

Math 114:	Elementary Algebra II
Fall 2008	Instructor: Petikyan, G.

Section: 0127	Class Time: TTh 9:05 to 10:30 a.m.	Location: Math-CTR
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Office Hours:	Office:
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Telephone: (818) 364 –	E-mail:
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**REQUIRED TEXT:**

Elementary Algebra, *Graphs & Models*, by Bittinger/Ellenbogen/Johnson.

**PREQUISITE:**

Math 113 with a grade of C or better, or appropriate skill level demonstrated through the mathematics assessment process.

**COREQUISITE:**

Students enrolled in this section of Math 114 must also enroll in Math 100 section number 0417.

**COURSE OBJECTIVE:**

Factor polynomials using a variety of techniques; solve equations and word problems using factoring; manipulate and simplify algebraic fractions using the basic operations of addition, subtraction, multiplication and division; solve equations containing algebraic fractions; graph equations in two variables; determine equations of lines; solve systems of equations; determine roots; simplify, add, subtract, multiply and divide radicals; solve equations containing radicals; solve quadratic equations using completing the square and the quadratic formula.

**STUDENT LEARNING OUTCOMES:**

1. Simplify algebraic expressions.
2. Solve quadratic and rational equations.
3. Solve a system of two linear equations.
4. Setup and solve application problems.

**COURSE ORGANIZATION:**

The course will follow the attached course schedule as closely as possible. Math 114 is a traditional lecture-based course combined with computer aided instruction and in-class work. Students are required to maintain a notebook. In order to pass Math 114, students must attend at least 75% of all Math 100 class meetings, complete all required lab assignments, and earn an average grade of 70% or above according to the grade calculation.

**HOMEWORK:**

Students should work on their handwritten homework as each section is completed in class. All work must be shown in a logical and neat manner. Homework will be collected and graded every week. No late homework will be accepted.

**ATTENDANCE:**

Attendance is mandatory for all class meetings. You could be dropped after 4 absences but it is your responsibility as a student to drop a class if you decide to stop attending class.

**CHEATING:**

Any work that is not the student's or that the student has allowed others to copy will receive an automatic "F" for the assignment or the course.

**IMPORTANT DATES:**

Last day to drop without a "W": Sept. 26

Last day to drop with a "W": Nov. 21

Final Exam: Thursday, Dec. 18, 2008, 10:00 a.m. to 12:00 noon.

**TUTORIAL SERVICE:**

Free tutoring is available in the **Math Center** located in the basement of the Campus Center building and in the **Math lab** located in the Learning Center. Study group tutorial is also available for a minimum of 4 students per group upon request. MathXL online tutorials can be accessed in the Math Center computers or any other computer with Internet access. Video tapes for each chapter of the textbook are available in the Math Center.

**TESTING AND GRADING POLICIES:**

Tests are paper and pencil format, and are taken in class on the scheduled date. All work must be shown for credit. Questions on the tests and final exam are based on assigned homework, in-class work, and MathXL practice tests. There will be no make-ups for missed tests and/or the final exam. If the final examination score is higher than the lowest score of all tests, its percentage score will be used to replace the lowest test score. The final exam is comprehensive.

A common grade will be assigned to both Math 100 and Math 114.

## Grade Calculation:

Homework	7%
In-Class	3%
Lab Assignment	10%
Tests (5)	55%
Final	25%
<b>Total Possible</b>	<b>= 100%</b>

## Grade Cutoff:

90% – 100%	A
80% – 90%	B
70% – 80%	C
60% – 70%	D
Below 60%	F

Week	Date	Tuesday	Thursday
1	Sept 02 / Sept 04	6.1 to 6.2	6.3 to 6.4
2	Sept 09 / Sept 11	6.5 to 6.6	6.7, Review
3	Sept 16 / Sept 18	<b>Ch. 6 Test</b>	7.1 to 7.2
4	Sept 23 / Sept 25	7.3 to 7.4	7.4 to 7.5
5	Sept 30 / Oct 02	7.6 to 7.7	7.7 to 7.8
6	Oct 07 / Oct 09	Review	<b>Ch. 7 Test</b>
7	Oct 14 / Oct 16	Review on Graphing (3.4 & 3.7)	Review on Graphing (3.4 & 3.7)
8	Oct 21 / Oct 23	4.1 to 4.2	4.3 to 4.4
9	Oct 28 / Oct 30	4.5 to 4.6	Review, 8.1
10	Nov 04 / Nov 06	<b>Ch. 4 Test</b>	8.2 to 8.3
11	Nov 11 / Nov 13	8.4 to 8.5	8.6 to 8.7
12	Nov 18 / Nov 20	Review	<b>Ch. 8 Test</b>
13	Nov 25 / Nov 27	9.1 to 9.2	Thanksgiving (no class)
14	Dec 02 / Dec 04	9.3 to 9.4	Review
15	Dec 09 / Dec 11	<b>Ch. 9 Test</b>	Final Review
16	Dec 16 / Dec 18	No class	<b>Final Exam (10:00 to 12:00 noon)</b>