

MAC1105 College Algebra Section: 0048 Spring 2008, 3 credit hours	
Course Description:	College Algebra: PR: Intermediate algebra or 2 years of high school algebra or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. This course prepares students for higher-level mathematics courses. The “NC” grading policy applies to this course.
Course Objectives:	This course is designed to familiarize the student with such fundamental mathematical concepts as polynomials, linear and quadratic equations, exponential and logarithmic functions, and various methods for solving linear systems of equations. Upon successful completion of the course, the student will be able to apply various problem-solving strategies to find solutions to a variety of real-life problems. Furthermore, the student will have acquired the necessary algebraic skills to continue pursuing higher levels of mathematics.
Contact Information:	Instructor: Lori Dunlop-Pyle Phone: 407-823-3185 Email: Ldunlop@ucf.edu Office: MAP 101 Office Hours: T, TH 7:15-8:15 pm; F 8:00-9:00 am
Required Textbook and Online Access:	<u>College Algebra</u> , by Lial, Hornsby, and Schneider Second Custom Edition (available in UCF affiliated bookstores) and My Math Lab access code (included with new textbook purchase)
Calculator:	You may use a Texas Instruments TI-30XA calculator on the tests and quizzes. You may not use any other type or model calculator in this course. Use of an unauthorized calculator will result in a grade of zero and possible disciplinary action. Sharing calculators during quizzes and exams is not allowed.
Attendance/ Etiquette:	Please observe common rules of courtesy. Once inside the classroom you should turn off all cell-phones and pagers and not use them during class. Past experience indicates that the students who will succeed in the class are the students who attend. You should plan on staying for the entire class. Leaving early or arriving late is a distraction to your classmates and your instructor. As this course has the NC grade, attendance will be taken.
Academic Honesty:	The work submitted in this class is expected to be your own. Forms of cheating/academic dishonesty include, but are not limited to: communicating with another student during a test or quiz (this includes giving information to another student as well as receiving that information), using an unauthorized calculator, using unauthorized material during a test or quiz (this includes notes or formulas on the test coversheet or scantron), and communicating contents of a test or quiz to another student. I reserve the right to penalize a student for academic dishonesty by assigning the student an F for the course. In addition, further disciplinary action through the university will be taken. Please be aware that disciplinary action through the university could result in suspension or expulsion. For more information on academic honesty, please see the Golden Rule contents available at http://www.goldenrule.sdes.ucf.edu
Online Homework and Quizzes:	The syllabus gives you the sections in the book that are covered for each lecture. Graded online homework problems will be assigned for each section covered in the class. Any student needing extra practice is encouraged to complete additional exercises from the text. These homework sets are completed online utilizing the My Math Lab software which is an Internet Explorer based program. As such, students will be expected to have access to a computer with

	<p>Internet Explorer. There are computers with My Math Lab software installed in several of the computer labs on both the main campus and Rosen School. The homework problems can be attempted an unlimited number of times prior to the due date in an effort to raise your homework score. There is an associated online quiz for each homework assignment. In order to begin the online quiz, you must score at least 70% on the associated online homework assignment. If the prerequisite homework is not completed with a score of 70% or more, you will receive a 0% on the associated quiz. Your online homework average will constitute 5% of your course grade and your online quiz average will constitute 5% of your course average. Prior to calculating your online averages, the lowest online homework score and lowest online quiz score will be dropped. Please note: The last online homework and quiz which covers chapters 1-4 in one assignment CANNOT be your dropped assignments.</p> <p>In the unlikely event that you are unable to access My Math Lab through the Course Compass website, please use the following: http://www.mathxl.com</p>
Quizzes:	<p>Short quizzes will be given during class. They will be similar to the online exercise questions and examples given in class. The lowest quiz score will be dropped prior to calculating the in-class quiz average. The in-class quiz average will constitute 5% of your course grade.</p>
Tests:	<p>There are four tests throughout the semester and a comprehensive final exam. All tests must be taken in the lecture section in which you are registered otherwise a <u>grade of zero will be given</u>. Please note: Personal travel plans will not be a valid reason for taking any test at a different time.</p> <p>Students should attend each test with the following items:</p> <ul style="list-style-type: none"> • picture ID (either your student ID or a driver's license) • scantron (form code: F-17355-PAR-L) • #2 pencil (and a spare with extra lead) • TI-30XA calculator (with the lid stored in your book bag) • Knowledge of your PID <p>Test Dates: Test 1: Tues., February 5, 2008 Test 2: Tues., February 26, 2008 Test 3: Thurs., March 20, 2008 Test 4: Tues., April 8, 2008</p> <p>Final Exam: Tues., April 22, 2008 4:00PM-6:50PM</p> <p>The official UCF Final Exam Schedule is posted on the following website: http://registrar.ucf.edu/calendar/exam</p>
Make-up Policy:	<p>All tests and quizzes must be taken in the lecture in which you are registered. Personal travel plans will not be a valid reason for taking any test, quiz, or the final exam at a different time than scheduled for your section.</p> <p>As your lowest in-class quiz score will be dropped, and option B allows the final exam to be weighted heavier in the case a student misses a test, <u>make-up tests or quizzes will typically not be given.</u> Exceptions may be made at the discretion of the instructor if the request is made one week prior to the assessment date and valid documentation is provided.</p>

Grading Policy:	<p>Your grade will be calculated based on the following:</p> <p>Option A:</p> <ul style="list-style-type: none"> • Test 1 – 15% of total grade • Test 2 – 15% of total grade • Test 3 – 15% of total grade • Test 4 – 15% of total grade • My Math Lab Online Homework average – 5% of total grade • My Math Lab Online quiz average – 5% of total grade • In-class quiz average - 5% of total grade • Final exam score– 25% of total grade <p>Option B:</p> <ul style="list-style-type: none"> • Average of the highest three test scores – 45% of total grade • My Math Lab Online Homework average – 5% of total grade • My Math Lab Online quiz average – 5% of total grade • In-class quiz average - 5% of total grade • Final exam score– 40% of total grade <p>IMPORTANT NOTE: Option B will be used if a student misses a test. If all four tests are taken, the option resulting in the higher grade will be used.</p>												
Grading Scale:	<p>The +/- system will not be used in this class. Letter grades will be awarded according to the following grading scale:</p> <table border="1" data-bbox="516 890 1263 1100"> <thead> <tr> <th>Average</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100%</td> <td>A</td> </tr> <tr> <td>80 – 89%</td> <td>B</td> </tr> <tr> <td>70-79%</td> <td>C</td> </tr> <tr> <td>0-69%</td> <td>F</td> </tr> <tr> <td>Below 70% and NC criteria below met</td> <td>NC</td> </tr> </tbody> </table>	Average	Grade	90 – 100%	A	80 – 89%	B	70-79%	C	0-69%	F	Below 70% and NC criteria below met	NC
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NC Grade Policy:	<p>The intent of the NC grade is to encourage struggling students to remain in class and work hard, rather than withdrawing midway through the semester. By completing the course, the student's exposure to all the class material should allow them to perform better when repeating the class. No course credit is given for an "NC" grade, nor will it satisfy any requirements or subsequent courses' prerequisites. However the student's UCF grade point average will not be penalized for the "NC". To earn the "NC" the instructor must feel the student is working very hard to succeed in the class. Therefore, the "No- credit" (NC) grade will be awarded in place of an F when ALL of the following criteria are met:</p> <ul style="list-style-type: none"> * Student misses no more than two online quizzes * Student misses no more than two online homework assignments * Student misses no more than two in-class quizzes * Student misses no more than one test * Student takes the final exam as scheduled * Student completes the multi-chapter online homework and associated quiz (covers chapters 1-4 in a single assignment due the last week of class) <p>*Student attends class regularly missing no more than two classes.</p>												
Extra Help:	<p>In addition to the office hours of the instructor, the Math Lab, located in MAP 113, is available free of charge to all enrolled students on the following days and times: Monday to Thursday 9am to 7pm, Friday from 9am to 3pm, and Sunday from 2pm to 6pm. The text also has an online assistance program and free tutoring by phone on Sundays-Thursdays. Information is available on the My</p>												

	Math Lab website or 1-888-777-0463.
Disability related Accommodations:	The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students who need accommodations must be registered with Student Disability Services, Student Resource Center Room 132, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the instructor. No accommodations will be provided until the Student Disability Services office has notified the professor concerning appropriate accommodations.

Please Note: This schedule may be modified at the discretion of the instructor. Any change notification will be made via e-community or the announcement page of My Math Lab.

MAC 1105: MWF Class Schedule Spring 2008				
DAY /WEEK	DATE	SECTION	TOPICS	Online Assignments
Week 1:				No MML
		R.1-R.3	Syllabus and Review key concepts	
		R.4-R.7	Review key concepts	
		1.1 and 1.2	Linear Equations , Applications of Linear Equations	
Week 2:				MML #1 (1.1-1.4)
		1.2 cont.	Applications of Linear Equations, My Math Lab	
		1.3	Complex Numbers	
		1.4	Quadratic Equations	
Week 3:				MML #2 (1.5-1.6)
		1.5	Applications of Quadratic Equations	
		1.6	Other Types of Equations	
Week 4:				MML #3 (1.7-1.8)
		1.7	Inequalities	
		1.8	Absolute Value Equations/Inequalities	
			Review	
Week 5:				MML #4 (2.1-2.2)
			EXAM 1	
		2.1	Graphs of Equations	
		2.2	Functions	
Week 6:				MML #5 (2.3-2.5)
		2.3	Linear Functions	
		2.4	Equations of Lines	

		2.5	Graphs of Basic Functions	
Week 7:				MML#6 (2.6-2.7)
		2.6	Graphing Techniques	
		2.7	Function Operations	
			Review	
Week 8:				MML #7 (3.1-3.2) Withdrawal Deadline 2/29/08
			EXAM 2	
		3.1	Quadratic Functions	
		3.2	Synthetic Division	
Week 9:				MML #8 (3.3-3.5)
		3.3	Zeros of Polynomials	
		3.4	Polynomial Functions	
		3.5	Rational Functions	
SPRING BREAK: No Class 3/10-3/15				
Week 10:				MML #9 (4.1)
			Review	
			EXAM 3	
		4.1	Inverse Functions	
Week 11:				MML #10 (4.2-4.4)
		4.2	Exponential Functions	
		4.3	Logarithmic Functions	
		4.4	Evaluating Logarithms	
Week 12:				MML #11 (4.5-4.6)
		4.5	Exponential/Logarithmic Equations	
		4.6	Exponential Growth and Decay	
			Review	
Week 13:				MML #12 (5.1-5.2)
			EXAM 4	
		5.1	Systems of Linear Equations	
		5.2	Matrix Solutions to Linear Systems	
Week 14:				MML #13 (1.1-4.6) Quiz and HW Both Due on Friday!
		5.2 (Cont)	Matrix Solutions to Linear Systems	
		5.5	Nonlinear Systems of Equations	
			Review	