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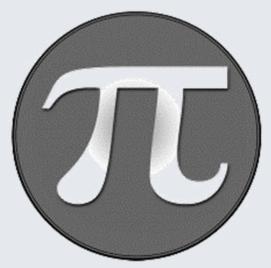# *Math 130*
Hybrid Course

**PALOMAR
COLLEGE**
Math & Science
Learning Center

Student Handbook
Spring 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. The Math & Science Learning 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. In addition, the Center offers just in time review of selected topics or a comprehensive review of all topics in remedial mathematics.

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 8:00 am – 8:00 pm Friday 8:00 am – 2:00 pm Saturday 9:00 am – 1:00 pm	*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 8:00 am – 8:00 pm Friday 8:00 am – 2:00 pm Saturday 9:00 am – 1:00 pm	*You can 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 in 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 – February 9, 2025
	To drop with a "W" grade – March 30, 2025
	To petition for Audit the course or for P/NP grade – March 9, 2025
	Last day to receive refund – February 9, 2025
Holidays	Lincoln's Day – February 14, 2025
	Non-instructional Day – February 15, 2025
	Washington's Day – February 17, 2025
	Spring Break – March 24, 2025 to March 28, 2025
	Non-instructional Day – March 29, 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 do 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 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 clarification

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 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 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 required to attend **2 hours per week** at the Math & Science Learning Center (Third Floor of the Library) and study 10 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:

		Interactive Assignments	Homework	Review Tests	Exams	Final Exam
#1	Chapters 1 & 2	2.5%	5%	2.5%	10%	
#2	Chapters 3 & 4	2.5%	5%	2.5%	10%	
#3	Chapters 5 & 6	2.5%	5%	2.5%	10%	Chapters 1 - 9
#4	Chapters 7, 8 & 9	2.5%	5%	2.5%	10%	
Total (100%)		10%	20%	10%	40%	20%

Interactive Assignments: Four sets of assignments, 10% of the total grade

Homework Assignments: Four assignment sets, 20% of the total grade.

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

Exams: Four exams, 40% of the total grade.

Final Exam: A comprehensive final exam, 20% of the total grade.

*Note: The Final Exam is **comprehensive** and **mandatory**.*
If you fail to do your Interactive Assignments, Homework assignments, take an Exam or Review Test, you will receive a grade of zero (0) for that 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%

Deadlines: Homework, Review Tests and Exams

Exam	Chapters	Interactive and Homework Assignments	Review Test Latest Starting Date*	Exam Deadline 1st attempt	Exam Deadline 2nd attempt
#1	1 & 2	Mon, Feb 10	Tue, Feb 11	Thu, Feb 13	Tue, Feb 18
#2	3 & 4	Mon, Mar 10	Tue, Mar 11	Thu, Mar 13	Mon, Mar 17
#3	5 & 6	Mon, Apr 14	Tue, Apr 15	Thu, Apr 17	Mon, Apr 21
#4	7, 8 & 9	Mon, May 12	Tue, May 13	Thu, May 15	Mon, May 19
Final Exam	1 - 9	**Wednesday, May 21, 2025**			

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 very 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.

Math 130 - Course Schedule

Week	Dates	Sections & Activities	Assignments & Exams Deadlines
1	Jan 27 – Feb 1	Sections 1.1, 1.2, 2.1, 2.2	
2	Feb 3 – Feb 8	Sections 2.3, 2.4, 2.5, 2.6	
3	Feb 10 – Feb 13	Complete Homework Assignment # 1 Take Review Test # 1 *(take it several times)* Take Exam # 1	Homework Assignment # 1 – **Feb 10** Review Test # 1 – **Feb 11** Exam # 1 (**1st attempt**) – **Feb 13**
4	Feb 18 – Feb 22	If needed, take Exam # 1 again Sections 3.1, 3.2, 3.3	Exam # 1(**2nd attempt**) – **Feb 18**
5	Feb 24 – Mar 1	Sections 3.4, 3.5, 4.1, 4.2	
6	Mar 3 – Mar 8	Sections 4.3, 4.4, 4.5	
7	Mar 10 – Mar 15	Complete Homework Assignment # 2 Take Review Test # 2 *(take it several times)* Take Exam # 2	Homework Assignment # 2 – **Mar 10** Review Test # 2 – **Mar 11** Exam # 2 (**1st attempt**) – **Mar 13**
8	Mar 17 – Mar 22	If needed, take Exam # 2 again Sections 5.1, 5.2, 5.3, 5.4	Exam # 2 (**2nd attempt**) – **Mar 17**
	Mar 24 – Mar 29	**Spring Break**	**No School**
9	Mar 31 – Apr 5	Sections 6.1, 6.2, 6.3	
10	Apr 7 – Apr 11	Sections 6.4, 6.5, 6.6	
11	Apr 14 – Apr 19	Complete Homework Assignment # 3 Take Review Test # 3 *(take it several times)* Take Exam # 3	Homework Assignment # 3 – **Apr 14** Review Test # 3 – **Apr 15** Exam # 3 (**1st attempt**) – **Apr 17**
12	Apr 21 – Apr 26	If needed, take Exam # 3 again Sections 7.1, 7.2, 7.3, 7.4	Exam # 3 (**2nd attempt**) – **Apr 21**
13	Apr 28 – May 3	Sections 7.5, 8.1, 8.3, 8.4	
14	May 5 – May 10	Sections 9.1, 9.2, 9.3	
15	May 12 – May 17	Complete Homework Assignment # 4 Take Review Test # 4 *(take it several times)* Take Exam # 4	Homework Assignment # 4 – **May 12** Review Test # 4 – **May 13** Exam # 4 (**1st attempt**) – **May 15**
16	May 19 – May 24	If needed, take Exam # 4 again Take Practice Final Exam Take Final Exam	Exam # 4 (**2nd attempt**) – **May 19** Final Exam – **May 21**

Final Exam: Wednesday, May 21, 2025

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

1. Follow the instruction 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). Exams are administered in the Math & Science Learning Center during the following hours:

Monday - Thursday	*8:00 am – 8:00 pm*
Friday	*8:00 am – 2:00 pm*
Saturday	*9:00 am – 1:00 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.