



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



**PALOMAR  
COLLEGE**

Math & Science  
Learning Center

*Student Handbook  
Spring 2024*

## 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 and Mastering link.
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](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.

<i>Location</i>	In person help in the Math & Science Learning Center located on the Third Floor of the Library at the main campus in San Marcos Virtual help via zoom: <a href="https://palomar-edu.zoom.us/j/93713198344">https://palomar-edu.zoom.us/j/93713198344</a>	
<i>Telephone</i>	(760) 744-1150, Ext. 2718 <b><i>Note: We encourage you to use the email to communicate with us instead of phone calls.</i></b>	
<i>Web Page</i>	<a href="https://www2.palomar.edu/mslc/">https://www2.palomar.edu/mslc/</a>	
<i>Center Hours (In person help)</i>	Monday – Thursday 8:00 am – 8:00 pm Friday 8:00 am – 2:00 pm Saturday 9:00 am – 1:00 pm	<b><i>All exams will be proctored through the Math &amp; Science Learning Center (Third Floor of the Library). Students must present a valid ID to take exams.</i></b>
<i>Center Hours (Online Tutoring)</i>	Monday – Thursday 8:00 am – 8:00 pm Friday 8:00 am – 2:00 pm Saturday 9:00 am – 1:00 pm	

Math & Science Learning Center Faculty & Tutors	Email	Phone Number
<u><i>Director &amp; Instructor of Record</i></u> Prof. Yuan-Lin (Annie) Lee	<a href="mailto:ylee@palomar.edu">ylee@palomar.edu</a>	(760) 744 1150, ext. 2718
<u><i>Tutors</i></u>	<i>Schedules of the instructors on duty and the tutors will be posted on the Math &amp; Science Learning Center website</i>	
<u><i>Instructors on Duty</i></u>	<a href="https://www2.palomar.edu/mslc/">https://www2.palomar.edu/mslc/</a>	

***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.***

<u><i>Deadlines</i></u>	To drop without any notation or a grade – February 11, 2024
	To drop with a “W” grade – March 24, 2024
	To petition for Audit the course or for P/NP grade – March 8, 2024
	Last day to receive refund – February 11, 2024
<u><i>Holidays</i></u>	Lincoln’s Day – February 16, 2024
	Non-instructional Day – February 17, 2024
	Washington’s Day – February 19, 2024
	Spring Break – March 25, 2024 to March 29, 2024
	Non-instructional Day – March 30, 2024

## **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%	Chapters 1 - 9
#2	Chapters 3 & 4	2.5%	5%	2.5%	10%	
#3	Chapters 5 & 6	2.5%	5%	2.5%	10%	
#4	Chapters 7, 8 & 9	2.5%	5%	2.5%	10%	
<b>Total (100%)</b>		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:**

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

## Deadlines: Homework, Review Tests and Exams

Exam	Chapters	Interactive and Homework Assignments	Review Test Latest Starting Date*	Exam Deadline 1 <sup>st</sup> attempt	Exam Deadline 2 <sup>nd</sup> attempt
#1	1 & 2	Tue, Feb 13	Wed, Feb 14	Thu, Feb 15	Tue, Feb 20
#2	3 & 4	Tue, Mar 12	Wed, Mar 13	Thu, Mar 14	Mon, Mar 18
#3	5 & 6	Tue, Apr 16	Wed, Apr 17	Thu, Apr 18	Mon, Apr 22
#4	7, 8 & 9	Tue, May 14	Wed, May 15	Thu, May 16	Mon, May 20
Final Exam	1 - 9	<b>Thursday, May 23, 2024</b>			

*\*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**

<b>Week</b>	<b>Dates</b>	<b>Sections &amp; Activities</b>	<b>Assignments &amp; Exams Deadlines</b>
1	Jan 29 – Feb 3	Sections 1.1, 1.2, 2.1, 2.2	
2	Feb 5 – Feb 10	Sections 2.3, 2.4, 2.5, 2.6	
3	Feb 12 – Feb 15	Complete Homework Assignment # 1 Take Review Test # 1 ( <i>take it several times</i> ) Take Exam # 1	Homework Assignment # 1 – Feb 13 Review Test # 1 – Feb 14 Exam # 1 (1st attempt) – Feb 15
4	Feb 20 – Feb 24	If needed, take Exam # 1 again Sections 3.1, 3.2, 3.3	Exam # 1 (2nd attempt) – Feb 20
5	Feb 26 – Mar 2	Sections 3.4, 3.5, 4.1, 4.2	
6	Mar 4 – Mar 9	Sections 4.3, 4.4, 4.5	
7	Mar 11 – Mar 16	Complete Homework Assignment # 2 Take Review Test # 2 ( <i>take it several times</i> ) Take Exam # 2	Homework Assignment # 2 – Mar 12 Review Test # 2 – Mar 13 Exam # 2 (1st attempt) – Mar 14
8	Mar 18 – Mar 23	If needed, take Exam # 2 again Sections 5.1, 5.2, 5.3, 5.4	Exam # 2 (2nd attempt) – Mar 18
	<b>Mar 25 – Apr 30</b>	<b>Spring Break</b>	<b>No School</b>
9	Apr 1 – Apr 6	Sections 6.1, 6.2, 6.3	
10	Apr 8 – Apr 13	Sections 6.4, 6.5, 6.6	
11	Apr 15 – Apr 20	Complete Homework Assignment # 3 Take Review Test # 3 ( <i>take it several times</i> ) Take Exam # 3	Homework Assignment # 3 – Apr 16 Review Test # 3 – Apr 17 Exam # 3 (1st attempt) – Apr 18
12	Apr 22 – Apr 27	If needed, take Exam # 3 again Sections 7.1, 7.2, 7.3, 7.4	Exam # 3 (2nd attempt) – Apr 22
13	Apr 29 – May 4	Sections 7.5, 8.1, 8.3, 8.4	
14	May 6 – May 11	Sections 9.1, 9.2, 9.3	
15	May 13 – May 18	Complete Homework Assignment # 4 Take Review Test # 4 ( <i>take it several times</i> ) Take Exam # 4	Homework Assignment # 4 – May 14 Review Test # 4 – May 15 Exam # 4 (1st attempt) – May 16
16	May 20 – May 25	If needed, take Exam # 4 again Take Practice Final Exam Take Final Exam	Exam # 4 (2nd attempt) – May 20 Final Exam – May 23

**Final Exam: Thursday, May 23, 2024**



## **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 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.