Math 115
Class Syllabus Spring 2008

Course: Math 115, Elementary Algebra
Ticket Number 3333; Tuesday and Thursday 7:00 PM - 9:30 PM, BUNG 3

Instructor: Ralph (Randy) Ades
Office Hours: Tuesday and Thursday  6:00-6:45 PM Or by appointment
Office: Math Lab
Phone: 818-773-0157
Email: rades@avc.edu

Textbook: Elementary Algebra, 8th edition, by J. Kaufmann and K. Schwitters

Prerequisite: Math 112 with a grade of “C” or better, or appropriate skill level demonstrated through the Mathematics assessment processes.

Important Dates:
- February 15, 18: President’s Day; College closed.
- February 19: Last day to Add a Class Spring 2008
- March 3: Last day to Drop a class without a ‘W.’
- March 7: Last day to file a Pass or No Pass petition.
- March 24-30: Spring Break; College Closed.
- March 31: Cesar Chavez Day; College Closed.
- May 5: Last day to drop with a ‘W.’
- May 26: Memorial Day; College closed.

Common Final Exam: Saturday May 31, 2008 from 10:15 AM to 12:15 PM
All students are required to be present 15 minutes prior to the examination. Students must present a valid picture identification.

Course Description: We will cover the following topics:
- Chapter 1 Concepts of Algebra
- Chapter 2 Algebraic Expressions
- Chapter 3 First Degree Equations
- Chapter 4 Formulas, Problem Solving
- Chapter 5 Exponents & Polynomials
- Chapter 6 Factoring & Solving Equations
- Chapter 7 Algebraic Fractions
- Chapter 8 Graphing & Linear Systems
- Chapter 9 Roots & Radicals
- Chapter 10 Quadratic Equations
- Chapter 11 Functions

Course Objectives:
1) Categorize numbers.
2) Manipulate numbers using numerical operations.
3) Evaluate arithmetic expressions with exponents.
4) Solve first-degree equations and inequalities.
5) Solve formulas for a given variable.
6) Recognize and solve proportions problems; solve word problems.
7) Simplify, add, subtract, multiply and divide polynomials.
8) Simplify expressions containing negative exponents.
9) Factor polynomials using appropriate methods.
10) Apply factoring techniques to solve second-degree equations.
11) Factoring polynomials using a variety of techniques.
12) Solve equations and word problems using factoring.
13) Manipulate and simplify algebraic fractions using basic operations.
14) Solve equations containing algebraic fractions.
15) Graph equations in two variables.

16) Determine equations of lines.
17) Solve systems of equations.
18) Determine roots; simplify, add, subtract, multiply, and divide radicals.
19) Solve equations containing radicals.
20) Solve quadratic equations using completing the square and the quadratic formula
21) Define and evaluate relations and functions.

Tutorial: Drop-in tutoring is available at the Math Center located in the basement of the
Campus Center and in the math Lab located in the Learning Center.

Homework: Homework will be assigned at the start of each new chapter. It will be due the day
of that chapter’s test. All homework assignments should be handed in before the lecture
starts. Work MUST be shown and no credit will be given for a list of answers. Late homework
will not be accepted.

Quizzes: I will give weekly in class quizzes which will test your mastering of the material on to this
Point. Quizzes will count as 10% of your grade.

Exams: There will be eight exams. The lowest grade will be dropped. There will be no make-up
examinations, since the missed exam will be the one dropped. Any other missed exam will
receive a grade of 0. A common final will be given Saturday May 31. There are no
make-ups for the final and all students must take the final exam.

Grading:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Exams (Best 7)</td>
<td>50%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
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</tbody>
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Grading Scale: Letter grades will be determined by your overall percentage in the course:

A = 90%-100%
B = 80% - 89%
C = 70%-79%
D = 60%-69%
F = 0%-59%

Attendance: Students are expected to attend all class meetings. Unexcused absences of four
meetings may result in excluding students from class. Students themselves are responsible
for dropping a class they no longer attend; failure to do so may result in a grade of F.

Final Note: The above schedule and procedures are subject to change in the event of extenuating
circumstances.