

**Los Angeles Valley College**  
**Mathematics 115**  
**Elementary Algebra (5 Units)**  
**SPRING 2016**

**Section#:** 1400  
**Class Hrs:** MTWTh 2:30 – 3:40 pm  
**Room:** MS103

**Instructor:** Yuriy Sokolovskiy  
**Office & Phone #:** MS104C; (818)947-2853  
**Drop-in Hrs:** MTWTh 12:30-2:30 pm  
**Email:** [SokoloYL@lavc.edu](mailto:SokoloYL@lavc.edu)

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**COURSE INFORMATION**

**Catalog Description:** The course covers the real numbers and their properties; evaluating and simplifying algebraic expressions; rules of positive integer exponents; fundamental operations on polynomial, rational, and radical (index 2) expressions; polynomial factoring; solving linear, quadratic, and special polynomial equations; solving rational and radical equations; graphing a linear equation in two variables; solving a system of two linear equations in two variables; setting up and solving a variety of word problems.

**Student Learning Outcomes:** Upon completion of this course, Students will be able to think analytically and read critically to solve elementary algebra level mathematical problems.

**Textbook:** Beginning Algebra 6<sup>th</sup> Ed. by Martin-Gay

**Prerequisite:** Math 110 or Math 112 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

**Important Dates:** Last day to Add or Audit— 2/19/2016;  
Drop classes without receiving a “W”— 2/21/2016;  
Drop classes with a “W”— 5/8/2016.

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**COURSE COMPONENTS & GRADING**

**Materials needed:** Textbook or e-text, 2 notebooks with **graph paper**, pencil and eraser to be brought to class every day. If you would like to use the online component to the book, e-mail me for directions.

**Calculator:** You may use a calculator for this class (not the one on your phone!)

**Homework:** will be assigned daily, and it is expected to be done daily. You should have a **separate notebook** just for this purpose, different from your lecture notebook. Organize your work and label them clearly by section number. Homework notebooks will be collected on exam days at the beginning of the exam and I will check and grade your work only for completeness. You can ask homework questions in class, consult me during posted office hours to receive individualized help or you can drop by at **Math Lab in LARC 226** for FREE tutoring services. *No Late Homework will be accepted.* Your homework knowledge is tested via quizzes.

**Quizzes:** There will be **quizzes** administered at the beginning of the class. The lowest grade will be dropped. **No makeup quiz will be given.** Quizzes are designed to test your knowledge of the homework that has been assigned earlier.

**Exams:** There will be **5 exams** already scheduled on the calendar. Your lowest score will be dropped if you attend all lectures and turn in **all** homework. There are **no makeup** exams.

**Final Exam:** The Final Comprehensive Exam is on **Wednesday June 1<sup>st</sup> 1:00pm – 3:00pm**. The final exam is an accumulation of all the homework, review sheets and tests throughout the semester so it is imperative that you learn from your mistakes by reviewing the graded tests carefully.

### Possible Points & Grading Scale:

<b>Homework</b>	<b>10%</b>	<b>A</b>	<b>90-100%</b>
<b>Quizzes</b>	<b>25%</b>	<b>B</b>	<b>80-89%</b>
<b>Exams</b>	<b>35%</b>	<b>C</b>	<b>70-79%</b>
<b>Final Exam</b>	<b>30%</b>	<b>D</b>	<b>60-69%</b>
		<b>F</b>	<b>59% and below</b>

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### **CLASS POLICIES**

**Attendance Policy:** Students enrolled in a course who fail to attend the first class meeting may be dropped from the course by the instructor. Students who will miss the first class meeting must advise the instructor of the absence prior to the first class meeting in order to be assured that they will remain enrolled in the class.

**Instructors may drop a student from a class when he/she is absent for a total of six cumulative instructional hours.**

This does not preclude the fact that **students are ultimately responsible for dropping the class should they choose to do so**. Failure to do so may result in a grade of "F" in the class.

**Student Conduct:** Students are expected to adhere to all district policies as described in the LAVC Schedule of Classes. All cell phones should be **turned off or set on silent mode**. You are expected to demonstrate respect and consideration towards your peers and instructor. **Students who use the cell phone or students who persist in talking during the lecture may be removed from the class for that day.**

**Plagiarism and Academic Dishonesty:** Plagiarism is the use of others' words and/or ideas without clearly acknowledging their source. When you incorporate those words and ideas into your own work, you must give credit where credit is due. Plagiarism, intentional or unintentional, is considered academic dishonesty and is not tolerated. Anyone found to be plagiarizing or cheating on assignments (e.g., copying or giving answers, using 'crib' sheets, etc.) will (1) receive a zero (fail) on the assignment, and (2) be referred to the Vice President of Student Services for further disciplinary action, following due process. For further information on plagiarism, go to the Writing Center website (<http://www.lavc.edu/writingcenter/handouts/plagiarism.html>) and refer to the STANDARDS OF STUDENT CONDUCT AND DISCIPLINARY ACTION in the current Schedule of Classes and Catalog.

**Tutoring Lab:** Students are encouraged to seek help at the Math Tutoring Lab in LARC 226. (2<sup>nd</sup> floor library) One on one tutoring is available at the Math Tutoring Lab – call (818)947-7263 for an appointment.

**Religious Holidays:** Accommodations will be made for religious holidays if 1 week notice is given.

**SSD Students:** If you are a student with a disability requiring classroom accommodations, and have not contacted SSD, do so in a timely manner. SSD is located in the Student Services Annex, Room 175 or call SSD at (818) 947-2681 or TTD (818) 947-2680 to meet with a SSD counselor. If SSD has already sent the memo to instructor confirming accommodations required by student for this class, please meet with me to discuss arrangements.

**Financial Aid:** Financial Aid is available! Call (818) 947-2412 or go to the Financial Aid Office on the first floor of the Student Services Center. For more info: <http://www.lavc.edu/financialaid/index.html>

**DISCLAIMER - ADULT CONTENT IS COVERED IN THIS COURSE:** Please be advised that you have enrolled in a college-level course. The content of the course, and the discussions surrounding the lessons, may contain controversial, sexual, religious and political content, or otherwise thought-provoking topics. We reserve the right to edit inappropriate language that may appear in this course.

**DISCLAIMER – SUBJECT TO CHANGE:** Please be advised that this syllabus is subject to change at any time at the sole discretion of the instructor.

## Math 115 Spring 2016 Mondays - Thursdays Daily Tentative Schedule

Weeks	Mondays	Tuesdays	Wednesdays	Thursdays
<b>Week 1</b> 02/08-02/11	Syllabus Sec 1.1 How to succeed in math	Sec 1.2 Sets of Numbers Sec 1.3 Fractions & Mixed Numbers	Sec 1.4 Exponents & Order of Operation	Sec 1.5 Adding Real Numbers Sec 1.6 Subtracting Real Numbers
<b>Week 2</b> 02/15-02/18	<b>No Class</b> <b>President's Day Holiday</b>	Sec 1.7 Multiplying & Dividing Real Numbers	Sec 1.8 Properties of Real Numbers	Sec 2.1 Simplifying Expressions Sec 2.2 Addition Property of Equality
<b>Week 3</b> 02/22-02/25	Sec 2.3 Multiplication Property of Equality	Sec 2.4 Solving Linear Equations	Sec 2.5 Problem Solving	Sec 2.6 Formulas & Problem Solving
<b>Week 4</b> 02/29-03/03	Sec 2.7 Percent & Mixture Problems	Sec 2.8 Further Problem Solving	Sec 2.9 Solving Linear Inequalities	Review Chapters 1 & 2
<b>Week 5</b> 03/07-03/10	<b>Exam 1 Chapters 1 &amp; 2</b>	Sec 3.1 Rectangular Coordinates Sec 3.2 Graphing	Sec 3.3 Intercepts	Sec 3.4 Slopes & Rate of Change
<b>Week 6</b> 03/14-03/17	Sec 3.5 Equations of Lines	Sec 4.1 Solving Systems by Graphing	Sec 4.2 Solving Systems by Substitution	Sec 4.3 Solving Systems by Addition
<b>Week 7</b> 03/21-03/24	Sec 4.4 Solving Problems by Systems of Equation	Review Chapters 3 & 4	<b>Exam 2 Chapters 3 &amp; 4</b>	Sec 5.1 Exponents
<b>Week 8</b> 03/28-03/31	Sec 5.2 Add & Subtract Polynomials	Sec 5.3 Multiplying Polynomial Sec 5.4 Special Products	Sec 5.5 Negative Exponent & Scientific Notation	<b>No Class</b> <b>Cesar Chavez Day</b>
<b>Week 9</b> 04/11-04/14	Sec 5.6 Dividing Polynomials	Sec 6.1 GCF & Factor by Grouping	Sec 6.2 Factoring Trinomials	Sec 6.3 & 6.4 Factoring Trinomials
<b>Week 10</b> 04/18-04/21	Sec 6.5 Factoring Binomials	Sec 6.6 Solving Quadratic Equations	Sec 6.7 Problem Solving	Review Chapters 5 & 6
<b>Week 11</b> 04/25-04/28	<b>Exam 3 Chapters 5 &amp; 6</b>	Sec 7.1 Simplifying Rational Expressions	Sec 7.2 Multiplying & Dividing Rationals	Sec 7.3 Adding & Subtracting Like Rationals & LCD
<b>Week 12</b> 05/02-05/05	Sec 7.4 Adding & Subtracting Unlike Rationals	Sec 7.5 Solving Rational Equations	Sec 7.6 Proportions & Problem Solving	Sec 7.7 Complex Fractions
<b>Week 13</b> 05/09-05/12	Sec 8.1 Intro to Radicals	Sec 8.2 Simplify Radicals	Sec 8.3 Adding & Subtracting Radicals	Sec 8.4 Multiply & Divide Radicals
<b>Week 14</b> 05/16-05/19	Sec 8.5 Solving Radical Equations	Review Chapters 7 & 8	<b>Exam Chapters 7 &amp; 8</b>	Sec 9.1 Square Root Property
<b>Week 15</b> 05/23-05/26	Sec 9.2 Completing the Square	Sec 9.3 Quadratic Formula	Final Review	Final Review
<b>FINALS WEEK</b>	<b>No Class</b> <b>Memorial Day</b>	Finals Week		