

Point Loma Nazarene University

Department of Mathematical, Information and Computer Science

MTH131-1	Computer Aided Calculus
Class Time	T 7:30 am – 9:10 am
Location	LW 220
Instructor	Jesus Jimenez, Ph.D.
Office	RS 218
Phone	619-849-2634
Email	jjimenez@ptloma.edu
Office Hours	T 9:30-10:45 am, 1:00-2:45 pm or by appointment
Textbook	W 1:00- 2:00 pm
Exam 1	Feb 28
Final Exam	Apr 24

Course Description Introduction to the use of a computer algebra system to complement the knowledge of calculus.

Grade Distribution	One partial exam (points)	25	points
	Final Exam	30	points
	Labs	45	points
	Total	100	points

Grading Scale	A	B	C	D	F
+	>87.5%	>77.5%	>67.5%	<60%	
	>92.5%	>82.5%	>72.5%	>62.5%	
--	>90%	>80%	>70%	≥60%	

Course Requirements **Co-requisites**
MTH144 or a score of 3 or more in AP114 or AP115

Homework Labs will be assigned during the week and collected the following week.

Final Exam The Final Exam is a **COMPREHENSIVE** examination.

Resources Library

Tutorial Center The tutorial center (located in the Bond Academic Center) may have tutors that can help you clarify questions you may have regarding material covered in class or about the homework.

Mathematics Learning Center The Mathematics Learning Center (located on the second floor of Rohr Science) may have tutors that can help you clarify questions you may have regarding material covered in class or about the homework. Check with department assistant for the schedule.

Attendance:

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 in which a student is registered is considered essential to optimum academic achievement. Therefore, regular attendance and participation in each course are minimal requirements to be met. There are no allowed or excused absences except when absences are necessitated by certain university-sponsored activities and are approved in writing by the Provost. Whenever the number of accumulated absences in a class, for any cause, exceeds ten percent of the total number of class meetings, the faculty member has the option of filing a written report to the Vice Provost for Academic Administration which may result in de-enrollment, pending any resolution of the excessive absences between the faculty member and the student...If the date of de-enrollment is past the last date to withdraw from a class, the student will be assigned a grade of W or WF (no grade). There are no refunds for courses where a de-enrollment was processed." (see catalog for full text)

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.

Academic Accommodations:

While all students are expected to meet the minimum academic standards for completion of this course as established by the instructor, students with disabilities may require academic accommodations. At Point Loma Nazarene University, students requesting academic accommodations must file documentation with the Disability Resource Center (DRC), located in the Bond Academic Center. Once the student files documentation, the Disability Resource Center will contact the student's instructors and provide written recommendations for reasonable and appropriate accommodations to meet the individual needs of the student. This policy assists the university in its commitment to full compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities (ADA) Act of 1990, and ADA Amendments Act of 2008, all of which prohibit discrimination against students with disabilities and guarantees all qualified students equal access to and benefits of PLNU programs and activities.

Students with learning disabilities who may need accommodations should discuss options with the instructor during the first two weeks of class.

Academic Honesty:

The Point Loma Nazarene University community holds the highest standards of honesty and integrity in all aspects of university life. Academic honesty and integrity are strong values among faculty and students alike. Any violation of the university's commitment is a serious affront to the very nature of Point Loma's mission and purpose.

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. Such acts include plagiarism, copying of class assignments, and copying or other fraudulent behavior on examinations. For more details on PLNU's policy go to:

<http://www.pointloma.edu/experience/academics/catalogs/undergraduate-catalog/point-loma-education/academic-policies>

A student who is caught cheating on any item of work will receive a zero on that item and may receive an "F" for the semester. See the PLNU Catalog for a further explanation of the PLNU procedures for academic dishonesty.

FINAL EXAM: DATE AND TIME

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. 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 change the exam date and time for that particular student.

CLASS LEARNING OUTCOMES

Students will be able to use technology to solve problems.

Students will master the fundamentals of using a computer algebra system.

Students will solve calculus problems using a computer algebra system.

Daily Schedule

Date	Topic
Jan 15	Introduction to Maxima (Lab 1)
Jan 17	
Jan 22	Lab 2
Jan 24	
Jan 29	Lab 3
Jan 31	
Feb 5	Lab 4
Feb 7	
Feb 12	Lab 5
Feb 14	
Feb 19	Lab 6
Feb 21	
Feb 26	Exam 1
Feb 28	
Mar 5	Spring Break
Mar 7	Spring Break
Mar 12	Lab 7
Mar 14	
Mar 19	Lab 8
Mar 21	
Mar 26	Lab 9
Mar 28	Easter Recess
Apr 2	Lab 10
Apr 4	
Apr 9	Lab 11
Apr 11	
Apr 16	Lab 12
Apr 18	
Apr 23	Final Exam
Apr 25	
Apr 30	