POINT 19🏛02 LOMA
NAZARENE UNIVERSITY

MICS/School of STEM

MTH 1033- Precalculus

3.0 Units

Fall 2025

Meeting days/times: MWF 8:30 am – 9:25 am

Meeting location: RS 265

Final Exam: Monday, 12/15, 7:30 -10:00 am

Instructor Title and Name:	Dr. Catherine Crockett
Phone:	(619) 849-2723
Email:	**catherinecrockett@pointloma.edu**

Office Location and Office Hours: Office hours are held in my office, which is **RS 222.** The hours listed below are when you can drop- in, no appointment necessary.

Monday: 11:00 to 12:00   Tuesday: 1:00 to 2:30
Wednesday: 11:00 to 12:00   Thursday: 1:00 to 2:30
Friday: 10:30 to 12:00 and 1:00 to 2:30
Or you can make an appointment by emailing me.

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

MICS: 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.

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 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. Letter grade.

Prerequisite(s): MTH 1013 or equivalent.

Program and 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

> GELO 1e. Quantitative Reasoning: Students will be able to solve problems that are quantitative in nature.

The Signature Assignment for assessing this GELO is: A pre-selected set of questions on the Final Exam

Required Texts and Recommended Study Resources

> **Required:** *Precalculus with Calculus Previews*, 6th Edition by Zill & Dewar
> (ISBN: 9781284077261)

> **Recommended:** An inexpensive non-graphing (and non-CAS) calculator. I will provide you with a calculator for the exams.

Students are responsible for having the required course textbooks prior to the first day of class.

All supplemental materials posted on this course site (including articles, book excerpts, or other documents) are provided for your personal academic use. These materials may be protected by copyright law and should not be duplicated or distributed without permission of the copyright owner.

Assessment and Grading

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 on 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.

Grades will be based on the following:

Type of assignment:	Percentage of the course grade:
Two Examinations (at 20% each)	40%
Final Exam	30%
Written Homework	15%
Quizzes	10%
Attendance and Participation	5%
	Total = 100%

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:

Standard Grade Scale Based on Percentages

A	B	C	D	F
A [92.5-100]	B+ [87.5-90)	C+ [77.5-80)	D+ [67.5-70)	F [0-60)
A- [90-92.5)	B [82.5-87.5)	C [72.5-77.5)	D [62.5-67.5)	
	B- [80-82.5)	C- [70-72.5)	D- [60-62.5)	

Final Exam Date and Time: Monday, December 15th from 7:30 to 10:00 am.

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 [Traditional Undergraduate Records: Final Exam 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 <u>one</u> 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.

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.

Artificial Intelligence (AI) Policy

You are allowed to use Artificial Intelligence (AI) tools (e.g., ChatGPT, Gemini Pro 1.5, GrammarlyGo, Perplexity, etc) to generate ideas, but you are not allowed to use AI tools to generate content (text, video, audio, images) that will end up in any work submitted to be graded for this course. If you have any doubts about using AI, please gain permission from the instructor.

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 or 619-849-2533). 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. Professors are able to view a student's approved accommodations through Accommodate.

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 accommodations.

Additional Course Information

Additional PLNU policies and practices that apply to this course can be found at the following link: https://docs.google.com/document/d/11BgAANLOJ9tjt837d24EZ181ukM2qzHF/edit

Assignments At-A-Glance

Assignments for this course will consist of written homework, quizzes, exams and a final exam. Please refer to the Canvas course for more information on these assignments.

LomaBooks Instructions for Students

This course is part of our course material delivery program, **LomaBooks**. The bookstore will provide each student with a convenient package containing all required physical materials; all digitally delivered materials will be integrated into Canvas.

You should have received an email from the bookstore confirming the list of materials that will be provided for each of your courses and asking you to select how you would like to receive any printed components (in-store pick up or home delivery). If you have not done so already, please confirm your fulfillment preference so the bookstore can prepare your materials.

For more information about **LomaBooks,** please go: HERE

Tentative Course calendar:

Week	Monday	Wednesday	Friday
1	9/1 No class	9/3 Introduction & Algebra Review	9/5 Section 2.1
2	9/8 Section 2.2	9/10 Section 2.3 **Homework #1**	9/12 Section 2.4 **Quiz #1**
3	9/15 Section 2.5	9/17 Section 2.6 **Homework #2**	9/19 Section 2.8 **Quiz #2**
4	9/22 Section 3.1	9/24 Section 3.2 **Homework #3**	9/26 Section 3.3 **Quiz #3**
5	9/29 Section 3.3	10/1 Section 3.4 **Homework #4**	10/3 Section 3.6 **Quiz #4**
6	10/6 Catch Up	10/8 Review for Exam #1 **Homework #5**	10/10 **Exam #1**
7	10/13 Section 6.1	10/15 Section 6.2	10/17 Section 6.3 **Quiz #5**
8	10/20 Section 6.4	10/22 Section 6.4 & **Homework #6**	10/24 No class: Fall Break
9	10/27 Section 4.1	10/29 Section 4.2 **Homework #7**	10/31 Section 4.2 **Quiz #6**
10	11/3 Section 4.3	11/5 Section 4.4 **Homework #8**	11/7 Section 5.1 **Quiz #7**
11	11/10 Section 5.2	11/12 Section 4.8 **Homework #9**	11/14 Section 5.3 **Quiz #8**
12	11/17 Section 5.4	11/19 Catch- Up	11/21 Review for Exam #2 **Quiz #9**
13	11/24 **Exam #2** **Homework #10**	11/26 No class Thanksgiving	11/28 No class Thanksgiving
14	12/1 Section 4.5	12/3 Section 4.6	12/5 Section 4.7 **Quiz #10**
15	12/8 Section 4.9	12/10 Catch Up **Homework #11**	12/12 Review for Final **Quiz #11**
Finals	12/15 **FINAL EXAM** **7:30 to 10:00**	12/17	12/19