



Los Angeles Valley College
Mathematics 110
Introduction to Algebraic Concepts (5 Units)
Spring 2016

Section#: 3238

Class Hrs: TTH 6:50 – 9:20 pm

Room: MS 106

Instructor: Prof. Fine

Drop-in Hrs: TTH 9:20 - 9:50 pm in MS 106

Sat 7:30 – 8:00 am in MS 103

Email: finerl@lavc.edu

COURSE INFORMATION

Catalog Description: This course covers topics beginning with arithmetic through beginning algebraic concepts in preparation for Elementary Algebra. Topics include operations on whole numbers, fractions, decimals, and integers; order of operations; ratios, proportions, percents, and applications; perimeter and area applications; and simple algebraic expressions and equations. Basic word problems that embody these concepts are included throughout the course.

Prerequisite: None.

Student Learning Outcomes: Upon completion of this course, students will be able to perform arithmetic operations on signed numbers. Also students will be able to think analytically at a level appropriate to pre-algebra.

Textbook: *Pre Algebra*, 7th Edition, K. Elayn Martin-Gay

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.

COURSE COMPONENTS & GRADING

Materials needed: Textbook or e-text, 2 notebooks, pencil and eraser to be brought to class every day.

Calculator: The use of a calculator is not allowed during exams and/or the final.

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 drop in 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 under any circumstances.* Your homework knowledge is tested via quizzes.

Quizzes: There will be *weekly quizzes* administered at the beginning of the class. The lowest two grades will be dropped. *No makeup quiz will be given under any circumstances.* Quizzes are designed to test your knowledge of the homework that has been assigned the week before.

Exams: There will be 5 exams already scheduled on the calendar. Your lowest score will be dropped. There are *no makeup exams.*

Final Exam: The Final Comprehensive Exam is on Tuesday May 31st 2016, 7 – 9 pm. 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.

Embedded Essential Study Skills: There will be 8 Study Skill sessions with worksheets to be completed in class. These will help you become a more successful college student.

Extra Credit Opportunities: You can participate in Math 110 Path2Success weekly workshops to practice your skills and earn no more than 5% extra credit.

Possible Points & Grading Scale:

Homework	10%	A	90-100%
Quizzes	5%	B	80-89%
Exams	60%	C	70-79%
Final Exam	25%	D	60-69%
Study Skills Worksheets	5%	F	59% and below
Total	100%		

CLASS POLICIES

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.

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.

Attendance Regulations: The only students who may attend classes are those who have been admitted to the college and are in approved active status. Students are expected to attend every meeting of all classes for which they are registered. Violation of this regulation may result in exclusion from class as specified in Administrative Regulation E-13. Provisions of Administrative Regulation E-13 include the following:

1. Students who have registered for a class and who do not attend the first meeting of the class forfeit their right to a place in the class. Special circumstances may be considered by the instructor.
2. Whenever absences in hours exceed the number of hours the class meets per week, the instructor will consider whether there are mitigating circumstances which may justify the absences. If the instructor determines that such circumstances do not exist, the instructor may exclude the student from the class.
3. Three cases of tardiness may be considered equivalent to one absence.
4. It is the student's responsibility to consult with an instructor regarding any absences that would alter the student's status in the class. 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.

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.

Accommodation Statement: 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. Go to the Financial Aid Office in the Student Services Center, first floor. For more info: <http://www.lavc.edu/financialaid/index.html>.

Math 110 Homework Assignments

Sections	HW Problems (eods = every other odds)
Chapter 1 The Whole Numbers	
Section 1.2	1-67 odds
Section 1.3	1-90 eods, 91-99 odds
Section 1.4	1-65 odds
Section 1.5	1-61 eods, 61-81 odds
Section 1.6	1-105 eods
Section 1.7	1-43 eods, 45-85 odds
Section 1.8	1-65 eods, 67-88 odds
Chapter 2 Integers	
Section 2.1	1-81 odds
Section 2.2	1-58 eods, 59-83 odds
Section 2.3	1-53 eods, 55-83 odds
Section 2.4	1-121 eods
Section 2.5	1-59 eods, 61-87 odds
Section 2.6	1-51 odds
Chapter 3 Solving Equations and Problem Solving	
Section 3.1	1-69 eods, 71-87 odds
Section 3.2	1-71 eods, 73-93 odds
Section 3.3	1-71 odds
Section 3.4	1-60 odds
Chapter 4 Fractions and Mixed Numbers	
Section 4.1	1-89 odds
Section 4.2	1-15 eods, 17-73 odds
Section 4.3	1-35 eods, 37-71 odds, 73-101 eods
Section 4.4	1-35 eods, 37-79 odds
Section 4.5	1-37 odds, 39-97 eods
Section 4.6	1-55 odds
Section 4.7	1-103 eods
Section 4.8	1-69 odds
Chapter 5 Decimals	
Section 5.1	1-45 eods, 47-85 odds
Section 5.2	1-55 eods, 57-97 odds
Section 5.3	1-55 odds, 57-75 eods
Section 5.4	1-67 eods, 69-89 odds
Section 5.5	1-77 eods, 79-87 odds
Section 5.6	1-41 odds
Chapter 6 Ratios and Rates	
Section 6.1	1-69 odds
Section 6.2	1-67 odds
Section 6.3	1-47 odds
Section 6.4	1-55 odds
Chapter 7 Percent, Decimals, and Fractions	
Section 7.1	1-63 eods, 65-87 odds
Section 7.2	1-55 odds
Section 7.3	1-47 odds
Section 7.4	1-59 odds
Section 7.5	1-41 odds
Section 7.6	1-15 odds

Math 110 Spring 2016 Tuesdays and Thursdays Schedule

Weeks	Tuesday		Thursday
Week 1 2/9	Syllabus, Study skills (30 mins), 1.2 Place value 1.3 Additional & Subtraction	2/11	1.4 Rounding and Estimating 1.5 Multiplication
Week 2 2/16	Study skills (30 mins) 1.6 Division 1.7 Exponents & order of operations	2/18	1.8 Introduction to variables, Algebra Expressions & Equations <i>Exam 1 Review</i>
Week 3 2/23	Exam 1 (Ch. 1) Study skills (30 mins) 2.1 Introduction to integers	2/25	2.2 Adding Integers 2.3 Subtracting Integers
Week 4 3/1	Study skills (30 mins) 2.4 Multiplying & Dividing Integers 2.5 Order of Operations	3/3	2.6 Solving Equations 3.1 Simplifying Algebra Expressions
Week 5 3/8	Study skills (30 mins) 3.1 Simplifying Algebra Expressions 3.2 Solving Equations: Review of the additional and Multiplication Properties	3/10	3.3 Solving Linear Equations in One Variable 3.4 Linear Equations in One variable and Problem- Solving
Week 6 3/15	Study skills (30 mins) 3.4 Linear Equations in One variable and Problem-Solving <i>Exam 2 Review (Ch. 2-3)</i>	3/17	Exam 2 (Ch. 2-3) 4.1 Introduction to Fractions 4.2 Factors and Simplest Form
Week 7 3/22	Study skills (30 mins) 4.2 Factors and Simplest Form (cont.) 4.3 Multiplying and Dividing Fractions	3/24	4.4 Addition and Subtracting like Fractions & LCD 4.5 Adding and Subtracting Unlike Fractions
Week 8 3/29	Study skills (30 mins) 4.5 Adding and Subtracting Unlike Fractions continue 4.6 Complex Fractions & Review order of operations	3/31	Cesar Chavez Day No Class
Spring Break 4/5	Spring Break No Class	4/7	Spring Break No Class
Week 9 4/12	4.7 Operations on Mixed Numbers 4.8 Solving Equations containing Fraction <i>Exam 3 Review</i>	4/14	Exam 3 (Ch. 4) 5.1 Introduction to Decimals 5.2 Adding and Subtracting Decimals
Week 10 4/19	5.3 Multiplying Decimals and Circumference of a circle 5.4 Dividing Decimals	4/21	5.4 Dividing Decimals 5.5 Fraction, Decimals, order of operations
Week 11 4/26	5.6 Solving Equations of Decimals 6.1 Ratios and Rates	4/28	6.2 Proportions 6.3 Proportions and Problem solving
Week 12 5/3	6.4 Square roots and the Pythagorean Theorem Exam 4 Review	5/5	Exam 4 (Ch. 5-6) 7.1 Percent, Decimals & Fractions 7.2 Solving percent Problem with Equation
Week 13 5/10	7.3 Solving percent Problem with Proportions 7.4 Applications of Percent	5/12	7.5 Percent and Problem Solving: Sales, Tax, Commissions, and Discount
Week 14 5/17	7.4 Applications of Percent 7.5 Percent and Problem Solving: Sales, Tax, Commissions, and Discount	5/19	7.6 Simple Interest (No compound Interest) <i>Exam 5 Review</i>
Week 15 5/24	Exam 5 (Ch. 7) Final Review Ch. 1-4	5/26	Final Review Ch. 4-7
Week 16 5/31	Final Exam	6/2	