

**POINT LOMA NAZARENE UNIVERSITY  
MATHEMATICS 123  
FUNCTIONS**

TERM: FALL 2013  
INSTR.: Coach BLAMEY  
EMAIL: TOMBLAMEY@POINTLOMA.EDU

**CLASS HOURS:** T/TH 3:00-4:15PM (RLC 108)  
**OFFICE HOURS:** T 4:15PM (RLC 108) or by Apt.  
**TEXTBOOK:** Precalculus: Zill/Dewar, 5<sup>th</sup> Ed. (Prior edition is fine)  
**REQUIRED MATERIALS:** Calculator: Cheap but functional.  
**PREREQUISITE:** Math 113 (or equivalent).

**COURSE DISCRIPTION:**

This course is designed to give a basic introduction to functions and skills necessary for the study of calculus. We will study polynomial, rational, exponential, logarithmic, and trigonometric functions, coordinate geometry, and graphing.

**Course Philosophy**

Mathematics is learned primarily by doing Mathematics—not simply listening to it; that is, the effective learning of mathematics is an active process, involving participation. Thus, the course aims to maximize student involvement, hence student achievement.

Individual concepts in mathematics are learned (mastered as opposed to memorized) by thinking and working through numerous examples and exercises which involve these concepts; by this process mathematical concepts become familiar, and less abstract.

The instructor is responsible for overall planning, for directing instructional activities, and for evaluation of student achievement.

You are ultimately responsible for your own achievement. For example, you are responsible for meeting all scheduled activities of the course, such as class meetings, problem assignments, exams, and the final examination; you are also responsible for regular work outside of class in preparation for class lectures and discussions.

**STUDENT LEARNING OUTCOMES:**

Students will be able to sketch graphs of many different types of functions, utilizing mathematical reasoning and careful analysis.

Students will be able to solve both equations and inequalities, recognizing problem types and applying appropriate mathematical strategies to find solutions.

Students will be able to recognize a system of equations and apply mathematical reasoning to solve these systems both graphically and algebraically, communicating their thought processes in logical and understandable ways.

**GRADES:**

	A	92.5% or Above	A-	90% to 92.4%
B+	B	82.5% to 87.4%	B-	80% to 82.4%
C+	C	72.5% to 77.4%	C-	70% to 72.4%
D+	D	62.5% to 67.4%	D-	60% to 62.4%

*TEAM QUIZZES:* 15% of your grade.

*HOMEWORK:* 15% of your grade.

*INDIVIDUAL QUIZZES:* 20% of your grade.

*MIDTERM:* 25% of your grade.

*FINAL EXAM:* 25% of your grade.

*EXTRA CREDIT:* Up to 3% of total grade via board work participation.

**ATTENDANCE:** After you miss the equivalent of 4 class periods, you will be warned of impending de-enrollment. If you miss the equivalent of 7 class periods, you will be de-enrolled. 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 (provide 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) may easily result in a grade of F on the official transcript.

**INSTRUCTOR ABSENCES:** If no substitute appears within 20 minutes of starting time, students may sign an attendance sheet and leave (the last student to sign the attendance sheet will bring it to the next class).

**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.

General Advice: The key to success in this class is to attend lectures regularly and do your homework. You learn mathematics by doing it yourself. You should expect to spend approximately two hours outside of class for every one hour in class working on homework and going over concepts. 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.

Sources of Help:

1. Me. If you have questions, ask me.
2. FREE TUTORING- Math Learning Center, RS-230 and Bond Academic Center.
3. Other classmates. Form study groups! Work together!

**Fall Semester 2013 - Coach Blamey  
Mathematics 123**

**Tentative Schedule**

Week Beginning	Monday	Tuesday	Wednesday	Thursday	Friday
September 2, 2013	Holiday	No Tuesday Class		Intro (Math 113 Final)	
September 9, 2013		Ch. 1		Ch. 1	
September 16, 2013		Ch2		Ch2	
September 23, 2013		Ch2		Ch3	
September 30, 2013		Ch3		Ch3	
October 7, 2013		Midterm Review		Midterm	
October 14, 2013		Ch5		Ch5	
October 21, 2013		Ch5		Ch4	Fall Break
October 28, 2013		Ch4	Midterm Grade Posted	Ch4	Drop Deadline
November 4, 2013		Ch4		Ch6	
November 11, 2013		Ch6		Ch6	
November 18, 2013		Project I		Project II	
November 25, 2013		Ch8	Thanksgiving Recess	Thanksgiving Recess	Thanksgiving Recess
December 2, 2013		Ch8		Ch8	
December 9, 2013		Final Review		Final Review	
December 16, 2013				Final Exam 4:30 to 6:30pm	