

# Syllabus



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

MTH1033 Precalculus

3 Units (M-W-F, 8:30-9:25am, RLC  
101)

Spring 2021 | March 1 - June 11

**Instructor: Kyle Havens**

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**Office hours: By  
Appointment in Zoom**

## **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.

## **WELCOME MESSAGE**

I look forward to spending the semester learning pre-calculus with you. You will be amazed at how easy some concepts are to understand, and equally amazed at how challenging some problems are to solve. Over the semester, you will experience a range of feelings, including: success and failure; challenge and boredom; accomplishment and frustration. Please know that your fellow classmates and I will be here to help you through it. Also, persistence and hard work mean a lot more in this class than “intelligence.” Put in time and effort and you will succeed. Skip class and homework and you will struggle.

## **COURSE DESCRIPTION**

An introduction to the functions necessary for the study of calculus with an emphasis on numericals 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.

## **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.

## **REQUIRED TEXTS AND RECOMMENDED STUDY RESOURCES**

1. Graphing Calculator (TI-84+ recommended)
2. WebAssign Access Code (You will receive access to the eBook in purchasing)
3. (Optional) Physical Textbook - *Precalculus with Calculus Previews*, 5<sup>th</sup> Edition by Zill & Dewar (ISBN: 9781449649128)

## **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.)

### **Distribution of Student Learning Hours**

Category	Time Expectation in Hours
Watching Videos and Taking Notes	30
Reading Assignments	15
Written Class Activities	15
Online Homework	30
Pre-Assignments	15
Exams and Review	12.5
Zoom	5
<b>Total Hours</b>	<b>122.5</b>

## ASSESSMENT AND GRADING

### Graded Components

- **Homework:** Homework problems will be assigned regularly and posted on WebAssign. A homework assignment is late if it is not submitted by the posted due date. Please check regularly to ensure that you are keeping up with the homework. Late homework will not be accepted without prior approval. Your lowest homework score will be dropped.
- **Notes and Videos:** Each section will have videos to watch and you should take notes. Your notes will be submitted in a weekly Canvas Discussion to provide evidence you are keeping up. We will regularly have activity worksheets that are to be worked on collectively during class. If you finish them during class time you may turn them in, but you won't always be able to finish them within the allotted time. You may continue to work on them during the week, and they are due by the next class period. After you complete the activity, upload your written solutions to Canvas.
- **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 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.
- **Late work will not be accepted** without prior consent or a well-documented emergency. Up to a maximum of one homework assignment will be accepted up to 3 days late provided that consent is received from the professor before it is due. Homework assignments that are submitted late without prior consent will be recorded with a score of zero. If more than half of the homework assignments are submitted on time, then the lowest homework score will be dropped from the calculations of the homework grade.
- 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.

<b>Grading Distribution</b>	<b>Percent</b>
Two Examinations	30
Final Exam	30
Online Homework	20
Written Class Activities	15
Videos Notes and Participation	5
Total	100

**FINAL EXAM:**

**Date and Time:** Wednesday, 6/9/21, 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. 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>
<b>+</b>		87.5- 90	77.5-80	67.5-70	
	92.5 -100	82.5-87.5	72.5-77.5	62.5 -67.5	0-60

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<b>Standard Grade Scale Based on Percentages</b>					
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>F</b>
<b>_</b>	90-92.5	80-82.5	70-72.5	60-62.5	

## **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 \(https://www.pointloma.edu/offices/office-institutional-effectiveness-research/disclosures\)](https://www.pointloma.edu/offices/office-institutional-effectiveness-research/disclosures) 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 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. Faculty should follow and students may appeal using the procedure in the university Catalog. See [Academic Policies](http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278) (<http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278>) for definitions of kinds of academic dishonesty and for further policy information.

## **PLNU ACADEMIC ACCOMMODATIONS POLICY**

While all students are expected to meet the minimum standards for completion of this course as established by the instructor, students with disabilities may require academic adjustments, modifications or auxiliary aids/services. At Point Loma Nazarene University (PLNU), these students are requested to register with the Disability Resource Center (DRC), located in the Bond Academic Center. ([DRC@pointloma.edu](mailto:DRC@pointloma.edu) (<https://mail.google.com/mail/?view=cm&fs=1&tf=1&to=DRC@pointloma.edu>) or 619-849-2486). The DRC's policies and procedures for assisting such students in the development of an appropriate academic adjustment plan (AP) allows PLNU to comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. Section 504 (a) prohibits discrimination against students with special needs and guarantees all qualified students equal access to and benefits of PLNU programs and activities. After the student files the required documentation, the DRC, in conjunction with the student, will develop an AP to meet that student's specific learning needs. The DRC will thereafter email the student's AP to all faculty who teach courses in which the student is enrolled each semester. The AP must be implemented in all such courses.

If students do not wish to avail themselves of some or all of the elements of their AP in a particular course, it is the responsibility of those students to notify their professor in that course. PLNU highly recommends that DRC students speak with their professors during the first two weeks of each semester about the applicability of their AP in that particular course and/or if they do not desire to take advantage of some or all of the elements of their AP in that course.

## **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 classes is considered essential to optimum academic achievement. If the student is absent from more than 10 percent of class meetings, the faculty member can file a written report which may result in de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university drop date or, after that date, receive the appropriate grade for their work and participation. See [Academic Policies](http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278) (<http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278>) for further information about class attendance.

## **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 the **Office of Spiritual Development** [\\_\(https://www.pointloma.edu/offices/spiritual-development\)](https://www.pointloma.edu/offices/spiritual-development)

## Precalculus - Online Schedule Spring 2021

<b>Week of</b>	<b>Monday</b>	<b>Wednesday</b>	<b>Friday</b>
3/1/2021	Zoom Introduction Course Info and Welcome	Online Lecture 2.1/2.3	Online Lecture 2.3/2.4 <b>Due:</b> WebAssign Intro
3/8/2021	Zoom Lecture 2.4 Class Activity	Online Lecture 2.2/2.5	Online Lecture 2.6 <b>Due:</b> OHW2.1-2.4, CA1
3/15/2021	Zoom Lecture 2.7 Class Activity	Online Lecture 3.1/3.2	Online Lecture 3.3 <b>Due:</b> OHW2.2-2.6, CA2
3/22/2021	Zoom Lecture 3.3 Class Activity	Online Lecture 3.3	Online Lecture 3.4 <b>Due:</b> OHW2.7-3.2, CA3
3/29/2021	Zoom Lecture 3.5 Class Activity	<i>No Class</i> Mental Health Day	Online Lecture 3.6 <b>Due:</b> OHW3.3-3.3, CA4
4/5/2021	Zoom Lecture 3.6 Practice Exam Available	Review for Exam	Online Lecture 6.1/6.2 <b>Due:</b> OHW3.6, PE1
4/12/2021	<b>Exam #1</b>	Online Lecture 6.3	Online Lecture 6.4 <b>Due:</b> OHW6.1-6.2
4/19/2021	Zoom Lecture 6.4 Class Activity	Online Lecture 4.1	Online Lecture 4.2 <b>Due:</b> OHW6.3-6.4, CA5
4/26/2021	Zoom Lecture 4.1-4.3 Class Activity	Online Lecture 4.3/4.4	Online Lecture 4.8/5.1 <b>Due:</b> OHW4.1-4.2, CA6
5/3/2021	Zoom Lecture 5.1/5.2 Class Activity	<i>No Class</i> Mental Health Day	Online Lecture 5.3/5.4 <b>Due:</b> OHW4.3-5.2
5/10/2021	Zoom Lecture 5.3/5.4 Class Activity	Online Lecture 4.5	Online Lecture 4.6/4.7 <b>Due:</b> OHW5.3-5.4, CA7
5/17/2021	Zoom Lecture - Applications Practice Exam Available	Review for Exam	Online Lecture 4.9 <b>Due:</b> OHW4.5-4.7, PE2
5/24/2021	<b>Exam #2</b>	Online Lecture 10.1/10.2	Online Lecture 10.3/10.4 <b>Due:</b> OHW4.9
5/31/2021	Zoom Lecture 2.9 Class Activity	Review for Final	Review for Final <b>Due:</b> OHW10+2.9, CA8
6/7/2021	<b>Final Exam</b> 7:30-10:00am (Cumulative)	<i>Finals Week</i>	

**Modifications or omissions may occur due to unforeseen circumstances.**