

# Fall 2013 Math 113 Syllabus

Fall 2013 Intermediate Algebra- Math 113-1 Syllabus

**MTH 113-1** Intermediate Algebra

**Class Time** T TH 3:00 – 4:15

**Location** RLC 106

**Instructor** Mr. Max Hankins

**Office** RS 210

**Phone** 619-849-2723

**Email** mhankins@pointloma.edu

**Office Hours** T Th 11:45-3:00 or by appointment

**Textbook:** Intermediate Algebra 5<sup>th</sup> Edition, by Larson

**Prerequisite:** Math 099 or equivalent

## **Important Dates**

**Exam 1** October 8

**Exam 2** November 7

**Final exam** December 19, 4:30 - 7:00

## **Course Description:**

A review and extension of elementary algebra, solution of linear and quadratic equations, radicals, inequalities, linear and quadratic functions, polynomial functions, exponential and logarithms functions and graphing.

## **Course Learning Outcomes:**

Students will be able to solve complicated polynomial equations.

Students will be able to use graphing to solve equations.

## **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:** Fall 2013 Intermediate Algebra- Math 113-1 Syllabus

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.

**Grading:** Grades for the course will be based on homework (15%), a poster session (5%), a report (5%), two exams (20% each; total of 40%), and a final exam (35%).

**Homework (15%):** Homework will be assigned every class meeting. A homework assignment is late if it is not received at the start of class on the due date. No late homework will be accepted; Please be sure that your homework is stapled together, sections are separated, there is a space between problems and the problems are in order. Your homework will be the knowledge check problems in the book, except for Chapters 6 and 10. There is no homework for 6 and 10. The knowledge check problems will include 50 extra credit problems.

**Poster Session (5%):** The poster session will be a group project on Chapter 6, Rational Functions. You will have one class period for your group to work on it, as well as time outside of class. On the poster session day, you will be expected to explain the subject to the class using your poster. Points will be assigned on the basis of correctness, understandability, neatness/appeal/creativity, and the in-class explanation.

**Project Report (5%):** Your project will also be a group project, due on Thursday 12/5. Points will be assigned on the basis of correctness, organization, neatness/appeal/creativity, and understandability. You may come by my office whenever your rough draft is done and I will evaluate your work for you, if you like.

**Tests and Final Exam (20% each and 35%):** Tests and the Final Exam 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 by me 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. The examination schedule is included in the daily schedule. I do not intend to accept excuses such as poor communication with parents, benefactors, sport team sponsors and/or travel agents.

**Please note: The Final Exam is COMPREHENSIVE.**

**December 19, (Thursday) at 4:30 to 7:00**

**Grading Scale:** Course grades will be assigned according to the following scale:

Grading Scale in percentages

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</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]
-	[90, 92.5)	[80, 82.5)	[70, 72.5)
		[60, 62.5)	

**Cell Phones:** Turn off any cell phone, pager or things that make noise while you are in class. Also, do not text or work on other classes while in class -to do so is disrespectful to me and your classmates.

**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. A good study technique is to read one section ahead, working every example. When doing homework, please note it is normal to not be able to do every problem correct on the first attempt. This is the reason for the 50 extra credit homework points that are included in the problems. Do not be discouraged, instead seek help.

**Sources of Help:**

1. Me. If you have questions, ask me. See office hours.
2. FREE TUTORING- Math Learning Center, RS-230. Hours are posted on the door.
3. Other classmates. Form study groups! Work together!

WEEK	Tuesday	Thursday
1		9/5 Course introduction 1.1-1.2 The Real Number System Using Your Textbook
2	9/10  1.2-1.4 Properties of Reals Algebraic Expressions Math as a Language	9/12  1.5,2.1 Algebraic Expressions Linear Equations Class time skills
3	9/17  2.2-2.3 Linear Equations Problem Solving Group study skills	9/19  2.4-2.5 Inequalities Absolute Value Equations Learning strategies
4	9/24  3.1-3.2 Coordinates Graphs of Equations Memory skills	9/26  3.3-3.5 Graphs of Linear Equations Equations of Lines Graphs of Inequalities Test study skills
5	10/1  day off	10/3  3.6-3.7 Relations and Functions Graphs of Functions Review Test taking strategies

	10/8	10/10
6	Exam 1 Chapters 1-3	4.1-4.2 Systems of Equations Linear Systems in 2 Variables Keeping a Positive Attitude
	10/15	10/17
7	4.3-4.4 Linear Systems Matrices	4.5, 5.1 Linear Systems Determinants Systems of Inequalities
	10/22	10/24
8	5.1-5.3 Exponents Polynomials	5.4-5.6 Factoring Polynomials
	10/29	10/31
9	Chapter 6 Poster session prep	Chapter 6 Poster Presentation
	11/5	11/7
10	7.1 Radicals Rational Exponents Review	Exam 2  Chapters 4-6
	11/12	11/14
11	7.2-7.3 Simplifying Radicals Addition of Radicals	7.4-7.5 Multiplication of Radicals Radical Equations Applications

	11/19	11/21
12	7.6, 8.1 Complex Numbers Quadratic Equations	8.2-8.3 Completing the Square The Quadratic Formula
	11/26	11/28
13	8.4-8.5 Graphs of Quadratics Applications	Thanksgiving
	12/3	12/5
14	8.6, 9.1 Quadratic Inequalities Rational Inequalities Exponential Functions Final exam study skills	9.2-9.3 Composite Functions Inverses Logarithmic Functions Chaper 10 Report due
	12/10	12/12
15	9.4-9.5 Properties of Logs Solving Log and Exponential Functions	9.6 Applications Review
		12/19
16		4:30-7:00 Final Exam