

# Syllabus



**School of STEM**  
**Department of Mathematical, Information and Computer Sciences**

MTH1033—Precalculus

3 Units (MWF, 8:30-9:25am, Fermanian School of Business 104)

Fall 2024 | September 3 – December 20

**Instructor: Carlson Triebold**

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**Office: RS 228**  
**Hours: Posted in Canvas**

**Final Exam: 12/20 at 7:30am**

**PLNU Mission**  
**To Teach ~ To Shape ~ To Send**

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service is an expression of faith. Being of Wesleyan heritage, we strive to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

**Department Mission**

The Mathematical, Information, and Computer Sciences department at Point Loma Nazarene University is committed to maintaining a curriculum that provides its students with the tools to be productive, the passion to continue learning, and Christian perspectives to provide a basis for making sound value judgments.

**COURSE DESCRIPTION**

An introduction to the functions necessary for the study of calculus with an emphasis on numerical and graphical notions of continuity, limits, and derivatives. The following function types are used as examples for the study of the concepts: polynomial, rational, exponential, logarithmic, and trigonometric functions.

**GENERAL EDUCATION MISSION**

PLNU provides a foundational course of study in the liberal arts informed by the life, death, and resurrection of Jesus Christ. In keeping with the Wesleyan tradition, the curriculum equips students with a broad range of knowledge and skills within and across disciplines to enrich major study, lifelong learning, and vocational service as Christ-like participants in the world's diverse societies and culture.

**COURSE LEARNING OUTCOMES**

1. Students will develop an ability to graph functions including polynomial and trigonometric functions.
2. Students will develop an ability to solve problems using polynomial, exponential, and trigonometric functions.

**GENERAL EDUCATION LEARNING OUTCOMES**

1. Students will be able to solve problems that are quantitative in nature.

## REQUIRED TEXTS AND RECOMMENDED STUDY RESOURCES

1. Graphing Calculator (TI-84+ recommended, CAS calculators are not allowed)
2. *Precalculus with Calculus Previews*, 6<sup>th</sup> Edition by Zill & Dewar (ISBN: 9781284077261)

## COURSE CREDIT HOUR INFORMATION

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 3-unit class delivered over fifteen weeks. Specific details about how the class meets the credit hour requirement can be provided upon request. (Based on 37.5 hours of student engagement per credit hour.)

## ASSESSMENT AND GRADING

### Graded Components

- **Homework:** Homework problems will be assigned regularly and posted on Canvas. A homework assignment is late if it is not submitted at the beginning of class on the due date. Please check regularly to ensure that you are keeping up with the homework. Late homework will not be accepted. Your lowest two homework scores will be dropped.
- **Quizzes:** Quizzes will be given at the beginning of class time, so please be in your seat before the class period begins (less disruption to others). Quizzes are designed to take no more than five minutes to complete. However, ten to fifteen minutes of class time are set aside to complete these activities. Quiz dates are set in advance and are listed on the class calendar. During the course, you may find that you must be absent the day of a quiz due to a personal situation. For this reason, you are allowed to drop your two lowest quiz scores. There will be no make-up quizzes, no exceptions, so use your dropped quizzes wisely.
- **Examinations and the Final Examination.** Examinations and the Final Examination will include problems and questions over material assigned in the text, readings and handouts, as well as material presented in class. No examination shall be missed without a well-documented emergency beyond your control. A score of zero will be assigned for an examination that is missed without a well-documented emergency beyond your control.
- **Late work will not be accepted.** Homework assignments that are submitted late will be recorded with a score of zero. During the course, you may find that you are unable to submit homework on time due to a personal situation (for example, a personal or family illness, accident, business trip, etc.). This is why your lowest assignments will be dropped, as described above. There are no exceptions to this policy so please use your dropped assignments wisely.

<b>Grading Distribution</b>	<b>Percent</b>
Two Examinations (at 20% Each)	40
Final Exam	30
Written Homework	15
Quizzes	10
Attendance and Participation	5
Total	100

### **FINAL EXAM:**

**Date and Time:** Friday, December 20<sup>th</sup> from 7:30-10:00am.

The final exam date and time is set by the university at the beginning of the semester and may not be changed by the instructor. This schedule can be found on the university website and in the course calendar. No requests for early examinations will be approved. Only in the case that a student is required to take three exams during the same day of finals week, is an instructor authorized to consider changing the exam date and time for that particular student.

### **Grading Scale**

Grades are based on the number of points accumulated throughout the course with the following exception. A student must pass at least one of Examination 1, Examination 2, or the Final Examination in order to pass the class. That is, a score of 60% must be achieved on one of the Examinations, or else the final grade will be an F regardless of all other point totals. Approximate minimal percentages required to obtain a given grade are:

<b>Standard Grade Scale Based on Percentages</b>					
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>

+		[87.5- 90.0)	[77.5-80.0)	[67.5-70.0)	
	[92.5 -100.0]	[82.5-87.5)	[72.5-77.5)	[62.5 -67.5)	[0-60)
-	[90.0-92.5)	[80.0-82.5)	[70.0-72.5)	[60.0-62.5)	

## FINAL EXAMINATION POLICY

Successful completion of this class requires taking the final examination on its scheduled day. The final examination schedule is posted on the [Class Schedules](#) site. If you find yourself scheduled for three (3) or more final examinations on the same day, you are authorized to contact each professor to arrange a different time for one of those exams. However, unless you have three (3) or more exams on the same day, no requests for alternative final examinations will be granted.

## STATE AUTHORIZATION

State authorization is a formal determination by a state that Point Loma Nazarene University is approved to conduct activities regulated by that state. In certain states outside California, Point Loma Nazarene University is not authorized to enroll online (distance education) students. If a student moves to another state after admission to the program and/or enrollment in an online course, continuation within the program and/or course will depend on whether Point Loma Nazarene University is authorized to offer distance education courses in that state. It is the student's responsibility to notify the institution of any change in his or her physical location. Refer to the map on [State Authorization](#) to view which states allow online (distance education) outside of California.

## INCOMPLETES AND LATE ASSIGNMENTS

All assignments are to be submitted/turned in by the beginning of the class session when they are due—including assignments posted in Canvas. Incompletes will only be assigned in extremely unusual circumstances.

## CLASS ENROLLMENT

It is the student's responsibility to maintain his/her class schedule. Should the need arise to drop this course (personal emergencies, poor performance, etc.), the student has the responsibility to follow through (provided the drop date meets the stated calendar deadline established by the university), not the instructor. Simply ceasing to attend this course or failing to follow through to arrange for a change of registration (drop/add) may easily result in a grade of F on the official transcript.

## **PLNU COPYRIGHT POLICY**

Point Loma Nazarene University, as a non-profit educational institution, is entitled by law to use materials protected by the US Copyright Act for classroom education. Any use of those materials outside the class may violate the law.

## **PLNU RECORDING NOTIFICATION**

In order to enhance the learning experience, please be advised that this course may be recorded by the professor for educational purposes, and access to these recordings will be limited to enrolled students and authorized personnel.

Note that all recordings are subject to copyright protection. Any unauthorized distribution or publication of these recordings without written approval from the University (refer to the Dean) is strictly prohibited.

## **PLNU ACADEMIC HONESTY POLICY**

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. For all student appeals, faculty should follow and students may appeal using the procedure in the university Catalog. See [Academic Policies](#) for definitions of kinds of academic dishonesty and for further policy information.

## **PLNU ACADEMIC ACCOMMODATIONS POLICY**

PLNU is committed to providing equal opportunity for participation in all its programs, services, and activities in accordance with the Americans with Disabilities Act (ADA). Students with disabilities may request course-related accommodations by contacting the Educational Access Center (EAC), located in the Bond Academic Center ([EAC@pointloma.edu](mailto:EAC@pointloma.edu) or 619-849-2486). Once a student's eligibility for an accommodation has been determined, the EAC will work with the student to create an Accommodation Plan (AP) that outlines allowed accommodations. The EAC makes accommodations available to professors at the student's request.

PLNU highly recommends that students speak with their professors during the first two weeks of each semester/term about the implementation of their AP in that particular course. Accommodations are not retroactive so clarifying with the professor at the outset is one of the best ways to promote positive academic outcomes.

Students who need accommodations for a disability should contact the EAC as early as possible (i.e., ideally before the beginning of the semester) to assure appropriate accommodations can be provided. It is the student's responsibility to make the first contact with the EAC. Students cannot assume that because they had accommodations in the past, their eligibility at PLNU is automatic. All

determinations at PLNU must go through the EAC process. This is to protect the privacy of students with disabilities who may not want to disclose this information and are not asking for any special accommodations.

## **SEXUAL MISCONDUCT AND DISCRIMINATION**

Point Loma Nazarene University faculty are committed to helping create a safe learning environment for all students. If you (or someone you know) have experienced any form of sexual discrimination or misconduct, including sexual assault, dating or domestic violence, or stalking, know that help and support are available through the Title IX Office at [pointloma.edu/Title-IX](http://pointloma.edu/Title-IX). Please be aware that under Title IX of the Education Amendments of 1972, it is required to disclose information about such misconduct to the Title IX Office.

If you wish to speak to a confidential employee who does not have this reporting responsibility, you can contact Counseling Services at [counselingservices@pointloma.edu](mailto:counselingservices@pointloma.edu) or find a list of campus pastors at [pointloma.edu/title-ix](http://pointloma.edu/title-ix)

If you (or someone you know) have experienced other forms of discrimination or bias, you can find more information on reporting and resources at [www.pointloma.edu/bias](http://www.pointloma.edu/bias)

## **PLNU ATTENDANCE AND PARTICIPATION POLICY**

Attendance is expected at each class session. In the event of an absence, you are responsible for the material covered in class and the assignments given that day.

Regular and punctual attendance at all class sessions is considered essential to optimum academic achievement. If the student is absent for more than 10 percent of class sessions, the faculty member will issue a written warning of de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university withdrawal date or, after that date, receive an “F” grade.

## **SPIRITUAL CARE**

Please be aware PLNU strives to be a place where you grow as whole persons. To this end, we provide resources for our students to encounter God and grow in their Christian faith.

If students have questions, a desire to meet with the chaplain or have prayer requests you can contact your professor or the [Office of Spiritual Life and Formation](#).

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	Week	Monday	Wednesday	Friday
September	1	2 Labor Day	4 Algebra Review	6 Section 2.1
	2	9 Section 2.2	11 Section 2.3	13 Section 2.4, <b>Quiz 1</b>
	3	16 Section 2.5	18 Section 2.6	20 Section 2.8, <b>Quiz 2</b>
	4	23 Section 3.1	25 Section 3.2	27 Section 3.3, <b>Quiz 3</b>
	5	30 Section 3.3	2 Section 3.4	4 Section 3.6, <b>Quiz 4</b>
October	6	7 Catch Up Day	9 Review for Exam I	11 <b>Exam I</b>
	7	14 Section 6.1	16 Section 6.2	18 Section 6.3, <b>Quiz 5</b>
	8	21 Section 6.4	23 Section 6.4	25 Fall Break
	9	28 Section 4.1	30 Section 4.2	1 Section 4.2, <b>Quiz 6</b>
November	10	4 Section 4.3	6 Section 4.4	8 Section 5.1, <b>Quiz 7</b>
	11	11 Section 5.2	13 Section 4.8	15 Section 5.3, <b>Quiz 8</b>
	12	18 Section 5.4	20 Catch Up Day	22 Review for Exam II, <b>Quiz 9</b>
	13	25 <b>Exam II</b>	27 Thanksgiving Break	29
December	14	2 Section 4.5	4 Section 4.6	6 Section 4.7, <b>Quiz 10</b>
	15	9 Section 4.9	11 Catch Up Day	13 Review for Final Exam, <b>Quiz 11</b>
	16	16	18	20 <b>Final Exam</b> 7:30am-10:00am