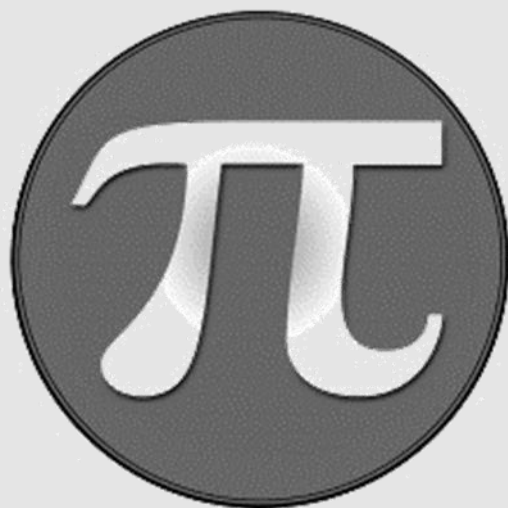




***Calculus for Business &
Social Sciences
Math 130
Hybrid Course***



**PALOMAR
COLLEGE**

Math & Science
Learning Center

***Student Handbook
Fall 2026***

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 Quantitative Reasoning, Trigonometry, Introduction to Statistics, 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.

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:

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.

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 San Marcos campus.

The Diagnostic Test:

You will take a diagnostic test that will be used to evaluate your prerequisite knowledge and help us determine whether the hybrid course format is suitable for you before you come to the orientation. If it is determined that the format is not a good fit, we will either advise you to complete a guided review of the prerequisite topics before continuing in this course or recommend that you enroll in an enhanced course where the prerequisites are reviewed more thoroughly.

Orientations are held on Monday, August 24, and Tuesday August 25 during the following times:

9:00 a.m., 10:00 a.m., 11:00 a.m., 1:00 p.m., 2:00 p.m., 3:00 p.m., 5:00 p.m., and 6:00 p.m.

You may attend any of the sessions.

Attendance in the MSLC (LRC-318):

Each unit requires 16 hours of instruction, 32 hours of homework, and preparation for a total of 48 hours. This means for this four-unit course **you need to allot about 12 hours per week for the 16 weeks** (48 hours/unit *4 units = 192 hours/16 weeks) during this semester. Depending on your preparation, this may be slightly less or slightly more.

You are strongly recommended to attend a minimum 2 hours per week at the Math & Science Learning Center (LRC-318) and study the remaining hours per week at home

During your time in the MSLC, you will check in at the counter and meet with the director or 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. Please note that students who fail to make satisfactory progress or fail to follow the prescribed corrective steps will be dropped from the course.

Math 130 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. Calculate limits, derivatives and integrals for polynomial, rational, exponential and logarithmic functions;
2. Find the derivatives of functions involving constants, sums, differences, products, quotients, and the chain rule;
3. Sketch the graph of functions using horizontal and vertical asymptotes, intercepts, and first and second derivatives to determine intervals where the function is increasing and decreasing, maximum and minimum values, intervals of concavity and points of inflection;
4. Analyze the marginal cost, profit and revenue when given the appropriate function;
5. Determine maxima and minima in optimization problems using the derivative;
6. Use derivatives to find rates of change and tangent lines;
7. Use calculus to analyze revenue, cost, and profit;
8. Find definite and indefinite integrals by using the general integral formulas, integration by substitution, and other integration techniques;
9. Use integration in business and economics applications.

Student Learning Outcomes (SLOs):

1. **Interpret Integration:** Students will recognize, apply, and interpret multiple representations (graphic, symbolic, numerical/data, verbal/applied) of integration and its applications.
2. **Interpret derivative:** Students will recognize, apply, and interpret multiple representations (graphic, symbolic, numerical/data, verbal/applied) of the derivative and its applications.

Required e-book package:

Interactive Applied Calculus 1st Edition

Author(s): Ritchey, Nathan | Kapanjie, Darin | Fisher, Katharine

Textbook ISBN-13: 9780134657189

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

Attendance:

- Each unit requires 16 hours of instruction for 32 hours of homework and preparation for a total of 48 hours. This means for this four-unit course **you need to allot about 12 hours per week for the 16 weeks** (48 hours/unit * 4 units = 192 hours/16 weeks) during this summer session. Depending on your preparation, this may be slightly less or slightly more.
- You are strongly recommended to attend **2 hours per week** at the Math & Science Learning Center (Third Floor of the Library – LRC 318) and study 20 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 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 either may be able to finish the course earlier or spent more time to master the topics coming later in the course that may be less familiar to you.

Grading Procedures:

The course grade will be based on the following components:

1. **Interactive Assignments (10%)** - Four sets of Interactive Assignments collectively worth 10% of the course grade.
2. **Homework (20%)** – Four sets of homework collectively worth 20% of the course grade.
3. **Exams (40%)** – Four exams collectively worth 40% of the course grade.
4. **Review Tests (10%)** – Four review tests collectively worth 10% of the course grade.
5. **Final Exam (20%)** – A comprehensive final exam worth 20% of the course grade.

Detailed Breakdown by Topic Group:

- **Topic Group 1 (Chapters 1 & 2):**
Homework Set 1 (Interactive Assignments & Homework) – 7.5%
Review Test 1 – 2.5%
Exam 1 – 10%
- **Topic Group 2 (Chapter 3 & 4):**
Homework Set 2 (Interactive Assignments & Homework) – 7.5%
Review Test 2 – 2.5%
Exam 2 – 10%
- **Topic Group 3 (Chapters 5 & 6):**
Homework Set 3 (Interactive Assignments & Homework) – 7.5%
Review Test 3 – 2.5%
Exam 3 – 10%
- **Topic Group 4 (Sections Chapters 7, 8 & 9):**
Homework Set 4 (Interactive Assignments & Homework) – 7.5%
Review Test 4 – 2.5%
Exam 4 – 10%
- **Final Exam (Chapters 1-9) – 20%**

Note: The Final Exam is ***comprehensive and mandatory***.

*If you do not do your Homework assignment, take a Review Test or Exam,
you will receive a grade of zero (0) for that Homework assignment, Review Test or Exam.*

Final letter grades will be assigned based on the overall course percentage as follows:

- **A: 90% and above**
- **B: 80% to 89%**
- **C: 70% to 79%**
- **D: 60% to 69%**
- **F: Below 60%**

Homework, Review Tests, and Exams Deadlines

Module I

- Homework Set 1 Thu, Sept 10
- Review Test 1 Sat, Sept 12
- Exam 1 Mon, Sept 14 (First Attempt)
- Exam 1 Thu, Sept 17 (Second Attempt)

Module 2

- Homework Set 2 Thu, Oct 08
- Review Test 2 Sat, Oct 10
- Exam 2 Mon, Oct 12 (First Attempt)
- Exam 2 Thu, Oct 15 (Second Attempt)

Module 3

- Homework Set 3 Thu, Nov 05
- Review Test 3 Sat, Nov 07
- Exam 3 Tue, Nov 10 (First Attempt)
- Exam 3 Thu, Nov 12 (Second Attempt)

Module 4

- Homework Set 4 Thu, Dec 10
- Review Test 4 Sat, Dec 12
- Exam 4 Mon, Dec 14 (First Attempt)
- Exam 4 Tue, Dec 15 (Second Attempt)

❖ Final Examination Thursday, Dec 17

**You can take each Review Test as many times as you wish. Be sure to attempt it at least once before the deadline. The highest score will be counted toward your final grade. The Review Tests are similar to the Exams. If you receive a score of 80 or better on a Review Test without any help, you are ready to take the corresponding Exam. Otherwise, it is recommended that you review the material again and retake the Review Test until you are comfortable with the topics.*

Course Schedule

Week 1 Aug 24 – Aug 29

- Orientation & Diagnostic Test (Aug 25)
- Do Assignments for Sections 1.1, 1.2, 2.1

Week 2 Aug 31 – Sept 5

- Do Assignments for Sections 2.2, 2.3, 2.4

Week 3 Sept 7 – Sept 12

- Do Assignments for Sections 2.5, 2.6
- Complete Homework Set # 1 (Sept 10)
- Take Review Test # 1 (Sept 12). Take it several times

Week 4 Sept 14 – Sept 19

- Take Exam # 1 (Sept 14) – First Attempt
- If needed, take Exam # 1 again (Sept 17) – Second Attempt
- Do Assignments for Sections 3.1, 3.2

Week 5 Sept 21 – Sept 26

- Do Assignments for Sections 3.3, 3.4, 3.5

Week 6 Sept 28 – Oct 3

- Do Assignments for Sections 4.1, 4.2, 4.3

Week 7 Oct 5 – Oct 10

- Do Assignments for Sections 4.4, 4.5
- Complete Homework Set # 2 (Oct 08)
- Take Review Test # 2 (Oct 10). Take it several times

Week 8 Oct 12 – Oct 17

- Take Exam # 2 (Oct 12) – First Attempt
- If needed, take Exam # 2 again (Oct 15) – Second Attempt
- Do Assignments for Sections 5.1, 5.2

Week 9 Oct 19 – Oct 24

- Do Assignments for Sections 5.3, 5.4, 6.1

Week 10 Oct 26 – Oct 31

- Do Assignments for Sections 6.2, 6.3, 6.4

Week 11 Nov 2 – Nov 7

- Do Assignments for Sections 6.5, 6.6
- Complete Homework Set # 3 (Nov 05)

- *Take Review Test # 3 (Nov 07). Take it several times*

Week 12 Nov 9 – Nov 14

- *Take Exam # 3 (Nov 9) – First Attempt*
- *If needed, take Exam # 3 again (Nov 12) – Second Attempt*
- *Do Assignments for Sections 7.1, 7.2*

Week 13 Nov 16 – Nov 21

- *Do Assignments for Sections 7.3, 7.4, 7.5*

Thanksgiving Break Nov 23 – Nov 28

Week 14 Nov 30 – Dec 5

- *Do Assignments for Sections 8.1, 8.3, 8.4*

Week 15 Dec 7 – Dec 12

- *Do Assignments for Sections 9.1, 9.2, 9.3*
- *Complete Homework Set # 4 (Dec 10)*
- *Take Review Test # 4 (Dec 12). Take it several times*

Week 16 Dec 14 – Dec 19

- *Take Exam # 4 (Dec 14) – First Attempt*
- *If needed, take Exam # 4 again (Dec 15) – Second Attempt*

Final Examination: Thursday, Dec 17, 2026

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 in PearsonMyLab.

Now let's get started with our course:

You will have four types of assignments.

1. 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.

Note: Interactive Assignments worth 10% of your final grade. Assignments are due before the corresponding Homework.

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

Note: Homework worth 20% 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. Review Tests – After two or three chapters, you will take the review test covering those 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 Test worth 10% of your final grade. You can take each Review Test as many times as you wish. The highest score will count toward your grade. You can review each Review Test by clicking on Gradebook tab in PearsonMyLab.

4. Exams – After doing steps 1-3, you will go to the Math & Science Learning Center, LRC-Third Floor, to take the 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, except for the final 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 through Thursday 9 am – 7 pm; Friday 9 am – 2 pm; Saturday 9 am – 1 pm

Note: Please make sure you start your exam no later than 4:30 pm (M-Th), no later than 11:30 am (Fri) or no later than 10:30 am (Sat).

- ☐ 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 MyLab and Mastering (in the left menu) or the icon on the homepage of Canvas
 - Open MyLab and Mastering (the golden colored button)
 - 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.