MATH 125

CLASS SYLLABUS FALL 2012
LA MISSION COLLEGE

COURSE : Math 125 section 3237 (5 units): Prerequisite; Math 115 with a grade of "c" or better
7:00- 9:30 pm MW CSB110

TEXTBOOK: INTERMEDIATE ALGEBRA
JEROME KAUFMAN AND KAREN SCHWITTERS- 9TH EDITIOM

INSTRUCTOR: Ms. Alice Constantino
OFFICE HOURS: MW 4:30- 5:15 pm, or by appointment. CSB110
E-MAIL: constaac@lamission.edu
Mobile # 818 687 3552 campus 364 7600 ext 4255

IMPORTANT DATES:
AUG 27: Day and Evening classes begin.
Sept 7 : Drop classes without receiving a "w" with refund
(Sept 7 in person), Sept. 9(Internet).
Nov. 16 : Drop classes with a "W" (letter grade is required from this date forward).
Nov 16(In person), Nov 18 (Internet)

Important Reminder: If you stop attending a class (or wish to drop a class) you must drop the class yourself- OFFICIALLY- on or before November 18, 2012 (Internet). Failure to do so may result in a grade of "F" in that class. Please Note: This is an earlier and revised deadline. A "W" will appear on your transcript record after this date. (Nov 18). This is a new LACCD enrollment limit. The limit is now three times to take the class and includes both substandard grades and withdrawals. (see page 3).

FINAL EXAM: Monday, December 10, 2012 8:00-10:00 pm CSB110

HOLIDAYS: (College Closed)
September 3: Monday, Labor Day
November 12: Monday, Veteran's Day
November 22-25: Thanksgiving
Semester Ends December 16, 2012

STUDENT LEARNING OUTCOMES

1. **Solve, graph, and analyze various equations or systems of equations and inequalities.**
2. **Interpret, graph and analyze various functions.**

METHODOLOGIES: Lecture, Board Demonstration; Question and Answer; Group Session; Cooperative Learning; Practice Reinforcement;

Support Materials or Services: Interactive video skill Builder CD-Rom, Math zone(internet) available at the Center for Math and Science building (West Wing) and LRC; login http://webassign.net Class Key :lamission20116364
Note: You may use the homework posted in webassign.net in lieu of the Textbook Homework. If a new textbook is purchased from the bookstore, a student access code is attached with the textbook. Follow the instructions in accessing the web.

Class Key : lamission 20116364

Math 125 Outline And Homework
Intermediate Algebra (Kaufmann/Schwitters- 9th Ed.
August 27-December 5, 2012

Topics to be Covered and Homework	Sections from Text	Approximate Time Line
Chapter 1:Sets; Real Numbers; Exponents; Algebraic Expressions **<u>Homework:</u>** **All sections every other odd numbers.** **Chapter 1 Review: Pgs. 38-39 #1-68 Odd #s** **Chapter 1 Test Practice pg. 40 #s 1-25**	**CHAPTER 1:** All 4 sections (Review) Class lecture begins 8/27, 8/29	**1 week** .
Chapter 2: First-Degree Equations; **Formulas**; First-Degree Inequalities; Applications; **Absolute Value Equations and Inequalities** **<u>Homework</u>:** **All sections every other odd numbers.** **Chapters 1-2 Cumulative Review Prob. Set pp. 105-106(every other odd numbers)** **Chapter 2 Test Practice Pg. 104 #s 1-25**	**CHAPTER 2:** All 7 sections **9/3 college closed Labor Day** **9/5, 9/10, 9/12**	**1 1/2 weeks**
Chapter 3: Polynomials: Sum, Difference, Product; Factoring: GCF, by grouping, Trinomials, Difference of Two Squares, Sum & Difference of Two Cubes; Equations & Applications. **<u>Homework:</u>** **All sections every other odd numbers** **Chapter 3 Review Problem Set pp. 158-160** **Chapter Test Practice: Pg.161 #s 1-25**	**CHAPTER 3:** All 7 sections **9/12, 9/17, 9/19**	**1 ¼ weeks** **<u>Wednesday, September 12</u>** **<u>Chapters 1-2 test</u>**
Chapter 4: Operations on Rational Expressions; Complex Fractions; Division of Polynomials; **Rational Equations**; Applications **<u>Homework:</u>** **Pgs 173-174 #s 13,15,19,25,27,30,31,36,39,44,48,49** **Pgs. 180-181 #s 13, 23,27,30,33,37,47,51,57,63,60** **Pgs. 188-189 #s 3,7,9,11,15,17,19,25,27,39,47,53** **Pgs. 195-196 #s 5,8,11,15,19,31,4049,51** **Pgs. 201-202 #s 3,9,21,23,29,45,47,50,53, 56** **Pgs. 209-210 #s 3,6,16,22,24,33,37,45,47,51,52,53,54** **Chapter 4 Review Problem Set pp. 216-217 (Every other odd numbers)** **Chapter 4 Test Practice #s 1-25**	**CHAPTER 4:** All 7 sections **9/24, 9/26, 10/1**	**1¼ weeks** **<u>Wednesday, Oct. 3 Chapters 3-4 test</u>**
Chapter 5: Exponents & Roots: multiply, divide, add & subtract; Rationalize Denominator; Radical Equations; Rational Exponents; Scientific Notation **<u>Homework</u>**:	**CHAPTER 5:** All 7 sections **10/3, 10/8, 10/10**	**1 ¼ weeks** **<u>Wednesday, 10/10 Chapter 5 Test</u>**

Pg.227-#s3,7,13,15,17,21,27,37,41,52,55,61,65,71,72,73 **Pgs. 236-237 #s. 13,17,19,21,44,47,65,64,68,75,76,78,79** **Pgs. 242-243 #s 10,11,16,21,29,37,43,45, 59,65,68, 74** **Pg. 248 #s 15,17,21,23,35,38,41,45,65,67,69,73,76** **Pg. 253 #s 1,7,9,19,21,27,29,31,43,46,50,57,58** **Pg. 258#s 7,9,17,19,31,33,4165,71,75,79,81,84,85,88** **Pg.263 #s 3,15,19,25,29,33,35,37,41,47,49,53,54,56** **Chapter 5 Review Problem Set pp.269-270** **Chapter 5 Practice Test pg. 271; 1-25**		
Chapter 6: Complex Numbers; Solving Quadratic Equations using Completing the Square, Quadratic Formula; Equations Reducible to Quadratic Equations; Applications; Nonlinear Inequalities **Homework:** **Pgs.280-281 #s 1-8, 9,13,17,21,23,27,31,39,43, 47,55,57, 61,67,71,77,91,97,98,100** **Pgs. 286-287 #s 1-10, 13,15, 21, 25, 27,39,41,45,50 60,74,79,80,81,82,** **Pgs. 292-293 #s 1, 7,12,15,21,27,24,37,41,47,49,60** **Pgs. 299-300 # 3,7,10,11,17,19,29,37,43,51,57,56** **Pgs 305-306 #s 1, 4, 5,11,15, 25,27,38,41,44,45,47,50 53,55,57,59,61,66,67** **Pg. 312 #s 1,5,8,13,17,21,,33,35,39,43,45,49,51,56** **Chapters 1-6 Cumulative Review Prob. Set pp. 321-322** **Chapter 6 Test Pg 320 #s 1-25**	**CHAPTER 6:** All 6 sections **10/10, 10/15, 10/17**	**1 ¼ weeks** **<u>Wednesday, 10/24 Chapter 6 Test</u>**
Chapter 7: Linear Equations; Linear Inequalities in two variables; Distance and Slope; Determining the Equation of a Line; Graphing Nonlinear Equations. **Homework:** **Pgs. 334-#s1,3,5,7,8,9,13,15,17,23,25,27, 33,37,39,41,42,45** **Pgs.341 #s 1,5,7,9,13,15,17,20,23,24** **Pgs 350-351 #s 1,3,5,7,13,15,17,21,28,32,37,39,41,47 51,59,60,61,63,64** **Pgs360-361 #s1,3,6,8,15,17,19,25,28,35,39 ,41,45,47,49,59,65,68,74,76,77** **Pg. 369#s 3,4,6,9,13,20,24,26,31,33,35,37,45,49,54,58** Review Problem Set pp 376-378Chapter 7 Practice Test1-25	**CHAPTER 7:** All 5 sections **10/17,10/22, 10/24**	**1 ¾ week** **<u>Monday, 11/5 Chapter 7 Test</u>**
Chapter 8: Conics, Parabolas, Circles, Ellipses, Hyperbolas **<u>HOMEWORK:</u>** **Pg.455 #s1-10,1-16, 17,19,21,27,29,35,37,41,43,48,50** **Pgs.388-389 #s 1,3,5,8,11, 13** **PG. 395 #s 1, 12,14,25,27,30,32, 40,43,45,48,50,52,57** **Pgs. 406-407 #s 1-10, 1,3,5,9,11,12,17,19,21,23,25,31** **Chapter 8 Review Problem Set pp.411-412** **Cumulative Review Problem Set pp. 414-415** **Chapter 8 Practice Test pg. 413 #s 1-25**	**CHAPTER 8:** All 4 sections **10/24, 10/29, 10/31**	**1 week** **<u>Wednesday, 11/14 Chapter 8 Test</u>**
Chapter 9: Relations and Functions; Graphs & Applications; Graphing via Transformations; Composite Functions; Inverse Functions; Variations **<u>HOMEWORK:</u>**	**CHAPTER 9:** All 6 sections **11/5, 11/7, 11/14**	**1 ½ weeks** **Nov 12. Veterans Day College Closed**

Pg.423 #s 1,4,7,9,11,17,19,21,23,29,31,33,37,41, 50,66,67 **Pgs. 434-435 #s 1,3,8,12,16,20,22,26,34,36,38,40** **Pgs.443-#s 1-6,7,10,12,19, 23,26,27,29,31,37,43,45,47,51** **Pgs.449-#s 1,3,5,7,9,11,13,17,21,23,27,29,34,37,43,48,50** **Pgs.462-#s 2,4,6,8,10,12,14,18,20,24,26,28,30,32,35,36,38** **Review Problem Set pp 473-475** **Chapter 9 Test Practice P. 476 #s 1-25**	Nov. 22-25 College Closed Thanksgiving	**Monday, 11/19 Chapters 9 Test**
Chapter 10: System of Linear Equations; System of Nonlinear Equations; Matrix; Determinants **HOMEWORK:** **Pgs.482-#s 1,4,8,10,17,19,23,27,29,31,33,36,40** **Pgs.487#s 3,7,11,14,19,22,27,28,29,30,31,35,36,38,40** **Pg. 495#s 1,3,13,16,24,47,48,50,52,54,58,60,63,66** **Pg.504 #s 1,3,6,8,9,19,21,22,23,24,30,34,36** **Pg.527. #s 1,5,7,11,17,21,25,27,30** **Chapters 1-10 Cum. Review Problem Set pp.537-539** **Chapter 10 Practice Set Test #s 1-25**	**CHAPTER 10:** Sections 1 to 4 and 8 (optional: sections 5 to 7) **11/19, 11/21, 11/26**	**1 week**
Chapter 11: Exponential/ Logarithmic Functions; Exponential/ Logarithmic Properties; Exponential/ Logarithmic Equations; Applications **HOMEWORK:** **Pg. 546 #s 1,5,8,10,11,15,17,19,21,24,25,30,39,44,46,50** **Pg. 554 #s 1,2,5,10,16,22,24,25,27** **Pgs 564-565 #s 1-10,13,14,16,20,21,27,29,33,37,40 ,51,55,64,65,69,71,74,75,81,83,87,95** **Pg. 570 #s 1,6,8,11,16,19,21,24,28,34,40,41** **Pg. 578 #s 1,9,11,13,14, 15,17,21,23,29,33,36;**	**CHAPTER 11**: All 5 sections **11/26, 11/28, 12/3 12/5** **Review Chapter 11 Practice set**	**1 ¼ weeks** **Wednesday, 12/5 Chapters 10-11 Test**

FINAL EXAMS FOR MATH 125 Monday DECEMBER 10, 2012

TIME: 8:00-10:00pm bung. 9 AS PER COLLEGE CALENDAR. STUDENTS ENROLLED IN MATH 125 SECTION 3237 MUST TAKE THE FINAL EXAM. FAILURE TO DO SO WILL RESULT TO ZERO SCORE. NO INCOMPLETE GRADE.

HOMEWORK:

Homework is given to reinforce the lessons of the day and to develop the necessary skills needed in subsequent lessons in Math. Students are expected to complete the assigned problems (needs to show step by step solution(s)) as listed in the syllabus. Students having difficulty on specific problems may ask questions for clarification and discussion. Homework will be collected every end of the chapter lecture.

GROUPWORK:

Cooperative learning is an excellent way to learn materials. After the lecture class time may be used for students to work in groups of 2's or 3's on assigned problems. Students are also expected to be called to solve specific problems on the board. Since class environment is to be informal, open and relaxed, students are strongly encouraged to participate in class discussion and ask question for clarification.

EXAMS:

Students may use simple calculator during the test. Cell Phones and Graphing Calculators are not allowed during the test. Head Phone or ear phone are also prohibited during class hours.

STUDY TIPS:

1. **Attend all class meetings. Come on time and leave on dismissal time. Copy all problems illustrated on the board. Solve as many similar and challenging problems in preparation for the test.**
2. **Complete all assigned homework. Homework is given to reinforce the lessons for the day. What you study now will be needed later. Don't hesitate to ask question.**
3. **Practice the chapter tests in the book**
4. **Avoid anxiety by assuming responsibility and remembering that good education means for the future.**
5. **Ask for help when necessary.**
6. **During the test read the instructions, work neatly, show your solution and review your work before submitting the test.**

GRADING SYSTEM:		**LETTER GRADE**	
1. Average Chapter Tests (7)	**53%**	**90%-100%**	**A**
(Drop one lowest score)		**80%- 89%**	**B**
2. HOMEWORK/ ATTENDANCE/Webassign.net	**12%**	**70%- 79%**	**C**
3. FINAL EXAM	**35%**	**60%- 69%**	**D**
		below 60%	**F**
TOTAL	**100%**		

TEST SCORES:

There will be no make up's for missed test. Missed test is equivalent to zero score. Please keep record of all test scores for you reference in grade computations.

TUTORIAL:

The Math Center has moved to Center for Math and Science Building (CMS 121 west wing), servicing tutoring for Math 115 and higher. Math Lab (access to the computer and Math 112 tutoring), located at Learning Resource Center, LRC) is available at no extra cost. Please drop by at your convenient time for extra help.

ATTENDANCE:

You are expected to attend all lecture meetings. Please arrive on time and be present through out the entire class. Students are to wait until the end of the lecture before leaving the class to avoid class disruption. You will be marked absent 1 ½ hours of lecture time if you leave without permission. Attendance will be strictly monitored. Repeated absences of (3 meetings) may result in excluding students in class.

PLEASE SEE ME OR CALL ME FOR ANY HELP.

FINAL NOTE: We will follow the above schedule as close as possible and make corrections in any overlapping dates.

THANK YOU!