

**MAC1105 College Algebra Section Section# 48
Spring 2007, 3 credit hours**

Class Meetings:	Tuesday 6:00-7:15 MAP 405 Thursday 6:00-7:15 MAP 405
Contact Information:	Instructor: Ms Lori Dunlop-Pyle Email: ldunlop@ucf.edu Office: MAP 101 Office Hours: MF 10:30-11:30; TR 5:00-6:00
Textbook:	<u>College Algebra</u> , by Lial, Hornsby, and Schneider Second Custom Edition (available in the bookstore, ISBN: 0536273863)
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. Calculators will be checked to verify correct model. 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 meeting. Try to avoid leaving early or arriving late as it is a distraction to your classmates and your instructor. 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, 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
Extra Help:	In addition to office hours, the Math Lab is available free of charge to all students enrolled in the course. The Math Lab is located in MAP 113, and is open Monday to Thursday from 9am to 7pm, on Friday from 9am to 3pm, and on 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 Math Lab website or by calling 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 professor. No accommodations will be provided until the Student Disability Services office has notified the professor concerning appropriate accommodations.
Text and Online Homework:	It is very important that you do homework regularly. Studies indicate that you should spend at least two hours working on homework outside of class for every hour you spend in class. The syllabus gives you the sections in the book that are covered and the homework assignment for each lecture. Although the text exercises will not typically be collected, it is expected that you complete the assigned exercises prior to the next lecture. Any student needing extra practice is encouraged to complete additional exercises from the text. There are also online homework sets (utilizing the My Math Lab software) which are graded assignments. As such, students will be expected to have access to a computer. There are computers with My Math Lab software installed in several of the computer labs on both the main campus and Rosen School. For each online homework,

	<p>there is an associated online homework quiz that needs to be completed. In order to begin the online homework quiz, you must score at least 70% on the associated online homework assignment. The online homework/homework quiz average will constitute 15% of your course grade. In the unlikely event that you are unable to access My Math Lab through the website, please use the following: http://www.mathxl.com</p>
Quizzes:	<p>Typically, you will take a short quiz each week. The quizzes will be similar to the exercise questions at the end of each section in the book and the online assignments. The lowest quiz score will be dropped. The quiz average will constitute 15% of your course grade.</p>
Tests:	<p>There are four tests throughout the semester and a 170-minute comprehensive final exam. The lowest test grade (of the four tests) is dropped, and the average of your three highest test grades will constitute 50% of your course grade. The final exam grade will constitute 20% of your course grade.</p> <p>Students should attend each exam with the following items:</p> <ul style="list-style-type: none"> • picture ID (either your student ID or a driver's license) • #2 pencil (and a spare with extra lead) • TI-30XA calculator (with the lid stored in your book bag) • Knowledge of your PID <p>All tests must be taken in the lecture section in which you are registered otherwise <u>a grade of zero will be given</u>. Students are required to take the final exam at the scheduled time. Personal travel plans will not be a valid reason for taking any test at a different time.</p> <p style="text-align: center;">Test Dates:</p> <p>Test 1: Thursday, February 8, 2007 Test 2: Tuesday, February 27, 2007 Test 3: Thursday, March 22, 2007 Test 4: Thursday, April 12, 2007</p> <p style="text-align: center;">FINAL EXAM</p> <p>You will need a scantron for the final exam. They are available for purchase at the bookstore. (form code: F-17355-PAR-L)</p> <p>Final Exam: Tuesday, April 24th from 4:00-6:50 pm The official UCF Final Exam Schedule is posted on the following website: http://registrar.ucf.edu/calendar/exam</p>
Make-up Policy:	<p>All test 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 test and quiz score will be dropped, make-up tests or quizzes will typically not be given. Exceptions may be made at the discretion of the instructor if the request is made prior to the assessment date and valid documentation is provided. In the event a make up is given, it will cover the same sections of the text as the class assessment but the format may not be the same. Please keep in mind that your lowest test score and lowest quiz score will be dropped, therefore if you miss a test or quiz, the missed assignment can count as your dropped test or quiz score.</p>
Grading Policy:	<p>Your grade will be earned from the following assignments:</p> <ul style="list-style-type: none"> • Test average (three highest of the four test grades): worth 50% of total grade

	<ul style="list-style-type: none"> • Quiz average: worth 15% of total grade • My Math Lab Online average: worth 15% of total grade • Final exam score: worth 20% of total grade 												
Grading Scale:	<p>Letter grades will be awarded according to the following grading scale:</p> <table border="1"> <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
Average	Grade												
90 – 100%	A												
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Below 70% and NC criteria below met	NC												
NC 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 the following criteria are met:</p> <ul style="list-style-type: none"> * Student attends class regularly missing no more than two classes. * Student completes all assignments calculated in the course average. * Course average of at least 50% 												
Extra Help:	<p>In addition to virtual review sessions and open lab/ office hours, the Math Lab is available free of charge to all students enrolled in the course. The Math Lab is located in MAP 113, and is open Monday to Thursday from 9am to 7pm, on Friday from 9am to 3pm, and on Sunday from 2pm to 6pm. The text also has an online assistance program and free tutoring by phone, email, fax, or chat sessions. Information is available on the My Math Lab website or by calling 1-888-777-0463.</p>												
Important Dates:	<p>The last day for withdrawal is March 2, 2007 University holidays are January 15, 2007 and March 12-17, 2007 Finals week is April 24-30, 2007</p>												

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.

WEEK	DATE	SECTION	TOPICS	Text Homework
Week 1:	1/9/07	R.1-R.2	Properties of Real Numbers Absolute Value	R.1: 31, 35, 41, 45, 51, 71 R.2: 5, 10, 25, 35, 43
		R.3-R.5	Polynomials, Factoring	R.3: 3, 7, 13, 23, 27, 31, 41, 57, 71, 77 R.4: 3, 7, 13, 21, 23, 29, 31, 43, 51, 55, 71, 73, 87, 89, 93 R.5: 3, 11, 17, 25, 31, 37, 45, 51, 57, 63, 65, 69
		R.6-R.7	Radicals, Exponents	R.6: 3, 7, 17, 25, 39, 43, 51, 63, 73, 85, 91 R.7: 5, 9, 17, 29, 37, 39, 51, 63, 65, 75, 87
Week 2:	1/16/07		Holiday	
		1.1	Linear Equations, My Math Lab	15, 17, 31, 41, 43, 51, 59, 67
		1.2	Applications of Linear Equations	11, 13, 27, 29, 35, 43
Week 3:	1/23/07			
		1.3	Complex Numbers	9, 19, 29, 31, 37, 43, 45, 59, 73, 77, 93
		1.4	Quadratic Equations	15, 23, 31, 47, 59, 67, 73
		1.5	Applications of Quadratic Equations	7, 15, 19, 21, 25, 29, 33
Week 4:	1/30/07			
		1.6	Other Types of Equations	3, 9, 15, 23, 37, 55, 65, 73, 85, 89
		1.7	Inequalities	5, 13, 16, 31, 35, 39, 45, 49, 59, 75, 87, 95
		1.8	Absolute Value Equations/Inequalities	7, 17, 37, 45, 55, 61, 77, 85
Week 5:	2/6/07		Review EXAM 1, Module 1	Complete practice exam before class
		2.1	Graphs of Equations	7, 21, 25, 29, 37, 39, 41, 43, 49, 59, 61, 73
Week 6:	2/13/07			
		2.2	Functions	7, 21, 25, 29, 37, 39, 41, 43, 49, 59, 61, 73, 75
		2.3	Linear Functions	9, 21, 35, 39, 45, 53, 57, 59, 65, 75
		2.4	Equations of Lines	5, 9, 19, 31, 35, 37, 41, 51
		2.5	Graphs of Basic Functions	5, 9, 17, 21, 31, 33, 39, 45

Week 7:	2/20/07			3, 23, 39, 41, 47, 51, 63
		2.6	Graphing Techniques	
		2.7	Function Operations	7, 11, 13, 15, 25, 35, 47, 49, 61, 73
			Review	Complete practice exam before class
Week 8:	2/27/07		EXAM 2, Module 2	
		3.1	Quadratic Functions	1, 13, 17, 21, 35, 47, 51
		3.2	Synthetic Division (Withdrawal Deadline)	13, 21, 23, 31, 37, 41, 49
Week 9:	3/6/07			11, 17, 27, 29, 35, 47, 59, 67, 73
		3.3	Zeros of Polynomials	
		3.4	Polynomial Functions	1, 11, 25, 31, 41, 45
		3.5	Rational Functions	5, 7, 19, 27, 33, 39, 41, 43
Spring Break	Mar 12-17			
Week 10:	3/20/07			
		3.5 cont.	Rational Functions	55, 57, 63, 69, 73
			Review	Complete practice exam before class
			EXAM 3, Module 3	
Week 11:	3/27/07			7, 9, 37, 43, 45, 49, 61, 67, 69, 75
		4.1	Inverse Functions	
		4.2	Exponential Functions	3, 15, 27, 29, 45, 51, 53, 63, 83
		4.3	Logarithmic Functions	5, 7, 17, 27, 33, 39, 43, 59, 61, 67, 73
Week 12:	4/3/07			3, 7, 13, 15, 23, 27, 41, 47, 51, 71
		4.4	Evaluating Logarithms	
		4.5	Exponential/Logarithmic Equations	9, 17, 23, 31, 45, 55, 67, 71
		4.6	Exponential Growth and Decay	5, 9, 15, 19, 33, 37
Week 13:	4/10/07			
			Review	Complete practice exam before class
			EXAM 4, Module 4	
		5.1	Systems of Linear Equations	7, 11, 19, 21, 31, 37, 49, 53, 59, 65, 77, 93
Week 14:	4/17/07			
		5.2	Matrix Solutions to Linear Systems	1, 7, 9, 19, 33
		5.5	Nonlinear Systems of Equations	1, 15, 25, 29, 39, 49
			Review	Complete practice exam before class