

## Intermediate Algebra PLNU, Fall 2015

**Course:** Math 113      **Section:** 1      **Units:** 3  
**Days:** Mo, We      **Time:** 6:00pm-7:15pm      **Room:** RLC-102  
**Instructor:** Kyle Havens      **E-mail:** khavens101@gmail.com      **Cell:** (619) 990-4714

**Course Website:** [sites.google.com/site/havensmath/math-113](https://sites.google.com/site/havensmath/math-113)

### Required Materials:

1. Textbook: *Intermediate Algebra*, 12<sup>th</sup> Edition by Lial, Hornsby, McGinnis
2. Scientific Calculator

**Office Hours:** Will be held Mondays/Wednesdays from either 5-6pm or 7:15-8:15pm in S210 or the library based on class preference.

**Prerequisite:** Math 99 (or equivalent)

**Canvas:** Course announcements will be made online through Canvas ([canvas.pointloma.edu](https://canvas.pointloma.edu)). You should be emailed whenever an announcement is posted.

**Course Description:** A review and extension of elementary algebra, solutions of linear and quadratic equations, radicals, inequalities, linear and quadratic functions, polynomial functions, exponential and logarithmic functions, conic sections, sequences and series and graphing. Offered every semester.

### Student Learning Outcomes:

1. Students will be able to solve complicated polynomial equations.
2. Students will be able to use graphing to solve equations.
3. Students will be able to solve problems using polynomial, rational, exponential and logarithmic functions.

**Course Philosophy:** Mathematics requires active participation. Participation means: asking questions, making conjectures and checking them, providing solutions to problems, sharing ideas with classmates.

**Final Grade Breakdown:** Your total score will be calculated with the following weight system:

- 30% Homework average
- 40% Exam average (2 total, in class)
- 30% Final Examination (if you do not take the final, you will get an "F")

**Letter Grade:** The letter grade you receive will be based on your total score is as follows:

Grading Scale in percentages				
	A	B	C	D
+		(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)

**Final Exam:** The final exam is cumulative and will be held at the following time:

**Monday, December 14<sup>th</sup> from 7:30pm to 10:00pm.**

**Homework:** 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; however the two lowest homework scores will be dropped. Please be sure that your homework is stapled together and the problems are in order. Homework will be scored on a combination of completeness and correctness. A random selection (the same for all people) of the problems will be graded on any homework assignment.

**Exams:** There will be a total of two normal exams covering roughly four or five chapters of material. No notes/books allowed on exams unless specified. Cell phones are not allowed on exams. No make-up exams are given. Missing an exam will result in a zero on that exam. Contact me before missing an exam if you have an emergency.

**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. See office hours.
2. Other classmates. Form study groups! Work together!

**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](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.

**Academic Accommodations:**

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

**Copyright Protected Materials**

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**Modifications may occur due to unforeseen circumstances**

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<b>Week of</b>	<b>Monday</b>	<b>Wednesday</b>
8/31	<b>No Class</b> PLNU	<b>Course Intro</b> Syllabus, schedule, etc
9/7	<b>No Class</b> Labor Day	<b>Chapter 1</b> 1.1-1.3
9/14	<b>Chapter 1</b> 1.4, 1.5	<b>Chapter 1</b> 1.6, 1.7
9/21	<b>Chapter 2</b> 2.1-2.3	<b>Chapter 2</b> 2.4, 2.5
9/28	<b>Chapter 2</b> 2.6, 2.7	<b>Chapter 4</b> 4.1, 4.2
10/5	<b>Chapter 4</b> 4.3, 4.4	<b>Chapter 4</b> 4.5, 5.1
10/12	<b>Ch. 1,2,4</b> Review Day	<i>Exam #1</i>
10/19	<b>Chapter 5</b> 5.1-5.3	<b>Chapter 5</b> 5.4, 5.5
10/26	<b>Chapter 7</b> 7.1-7.3	<b>Chapter 7</b> 7.4, 7.5
11/2	<b>Chapter 8</b> 8.1, 8.2	<b>Chapter 8</b> 8.3, 8.4
11/9	<b>Chapter 8</b> 8.5, 8.6	<b>Ch. 5,7,8</b> Review Day
11/16	<i>Exam #2</i>	<b>Chapter 9</b> 9.1, 9.2
11/23	<b>Chapter 9</b> 9.3, 9.4	<b>No Class</b> Thanksgiving
11/30	<b>Chapter 9</b> 9.5, 9.6	<b>Extra Topic</b> Conic sections
12/7	<b>Extra Topic</b> <b>Sequences/Series</b>	Review for Final Exam
12/14	<b>FINAL EXAM</b> Dec. 14 @ 7:30pm	