

Math 099: Elementary Algebra
Spring 2015

Class:	TR 11:00-12:15 in RS 236
Instructor:	Dr. McKinstry
Contact information:	jeffmckinstry@pointloma.edu
Office:	Rohr Science 216
Office hours:	Monday: 8:30-9:20 a.m., 11:00-11:50, and 2:45-3:50 p.m. Wednesday: 8:30-9:20 a.m., 11:00-11:50, and 2:45-3:50 p.m. Friday: 8:30-9:20 a.m., 11:00-11:50, and 2:45-3:50 p.m.
Textbook:	Angel and Runde, Elementary Algebra for College Students, 9e, with mymathlab access code.

Catalog Description:

MTH099 – Elementary Algebra (3)

An introduction to algebra, including a study of the real number system, solutions of linear and quadratic equations, polynomials, factoring, systems of equations, graphing, inequalities, and radicals. Note: This course does not count toward the minimum 128 units required for graduation.

Learning Outcomes:

- Students will be able to perform basic operations on the real numbers
- Students will be able to solve basic polynomial equations.

Course Description:

This course constitutes an introduction to algebra designed to meet the requirements for graduation and to prepare you for other classes for which this class is a prerequisite. We will study the real number system, solutions of linear and quadratic equations, polynomials, factoring, graphing, inequalities, and radicals.

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 memorize) by thinking and working through numerous examples and exercises which involve these concepts; by this process mathematical concepts become familiar and less abstract.

This course will be conducted using the mymathlab format. Students will take pre-tests, do homework and take quizzes online using their mymathlab account. Successful, on-time completion of these assignments will result in the accumulation of points toward their math lab score.

Class time will be used for:

- Introduction of topics from the text.
- Working examples from the text.

- New material presented in class.
- Questions on subject material.
- Guided exploration of new topics.
- Presentation of student projects.
- Exams

Grading: Grades for the course will be based on:

Mymathlab pre-tests, homework, quizzes (40%),
Two exams (15% each; for a total of 30%),
Final exam (30%).

Pre-tests, Homework and Quizzes (30%):

Assignments will be due each week as given on the mymathlab site. A homework assignment is late if it is not received by its deadline. Late work need not be accepted. Work accepted late due to extenuating circumstances may be assessed a penalty. The lowest two pre-test, homework and quiz grades will be dropped.

Exams and Final (15% each in class exam and 30% final exam):

Examinations and the Final Examination will include problems and questions over material assigned in the text, 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.

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. The final exam is **Tuesday, May 5th, 2015 from 10:30 a.m. to 1:00 p.m.** The final exam is comprehensive.

Grading Scale:

Course grades will be assigned based on the percentage of possible points earned in the course according to the following scale:

	A	B	C	D
+		(87.5, 90.0)	(77.5, 80.0)	(67.5, 70.0)
	[92.5, 100.0]	[82.5, 87.5]	[72.5, 77.5]	[62.5, 67.5]
-	[90.0, 92.5)	[80.0, 82.5)	[70.0, 72.5)	[60.0, 62.5)

Note that scores lower than 60% will result in an F.

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=14&navoid=1089#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=14&navoid=1089#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=14&navoid=1089#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=14&navoid=1089#Academic_Honesty).

Copyright Protected Materials

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.

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.

Read the material prior to coming to class. It is not possible to learn most math "cold" the first time it is presented. If you try working the examples first, you will find it easier to follow me as I work them in class.

Sources of Help:

1. Me. If you have questions, ask me. I am also available during my office hours as listed above, or via email as listed above.
2. FREE TUTORING- Math Learning Center, RS-230. Hours are posted on the door.
3. Other classmates. Form study groups! Work together!
4. The mymathlab site: This site has alternative sources of information on the class material.

Homework Assignments

1. Homework will be assigned after every class period in which we cover something new.
2. Homework is always due at the beginning of the next class period.
3. The homework assigned on a given day will be taken from the "Practice the skills" AND "Problem solving" sections at the end of each section covered. Do the problems with green numbers, AND the problem following it. The sections that will be covered each class period are given in the course schedule below. For example, the sections for the first day are 1.2-1.10. You should do the following problems:
Section 1.2: 21, 22, 27,28, 33,34, 35,36, 37,38, 39,40 and 41,42.
Section 1.3: 15,16, 19,20, 29,30, 37,38, 41,42, 47,48, 49,50, 55,56, 63,64, 71,72, 73,74, 75,76, 85,86, 99,100, 101,102, 103,104, 107,108,
Section 1.4:
...
Section 1.10: 29,30, 35,36, 55,56

This assignment will be due at the beginning of the next class period.
(Note: chapter 1 is mostly review, so there are more problems than normal.)

The green-numbered problems all are similar to one of the example problems, so you can see an example worked out in the chapter that corresponds to the problem you are working on. All green problems are odd numbered. Note that all odd problems have the answer in the back of the book.

Note: I am assigning a minimal set of homework. If you have trouble with certain problems, you may need to work extra problems in order to master that problem type so that similar problems on the examination will be easy for you to solve.

MTH099 Schedule

	Tuesday	Thursday
Wk 1	1/13	1/15 Chapter 1.2-1.10
Wk 2	1/20 Chapter 2.1-2.3	1/22 Chapter 2.4-2.6
Wk 3	1/27 Chapter 2.7-2.8	1/29 Chapter 3.1
Wk 4	2/3 Chapter 3.2-3.3	2/5 Chapter 3.4
Wk 5	2/10 Review for Exam	2/12 Exam #1 (Chapters 1-3)
Wk 6	2/17 Chapter 4.1-4.2	2/19 Chapter 4.3-4.4
Wk 7	2/24 Chapter 4.5-4.6	2/26 Chapter 5.1-5.4
Wk 8	3/3 Chapter 5.5-5.7	3/5 Chapter 6.1-6.4
	Spring Break	Spring Break
Wk 9	3/17 Chapter 6.5-6.8	3/19 Chapter 7.1-7.2
Wk 10	3/24 Chapter 7.3-7.5	3/26 Chapter 7.6 Review for Exam
Wk 11	3/31 Exam #2 (Chapters 4- 7)	4/2 Easter Break
Wk 12	4/7 Chapter 8.1-8.2	4/9 Chapter 8.3-8.4
Wk 13	4/14 Chapter 8.5	4/16 Chapter 9.1-9.3
Wk 14	4/21 Chapter 9.4-9.6	4/23 Chapter 10.1-10.2
Wk 15	4/28 Chapter 10.3-10.4	4/30 Final Exam Review
Finals	5/5 10:30 a.m. -1:00 p.m. FINAL EXAM (Cumulative)	