



Mathematics, Information, and Computer Sciences – School of STEM

MTH1033 – Pre-Calculus

Spring 2026, 3 units

Ryan Learning Center 102

Final Exam: Monday, December 15th from 7:30 to 10:00 am in the classroom.

Section information:	Section 1 meets Monday, Wednesday, and Friday 8:30-9:25
Instructor information:	Dr. Greg Crow, Professor of Mathematics
Phone:	619-849-2604
Email:	gcrow@pointloma.edu
Office hours:	Location: Rohr Science 252 (through RS 230) Times posted in Canvas

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.

General Education:

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.

Program and Course Learning Outcomes

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

General Education Learning Outcomes

- Link to GE courses and corresponding GELO's:
<https://assessment.pointloma.edu/academicassessment/general-education/assessment-plan/>
- *GELO 1e: Quantitative Reasoning: Students will be able to solve problems that are quantitative in nature.*
- *Signature Assignment: A pre-selected set of questions on the Final Exam*

Required Texts and Recommended Study Resources

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.

- **Textbook:** *Precalculus with Calculus Previews*, 6th Edition by Zill & Dewar (ISBN: 9781284077261)
- **Author:** Peter Tannenbaum, **Publisher:** PEARSON
- A scientific calculator is required.
- A calculator (TI-30XIIS) will be provided for you to use on exams. You may not use your own calculator on exams.

Assessment and Grading

The grade components are written homework, class activities, midterm exams, and the final examination. The grading distribution can be found below.

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. Written homework is submitted on paper and is due on Wednesdays at 8:30am. Late homework will not be accepted with the following exception: up to a maximum of two homework assignments will be accepted up to 3 days late provided that consent is received from the professor before it is due. 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.

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]	

Grading distribution:

Grade Distribution	
Two Midterms Exams (at 20% each)	40%
Final Exam (Cumulative)	30%
Written Homework	15%
Quizzes	10%
Class Activities	5%
Total	100%

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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 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.

Other Factors That Affect Grades

- **Written Homework:** Assignments collected must be prepared in a style suitable for grading. The following guidelines are used to determine credit:
 - work all the assigned problems by hand with pencil and paper (or stylus and tablet)
 - the organization must be easy to follow
 - the work must be legible
 - complete solutions must be written for problems (not just answers); answers must be clearly marked
 - use complete sentences to answer questions
- **Examinations and Final Examination:** Exams and the final exam will include problems and questions over material assigned in the text, readings, handouts, and material presented in class. No examination shall be missed without prior consent or a well-documented emergency beyond your control. A score of zero will be assigned for an examination that is missed without prior consent or a

well-documented emergency beyond your control. The examination schedule is included in the daily schedule. This instructor does not intend to accept excuses such as poor communication with parents, benefactors, surf team sponsors and/or travel agents.

Incompletes and Late Assignments

- All assignments are to be submitted/turned in by the due date and time —including assignments posted in Canvas. **Late work need not be accepted.**
- Written homework is submitted on paper and is due on Wednesdays at 8:30am. Late homework will not be accepted with the following exception: up to a maximum of two homework assignments will be accepted up to 3 days late provided that consent is received from the professor before it is due.
- Make-up tests will be given only by prior arrangement with the instructor for reasons of documented emergency. All make-up tests will be given in Rohr Science 295 at 8:30am on Saturday 2-May-2026.
- **Incomplete grade:** Incompletes will only be assigned in extremely unusual circumstances. You may request a grade of I (incomplete) only if you are having a passing grade and at least 70% of the course work is completed. Incompletes will only be assigned in extremely unusual circumstances.

Comments On Homework

1. This is the minimum amount of homework that is required but you may need to do several odd numbered problems to make sure you get the answer in the textbook.
2. Work all the assigned problems by hand with pencil and paper (or tablet). Make sure to show all your work! This is good practice for the exams and I can only give partial credit to whatever work I see on the page. Once you are finished, you may turn in your paper homework as indicated in the Canvas assignment.
3. Homework will be scored on a combination of completeness and correctness. All work necessary to complete a problem must be shown to earn credit.
4. Start working on your homework early. These problems are difficult and meant to be done a little at a time over the course of a few days.
5. When doing homework, please note it is normal to not be able to do every problem correct on the first attempt. Do not be discouraged, instead seek help.

Artificial Intelligence (AI) Policy

You are allowed to use Artificial Intelligence (AI) tools (e.g., ChatGPT, Gemini Pro 1.5, Grammarly Go, 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.

PLNU Attendance and Participation Policy

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.

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](#)

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?usp=sharing&oid=109910715651511117850&rtpof=true&sd=true>

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	9/1 Labor Day No class	9/2	9/3 Introduction Algebra Review	9/4	9/5 Section 2.1
2	9/8 Section 2.2	9/9	9/10 Section 2.3 Homework #1	9/11	9/12 Section 2.4 Quiz #1
3	9/15 Section 2.5	9/16	9/17 Section 2.6 Homework #2	9/18	9/19 Section 2.8 Quiz #2
4	9/22 Section 3.1	9/23	9/24 Section 3.2 Homework #3	9/25	9/26 Section 3.3 Quiz #3
5	9/29 Section 3.3	9/30	10/1 Section 3.4 Homework #4	10/2	10/3 Section 3.6 Quiz #4
6	10/6 Catch Up	10/7	10/8 Review for Exam #1	10/9	10/10 Exam #1 Homework #5
7	10/13 Section 6.1	10/14	10/15 Section 6.2	10/16	10/17 Section 6.3 Quiz #5
8	10/20 Section 6.4	10/21	10/22 Section 6.4 Homework #6	10/23 No class Fall Break	10/24 No class Fall Break
9	10/27 Section 4.1	10/28	10/29 Section 4.2 Homework #7	10/30	10/31 Section 4.2 Quiz #6
10	11/3 Section 4.3	11/4	11/5 Section 4.4 Homework #8	11/6	11/7 Section 5.1 Quiz #7
11	11/10 Section 5.2	11/11	11/12 Section 4.8 Homework #9	11/13	11/14 Section 5.3 Quiz #8
12	11/17 Section 5.4	11/18	11/19 Catch- Up	11/20	11/21 Review for Exam #2 Quiz #9
13	11/24 Exam #2 Homework #10	11/25	11/26 No class Thanksgiving	11/27 No class Thanksgiving	11/28 No class Thanksgiving
14	12/1 Section 4.5	12/2	12/3 Section 4.6	12/4	12/5 Section 4.7 Quiz #10
15	12/8 Section 4.9	12/9	12/10 Catch Up Homework #11	12/11	12/12 Review for Final Quiz #11
Finals	12/15 FINAL 7:30 to 10:00 Homework #12	12/16	12/17	12/18	12/19

Class days & Time: MTH 1033 MWF 8:30 – 9:25 RS365

Exams:

Exam 1: Friday, Oct. 10 at 8:30 in RS365

Exam 2: Monday, Nov. 24 at 8:30 in RS 365

Final Exam: Monday, De. 15 at 7:30 -10:00 (am) in RS 365

Office hours:

MW 11:00 to 12:00

TR 1:00 to 2:30

F 10:30 to 12:00 and 1:00 to 2:30

or by appointment.

In RS 222

Quizzes: most Fridays at 8:30 in RS 365. Look in Canvas for information.