Math 1013 College Algebra (3.0 units)

Time & Place: 4:05-5:15 MW in LA Room 1

Instructor: Prof. Max Hankins

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office phone: 619-849-2723

Office: Second Floor Rohr Science, #278

Office hours: MW 2:00 – 3:45 or by appointment (please email for appointment).

Important Dates:	**Mid Term Exam: Wednesday, 10/23, 4:05-5:15**
	Final Exam (comprehensive): Monday, 12/16, 4:30- 7:00

Text: Intermediate Algebra, 13-th ed., by Lial, Hornsby & McGinnis,   new or online version, with My Mathlab enrollment code, published by Pearson

Prerequisites: MTH-099 or appropriate score on placement test.

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.

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, series and graphing.

LEARNING OUTCOMES

The learning outcomes are:

Students will be able to perform basic operations on the real numbers.
Students will be able to solve and graph linear equations and inequalities.
Students will be able to solve basic polynomial problems.
Students will be able to solve basic rational function problems.
Students will be able to solve basic radical function problems.
Students will be able to solve basic exponential and logarithmic function problems.
Students will be able to solve basic conic section problems.

COURSE PHILOSOPHY

Mathematics requires active participation. Participation means: Doing the classwork, doing the homework, providing solutions to problems, sharing ideas with classmates.

ASSESSMENT AND GRADING

Grades for the course will be based on:

Mid-term exam	30% of the course grade
Homework	15% of the course grade
Classwork	5% of the course grade
Daily Problems	5% of the course grade
Review Worksheets	5% of the course grade
Final exam (comprehensive)	40% of the course grade
Total:	100%

Grading Scale: Approximate minimal percentages required to obtain a given grade are:

Grades in percentages

	A	B	C	D	F
+		[87.5,90)	[77.5, 80)	[67.5, 70)	[0,60)
	[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)	

Homework (15%): Homework will be assigned every class meeting. All homework assigned will be due as prescribed by the Mathlab site. All homework will be done using the online Mathlab resource. Extra credit opportunities are factored into the homework. Late homework will be assessed a 25% penalty.

Classwork (5%): Classwork will be done every class meeting and turned in at the end of class. It will be checked for completeness and returned the next class meeting. You should get a notebook and keep your classwork in it, as it is an excellent study resource.

Daily Problem (5%): The daily problem will be done every class meeting and turned in at the end of class. It will be graded and returned the next class meeting. Again, these should be kept in a notebook for study.

Review worksheets (5%): Review worksheets will be distributed before the midterm and final exams. They will be due on the class prior to the review class day and returned on review day. We will go over these on the review day so you will be ready for the exam.

Mid-term Exam (30%): If you do not take the exam you will receive a zero for it. Late exams may be taken only by <u>prior arrangement with me</u> 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.

Final Exam (40%): The final is **comprehensive and is given Monday, December 16, 4:30 to 7:00 pm**. 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.

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.

Side Note: 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 your classmates and me. You may be asked to leave the class for such behavior, resulting in an absence.

General Advice:

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. When doing the homework on Mathlab, you should work the problem on paper first to minimize lost points. Don't just guess at the answers; instead work the problems out carefully and then select the correct answer.

Sources of Help:

1. Me. If you have questions, ask me. See my office hours or email mhankins@pointloma.edu
2. Other classmates. Form study groups! Work together!
3. The MLC (in Rohr science room 230)- schedule posted outside the room.

University Policies:

FINAL EXAMINATION POLICY

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. This schedule can be found on the university website and in the course calendar. No requests for early examinations will be approved. 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 consider changing the exam date and time for that particular student.

PLNU COPYRIGHT POLICY

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 3-unit class delivered over 15 weeks. Specific details about how the class meets the credit hour requirements can be provided upon request.

PLNU ACADEMIC HONESTY POLICY

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. 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. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for that assignment or examination, or, depending on the seriousness of the offense, for the course. Faculty should follow and students may appeal using the procedure in the university Catalog. See http://catalog.pointloma.edu/content.php?catoid=24&navoid=1581#Academic_Honesty for definitions of kinds of academic dishonesty and for further policy information.

PLNU ACADEMIC ACCOMMODATIONS POLICY

Academic Accommodations:

While all students are expected to meet the minimum standards for completion of this course as established by the instructor, students with disabilities may require academic adjustments, modifications or auxiliary aids/services. At Point Loma Nazarene University (PLNU), these students are requested to register with the Disability Resource Center (DRC), located in the Bond Academic Center. (DRC@pointloma.edu or 619-849-2486). The DRC's policies and procedures for assisting such students in the development of an appropriate academic adjustment plan (AP) allows PLNU to comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. Section 504 (a) prohibits discrimination against students with special needs and guarantees all qualified students equal access to and benefits of PLNU programs and activities. After the student files the required documentation, the DRC, in conjunction with the student, will develop an AP to meet that student's specific learning needs. The DRC will thereafter email the

student's AP to all faculty who teach courses in which the student is enrolled each semester. The AP must be implemented in all such courses.

If students do not wish to avail themselves of some or all of the elements of their AP in a particular course, it is the responsibility of those students to notify their professor in that course. PLNU highly recommends that DRC students speak with their professors during the first two weeks of each semester about the applicability of their AP in that particular course and/or if they do not desire to take advantage of some or all of the elements of their AP in that course.

PLNU ATTENDANCE AND PARTICIPATION POLICY

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 is considered essential to optimum academic achievement. If the student is absent from more than 10 percent of class meetings, the faculty member can file a written report which may result in de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice until the university drop date or, after that date, receive the appropriate grade for their work and participation. See http://catalog.pointloma.edu/content.php?catoid=24&navoid=1581#Class_Attendance in the Undergraduate Academic Catalog.

Schedule:

M	W
	9/4
	1.1-1.3
9/9	**9/11**
1.3-1.5	**1.5-1.7**
9/16	**9/18**
2.1-2.2	**2.3-2.4**

9/23   **9/25**

2.5-2.6   **3.1-3.2**

9/30   **10/2**

3.3-4.1   **4.2-4.3**

10/7   **10/9**

4.4-4.5   **4.6-5.1**

10/14   **10/16**

5.2-5.3   **5.4-5.5**

10/21   **10/23**

Review   **Mid Term Exam**

10/28   **10/30**

6.1-6.2   **6.3-6.4**

11/4   **11/6**

7.1-7.2   **7.3-7.4**

11/11   **11/13**

7.5-7.6   **8.1-8.2**

11/18   11/20

8.3-8.4   8.5-8.6

11/25   11/27

9.1-9.2   Thanksgiving

12/2   12/4

9.3-9.4   9.5-10.1

12/9   12/11

10.2-10.3   Final Review

12/16

 Final Exam 4:00-7:30