Point Loma Nazarene University
Department of Mathematical, Information and Computer Sciences

MTH164-1	Calculus I
Class Time	MW 8:30 am – 9:25 am F 7:25 am – 9:25 am
Location	**RLC 108**
Instructor	Jesús Jiménez, Ph.D.
Office	RS 218
Phone	619-849-2634
Email	jjimenez@pointloma.edu
Office Hours	MWF **11:00 am – 12:00 pm**
	TR **9:30 am – 10:30 am**
Textbook	Calculus, 8th Edition by James Stewart
Exam 1	**9/28/2016**
Exam 2	**10/26/2016**
Exam 3	**11/30/2016**
Final Exam	**Monday, Dec 12 @ [7:30 - 10:00 AM]**
Partial Exams Policy	Make-up tests (or the exam) will be given only by arrangement prior to the test (exam) scheduled date with the instructor for reasons of documented emergency.
Final Exam Policy	Successful completion of this class requires taking the final examination **on its scheduled day**. The final examination schedule is posted on the Class Schedules site. No requests for early examinations or alternative days will be approved.

Grade Distribution

Three partial exams @ 150 points each	450	points
Final Exam	300	points
Homework	150	points
Labs	100	points
Total	1000	points

Grading Scale

	A	B	C	D	F
+		>86%	>76%	>66%	<59%
	>90%	>83%	>73%	>63%	
−	>88%	>80%	>70%	≥59%	

Course Requirements	Prerequisites MTH123 or MTH133, or equivalent.
Homework	Homework will be assigned during the week and it will be collected the following Friday.
Late Work Policy	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.
Labs	Labs will be assigned on Fridays and collected the following Friday. There will be two lab exams (a midterm and a final).
Final Exam	The Final Exam is a **COMPREHENSIVE** examination.
Resources	Library, Computer Lab, Math Tutoring Center

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 becomes an expression of faith. Being of Wesleyan heritage, we aspire 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.

COURSE DESCRIPTION
This course main focus is the Calculus of the elementary functions of one variable. Topics included are, limits, continuity, derivatives, integration and applications.

COURSE LEARNING OUTCOMES FOR MTH164
- Students will be able to demonstrate facility with analytical concepts.
- Students will be able to demonstrate facility with algebraic structures.
- Students will be able to use technology to solve problems.
- Students will be able to speak about their work with precision, clarity and organization.
- Students will be able to write about their work with precision, clarity and organization.
- Students will collaborate effectively in teams.
- Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand.
- Students will be able to gather relevant information, examine information and form a conclusion based on that information.
- Students will be able to understand and create arguments supported by quantitative evidence, and they can clearly communicate those arguments in a variety of formats.

GENERAL EDUCATION COURSE STATEMENT
This course is one of the components of the General Education Program at Point Loma Nazarene University, in support of the general education learning outcome: *Quantitative Reasoning: Students will be able to solve problems that are quantitative in nature*. The purpose of general education is to provide a common educational experience, to develop essential skills, and to provide a broad cultural background for personal and professional growth.

GENERAL EDUCATION LEARNING OUTCOMES
- Students will be able to solve problems that are quantitative in nature.
- Students will be able to formulate a mathematical model from a verbal description of a problem.
- Students will be able it solve non-routine problems using logic and quantitative techniques.
- Students will be able to construct solutions to problems using computational techniques

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 as approved in writing by the Provost for specific students participating in certain university-sanctioned activities. Excused absences still count toward the 10%-20% limits, but allow students to make up work, quizzes, or tests missed as a result of a university-sanctioned activity. Activities of a unique nature, such as labs or other activities identified clearly on the syllabus, cannot be made up except in rare instances when instructors have given advanced, written approval for doing so. Whenever the number of accumulated absences in a class, for any cause, exceeds ten (10) percent of the total number of class meetings, the faculty member should send an e-mail to the student and the Vice Provost for Academic Administration (VPAA) warning of attendance jeopardy. If more than twenty (20) percent of the total number of class meetings is reported as missed, the faculty member or VPAA may initiate the student's de-enrollment from the course without further advanced notice to 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 consistent with university policy in the Grading section of the catalog. There are no refunds for courses where a de-enrollment was processed. For more details see the PLNU catalog: http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278#Class_Attendance

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.

ACADEMICS ACOMODATIONS
While all students are expected to meet the minimum academic standards for completion of their courses as established by the instructors, students with special needs 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 contacts the student's instructors and provides 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 special needs and guarantees all qualified students equal access to the benefits of PLNU programs and activities. For more details see the PLNU catalog:
http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278#Academic_Accommodations

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. Any violation of the university's commitment is a serious affront to the very nature of Point Loma's mission and purpose. Violations of academic honesty include cheating, plagiarism, falsification, aiding academic dishonesty, and malicious interference. The details of PLNU's meaning of each of these words can be found in the PLNU catalog at:
http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278#Academic_Honesty

A student remains responsible for the academic honesty of work submitted in PLNU courses and the consequences of academic dishonesty beyond receipt of the final grade in the class and beyond the awarding of the diploma. Ignorance of these catalog policies will not be considered a valid excuse or defense. Students may not withdraw from a course as a response to a consequence.

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
http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278#Academic_Honesty

DATE AND TIME FOR THE FINAL EXAM
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.

COPYRIGHT PROTECTED MATERIAL
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.

CREDIT HOUR
In the interest of providing sufficient time to accomplish the stated course learning outcomes, this class meets the PLNU credit hour policy for a 4 unit class delivered over 16 weeks. Specific details about how the class meets the credit hour requirements can be provided upon request.

EDUCATION RECORDS (FERPA) AND DIRECTORY INFORMATION
The Family Educational Rights and Privacy Act (FERPA) of 1974 as amended affords students certain rights with respect to their education records. These include: 1) the right to inspect and review the student's education records within 45 days of the day the university receives a request for access, 2) the right to request the amendment of the student's education records that the student believes are inaccurate or misleading, 3) the right to consent to disclosures of personally identifiable information contained in the

student's education records, and 4) the right to file a complaint with the U.S. Department of Education concerning alleged failures by Point Loma to comply with the requirements of FERPA.

FERPA has specifically identified certain information called directory information that may be disclosed without student consent. Although directory information may be disclosed without student consent, PLNU is not required to release directory information.

The university has defined directory information as name, address (including electronic mail), telephone number, date and place of birth, major field of study, dates of attendance, enrollment status, degrees, honors and awards received, participation in officially recognized activities and sports, weight and height of members of athletic teams, degree candidacy, and the most recent previous educational agency or institution attended. This information may be provided, upon review by the Vice Provost for Academic Administration, as public information or to individuals who demonstrate a valid need to contact students. Photographs of students may also be used in various university publications or on the university website. Students who prefer that their photograph not be used, must inform the Office of Marketing and Creative Services of their request prior to the second Monday of each semester.

The university may disclose education records to college officials with legitimate educational interests. A college official is a person employed by the university; a member of the Board of Trustees; or an individual serving on a committee, such as disciplinary or grievance committees. A college official has a legitimate educational interest if the information aids the official in fulfilling professional functions. PLNU also includes among college officials a student appointed to an official committee or assisting another official in performing tasks and outside service providers who perform an institutional service of function such as attorneys, auditors, and the National Student Clearinghouse. The university may also disclose education records to post-secondary institutions in which a student is seeking or intending to enroll, or is already attending if the disclosure is for purposes related to the student's enrollment or transfer.

Questions relative to FERPA policies should be referred to the Office of the Vice Provost for Academic Administration or may be referenced at FERPA.
(http://catalog.pointloma.edu/content.php?catoid=18&navoid=1278#Education_Records__FERPA__and_Directory_Information)

Homework and Daily Schedule

Week	Date	Section	Homework	Homework Due Date
1	30-Aug-16	1.1	3, 8, 10, 13, 21, 23, 25, 32, 34, 43, 56, 64, 72, 75, 79	9-Sep-16
	31-Aug-16	1.2	2, 4, 5, 8, 11, 15, 20, 21, 27, 30, 31	9-Sep-16
	2-Sep-16	1.3	2, 3, 4, 7, 15, 26, 29, 31, 41, 52, 56, 62, 66	9-Sep-16
2	5-Sep-16	No Class	Labor Day	
	7-Sep-16	1.4	1, 2, 5, 7	16-Sep-16
	9-Sep-16	1.5	1, 3, 5, 7, 8, 11, 16, 17, 19, 33, 42, 50, 53	16-Sep-16
3	12-Sep-16	1.6	1, 2, 3, 5, 17, 24, 25, 34, 36, 41, 50, 66	23-Sep-16
	14-Sep-16	1.7	1, 3, 7, 11, 19, 27, 32, 37, 44	23-Sep-16
	16-Sep-16	1.8	2, 6, 8, 9, 10, 11, 21, 23, 34, 43, 44, 53, 67	23-Sep-16
4	19-Sep-16	2.1	3, 5, 9, 11, 14, 17, 22, 23, 33, 40, 48, 53, 59	30-Sep-16
	21-Sep-16	2.2	1, 3, 5, 7, 8, 11, 16, 17, 19, 33, 42, 50, 53	30-Sep-16
	23-Sep-16	2.3	2, 5, 12, 18, 24, 26, 32, 32, 35, 47, 50, 51, 60, 61, 68, 73, 90, 94, 101, 105	30-Sep-16
5	26-Sep-16		**Review for Exam 1**	
	28-Sep-16		**Exam 1**	
	30-Sep-16	2.4	3, 7, 21, 28, 33, 37, 41, 42, 44	7-Oct-16
6	3-Oct-16	2.5	4, 7, 10, 12, 19, 24, 44, 53, 63, 65, 67, 68, 73, 80, 84	14-Oct-16
	5-Oct-16	2.6	3, 10, 18, 22, 25, 32, 44, 48, 49, 51, 56, 59	14-Oct-16
	7-Oct-16	2.7	3, 5, 14, 20, 28, 29, 42, 49	14-Oct-16
7	10-Oct-16	2.8	1, 4, 7, 13, 17, 19, 23, 31, 39, 41, 42, 49	21-Oct-16
	12-Oct-16	2.8		
	14-Oct-16	2.9	3, 5, 10, 13, 17, 25, 33, 38, 39, 41	21-Oct-16
8	17-Oct-16	3.1	3, 5, 9, 13, 17, 22, 31, 37, 47, 55, 65, 66, 70, 72	28-Oct-16
	19-Oct-16	3.2	1, 4, 5, 10, 11, 18, 19, 23, 28, 31, 35	28-Oct-16
	21-Oct-16	No Class	Fall Break	
9	24-Oct-16		**Review for Exam 2**	
	26-Oct-16		**Exam 2**	
	28-Oct-16	3.3	1, 5, 7, 8, 11, 20, 26, 30, 31, 58, 74	4-Nov-16
10	31-Oct-16	3.4	4, 5, 7, 13, 20, 24, 31, 33, 43, 44, 57, 61	11-Nov-16
	2-Nov-16	3.5	1, 13, 22, 25, 29, 35, 42, 42, 55, 58	11-Nov-16
	4-Nov-16	3.7	1, 3, 6, 9, 11, 21, 43, 47, 51, 78, 79	11-Nov-16
11	7-Nov-16	3.8	1, 4, 9, 11, 17, 24, 28, 32, 38, 40	18-Nov-16
	9-Nov-16	3.9	1, 10, 13, 18, 21, 29, 37, 51, 58, 70	18-Nov-16
		4.1	2, 5, 7, 13, 18, 19, 21, 24, 27	18-Nov-16
	11-Nov-16	4.2	2, 4, 5, 8, 9, 15, 19, 27, 34, 38, 47, 52, 53, 60, 70	18-Nov-16
12	14-Nov-16	4.3	2, 7, 11, 17, 19, 26, 27, 36, 42, 47, 52, 60, 66, 77	25-Nov-16
	16-Nov-16	4.3		
	18-Nov-16	4.4	1, 4, 7, 13, 24, 42, 45, 47, 52, 55, 57, 61, 65	25-Nov-16
13	21-Nov-16	4.5	2, 6, 8, 17, 21, 28, 31, 38, 41, 44, 51, 58, 59, 66	2-Dec-16
	23-Nov-16	No Class	Thanksgiving Day	
	25-Nov-16	No Class	Thanksgiving Day	
14	28-Nov-16		**Review for Exam 3**	
	30-Nov-16		**Exam 3**	
	2-Dec-16	5.1	1, 6, 14, 23, 27, 29, 31, 33, 35, 40, 42, 47, 50, 53	9-Dec-16
15	5-Dec-16	5.2	1, 4, 11, 15, 32, 40, 44, 45, 48, 49, 55, 62, 63, 71	9-Dec-16
	7-Dec-16	5.3	3, 7, 13, 18, 23, 29, 30, 33, 34, 38, 45, 48	12-Dec-16
	9-Dec-16	5.4	1, 5, 6, 9, 13	12-Dec-16
		5.5	1, 5, 7, 9, 15, 17, 20, 23	12-Dec-16
16	12-Dec-16	**Final Exam**	7:30 am - 10:00 am (COMPREHENSIVE)	

Lab Calendar						
Week	**Date**	**Activity**		**Week**	**Date**	**Activity**
1	2-Sep	Coke		8	28-Oct	Work 1
2	9-Sep	Aids 1		9	4-Nov	Work 2
3	16-Sep	Aids 2		10	11-Nov	Population
4	23-Sep	Aids 3		11	18-Nov	Finance 1
5	30-Sep	Aids 4		12	25-Nov	Finance 2
6	7-Oct	Review		13	2-Dec	Finance 3
7	14-Oct	**Exam 1**		14	9-Dec	**Final Exam**