘new’ topics covered in that course.

Week 1 Aug 24 – Aug 29

- *Study Skills Topics*
 - How the brain works
 - Mindset - Changing your view
 - Math Anxiety

Week 2 Aug 31 – Sept 5

- *Study Skills Topics*
 - The Study Circle
 - Six Strategies for Effective Learning
- *Review Topics*
 - Linear Equations

Week 3 Sept 7 – Sept 12

- *Review Topics*
 - Absolute Value Equations
 - Inequalities

Unit 1 Quiz

Week 4 Sept 14 – Sept 19

- *Review Topics*

- Functions
- Polynomials

Unit 2 Quiz

Week 5 Sept 21 – Sept 26

➤ *Review Topics*

- GCF and Factoring
- Factoring Trinomials

Week 6 Sept 28 – Oct 3

➤ *Review Topics*

- Special Products
- Factoring Strategies

Unit 3 Quiz

Week 7 Oct 5 – Oct 10

➤ *Review Topics*

- Solve by Factoring
- Quadratic Formula

Unit 4 Quiz

Week 8 Oct 12 – Oct 17

➤ *Review Topics*

- Compound Rational Expressions
- Reducing Rational Expressions

Week 9 Oct 19 – Oct 24

➤ *Review Topics*

- Multiplying and Dividing Rational Expressions
- Adding and Subtracting Rational Expressions

Unit 5 Quiz

Week 10 Oct 26 – Oct 31

Week 11 Nov 2 – Nov 7

Week 12 Nov 9 – Nov 14

Week 13 Nov 16 – Nov 21

Thanksgiving Break Nov 23 – Nov 28

Week 14 Nov 30 – Dec 5

Week 15 Dec 7 – Dec 12

Week 16 Dec 14 – Dec 19

Now let's get started with our course:

You will access the course from your Canvas Portal. Course consists of interactive digital videos, homework and review quizzes.

Start with first topic and continue until you are done with the course.

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.