Los Angeles Valley College
Mathematics 125
Intermediate Algebra (5 Units)
Spring 2016

Section#: 1412
Class Hrs: MTWTH 11:20 – 12:30pm
Room: MS 103

Instructor: Mrs. Sarkissian
Office & Phone #: MS 104C; (818)778-5919
Drop-in Hrs: MTWTH 7-8 am; TTH 2:15-3:30pm
Email: sarkissk@lavc.edu

COURSE INFORMATION

Catalog Description: This course reviews concepts learned in Math 115 and applies them to more complicated problems. It also covers inequalities, absolute values, relations and functions, conic sections, exponential and logarithmic functions.

Prerequisite: Mathematics 115 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

Student Learning Outcomes: Students will be able to think analytically and read critically to solve intermediate algebra level mathematical problems.

Textbook: *Intermediate Algebra*, 6th edition by Martin-Gay, ISBN 1-2693-5067-6

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, 2 notebooks, pencil and eraser to be brought to class every day.
Calculator: The use of a scientific calculator is allowed during class, exams and/or the final. No Cell phones allowed!

Online Homework: This is a web enhanced course which means your homework is assigned online on Pearson's MyMathLab software. Each week's homework is due the following Monday. You should have a separate notebook just for practicing homework (that will not be collected), different from your lecture notebook. You can ask homework questions in class, consult me during posted drop in hours to receive individualized help or you can drop by at **MathLab in LARC 226** for FREE tutoring services. No Late Homework will be accepted under any circumstances. Your homework knowledge is tested via quizzes.

How to Enroll in MyMathLab (MML):

1) Go to http://pearsonmylabmastering.com
2) Click on "Student" under "Register". The course ID is **sarkissian64127**. You will be asked to create a login, a password and give some personal information to create your free Pearson account.
3) Enter your access code to register in our class. The MML license or access code may come with the purchase of a new book (make sure to check this!), or you can choose to buy just the access code from the LAVC bookstore, or you can choose to purchase the access code online using a credit card.

Quizzes: There will be **weekly quizzes** administered at the beginning of the class. Your lowest 2 scores will be dropped**.** *No makeup quiz will be given!* Quizzes are designed to test your knowledge of the homework that has been assigned the week before. If students attend class & do all of the homework daily, the quizzes will be easy.

Exams: There are **4 exams** already scheduled on the Timeline. Your lowest score will be dropped. *There are no makeup exams!*

Final Exam: The Final Comprehensive Exam is on **Wednesday June 1st 2016 @ 10:30-12:30 am**. 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:

Homework	10%	A	90 – 100%
Quizzes (drop2)	10%	B	80 – 89%
Exams (drop 1)	60%	C	70 – 79%
Final Exam	20%	D	60 – 69%
		F	59% and below

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.

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.

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 125 Spring 2016 Mondays - Thursdays Daily Calendar

Weeks	Mondays	Tuesdays	Wednesdays	Thursdays
Week 1 **02/08-02/11**	Introduction, Syllabus, MML Sec 2.1 Linear equations in one Variable	Sec 2.2 An introduction to problem Solving Sec 2.3 Formulas and Problem Solving	Sec 2.4 Linear Inequalities Sec 2.5 Compound Inequalities	Sec 2.6 Absolute Value Equations Sec 2.7 Absolute Value Inequalities
Week 2 **02/15-02/18**	**No Class** **President's Day**	Sec 3.1 Graphing equations Sec 3.2 Introduction to function **Quiz 1**	Sec 3.3 Graphing Linear Functions	Sec 3.4 The Slope of a Line Sec 3.5 Equation of Lines
Week 3 **02/22-02/25**	Sec 4.1 Solving System of Linear Equations in Two Variables **Quiz 2**	Sec 4.2 Solving System of Linear Equations in Three Variables	Sec 4.3System of Linear Equations and Problem Solving	**Review Exam 1, Chap 2, 3 &4**
Week 4 **02/29-03/03**	**Exam 1 Chap 2, 3 & 4**	Sec 5.1 Exponents and Scientific Notation Sec 5.2 More work with Exponents and Scientific Notation	Sec 5.3 Polynomials and Polynomial Functions	Sec 5.4 Multiply Polynomials Sec 5.5 GCF and Factoring by Grouping
Week 5 **03/07-03/10**	Sec 5.6 Factoring Trinomials Sec 5.7 Factoring By Special Products **Quiz 3**	Sec 5.8 Solving Equations by Factoring	Sec 6.1 Rational Functions and Multiplying and Dividing Rational Functions	Sec 6.2 Adding and Subtracting Rational Expressions
Week 6 **03/14-03/17**	Sec.6.3 Simplifying Complex Fractions **Quiz 4**	Sec.6.4 Dividing Polynomials: long Division and Synthetic Division	Sec.6.5 Solving Equations Containing Rational Expressions Sec.6.6 Rational Equations and Problem Solving	**Review Exam 2 Chap 5 & 6**
Week 7 **03/21-03/24**	**Exam 2 Chap 5 & 6**	Sec 7.1 Radicals and Radical Functions	Sec 7.2 Rational Exponents	Sec.7.3 Simplifying Radical Expressions
Week 8 **03/28-03/31**	Sec.7.4 Adding, Subtracting and Multiplying Radical Expressions **Quiz 5**	Sec.7.5 Rationalizing Denominators and Numerators of Radical Expressions	Sec.7.6 Radical Equations and Problem Solving	***No Class*** ***Cesar Chaves***
Spring Break **04/04-04/07**	***No Class*** ***Spring Break***	***No Class*** ***Spring Break***	***No Class*** ***Spring Break***	***No Class*** ***Spring Break***
Week 9 **04/11-04/14**	Sec.7.7 Complex Numbers **Quiz 6**	Sec.8.1 Solving Quadratic Equations By Completing the Square	Sec.8.2 Solving Quadratic Equation By Quadratic Formula	Sec.8.3 Solving Equations By Quadratic method
Week 10 **04/18-04/21**	Sec.8.4 Nonlinear Inequalities in One Variable **Quiz 7**	Sec. 8.5 Quadratic Function and Their Graphs	Sec. 8.6 Further Graphing of Quadratic Functions	**Review Exam 3 Chap 7 & 8**
Week 11 **04/25-04/28**	**Exam 3 Chap 7 & 8**	Sec.9.1 Algebra of Functions, Composite Function	Sec.9.2 Inverse Function	Sec. 9.3 Exponential Function
Week 12 **05/02-05/05**	Sec 9.4 Exponential Growth & Decay **Quiz 8**	Sec. 9.5 Logarithmic Function	Sec.9.6 Properties of Logarithms	Sec. 9.7 Common Logarithms, Natural Logarithms and Change of Base
Week 13 **05/09-05/12**	Sec. 9.8 Exponential and Logarithmic Equations **Quiz 9**	Sec.10.1 The Parabola and the Circle	Sec.10.2 The Ellipse	Sec.10.2 The Hyperbola
Week 14 **05/16-05/19**	Sec.10.3 Solving Nonlinear Systems of Equation **Quiz 10**	Sec. 11.1 Sequences	Sec. 11.2 Arithmetic and Geometric Sequences	**Review Exam 4 Chap 9 & 10**
Week 15 **05/23-05/26**	**Exam 4 Chap 9 & 10**	Sec.11.3 Series	Final Exam Review	Final Exam Review
Week 16 **05/30-06/02**	**No Class** **Memorial Day**		**Final Exam** **10:30 – 12:30pm**	