

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 9:30-12:00, 1:30-4:00 or by appointment
Textbook	Labs will be handed out
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
+		>86%	>76%	>66%	<59%
	>90%	>83%	>73%	>63%	
--	>88%	>80%	>70%	≥59%	

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 section. In the event of an absence you are responsible for the material covered in class and the assignments given that day. See the Point Loma Nazarene University Catalog for a statement of the university's policy with respect to attendance. Remember that missing more than one and a half week's worth of classes can result in a failing grade.

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 ACCOMADATIONS

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.

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 comfortable using technology to solve problems.

MTH131

Students will be comfortable using technology to solve problems.

Schedule		Week	
		1	
Jan 16		2	MLK day. No class
Jan 18			Introduction to Maxima (Lab 1)
Jan 20			
		3	
Jan 24			Lab 2
		4	
Jan 31			Lab 3
		5	
Feb 7			Lab 4
		6	
Feb 14			Lab 5
		7	
Feb 21			Lab 6
		8	
Feb 28			Exam 1
		9	
Mar 6			Spring Break
			Spring Break
			Spring Break
		10	
Mar 13			Lab 7
		11	
Mar 20			Lab 8
		12	
Mar 27			Lab 9
		13	
Apr 3			Lab 10
		14	
Apr 10			Lab 11
		15	
Apr 17			Lab 12

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Apr 24 **Final Exam**

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