

MAC1105 College Algebra Section 0112
Fall 2006, 3 credit hours

Class Meetings:	Monday Wednesday Friday 2:30 – 3:20 MAP 109
Contact Information:	Instructor: R. Jose Garcia Email: joseucf@gmail.com Office: MAP 350 J Office Hours: MWF 1:30 – 2:20, T 10-11 (Math Lab)
Textbook:	<u>College Algebra</u> , by Lial, Hornsby, and Schneider. Second Custom Edition (available in the bookstore. Do not order your textbook online as you will need the custom version of the text which includes software and additional inserts.) ISBN: 0-536-26852-5
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. <u>Sharing calculators during quizzes and exams is not allowed.</u>
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.
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. The homework 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
Quizzes:	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.
Tests:	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. Students should attend each exam with the following items: <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)

	<p style="text-align: center;">Test Dates:</p> <p>Test 1: Wednesday, September 20, 2006 Test 2: Monday, October 9, 2006 Test 3: Friday, October 27, 2006 Test 4: Friday, November 17, 2006</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: Wed 12/6 1:00-3:50 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 section 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 • 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" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Average</th> <th style="text-align: center;">Grade</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">90 – 100%</td> <td style="text-align: center;">A</td> </tr> <tr> <td style="text-align: center;">80 – 89%</td> <td style="text-align: center;">B</td> </tr> <tr> <td style="text-align: center;">70-79%</td> <td style="text-align: center;">C</td> </tr> <tr> <td style="text-align: center;">0-69%</td> <td style="text-align: center;">F</td> </tr> <tr> <td style="text-align: center;">Below 70% and NC criteria below met</td> <td style="text-align: center;">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 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. 												
Important Dates:	<p>The last day for withdrawal is October 13, 2006 University holidays are September 4, 2006; November 10, 2006; November 23-25, 2006 Finals week is December 4-9, 2006</p>												

MAC 1105: MWF Class Schedule Fall 2006

DAY /WEEK	DATE	SECTION	TOPICS	Text Homework
Week 1:				
Monday	8/21	R.1-R.2	Properties of Real Numbers	R.1: 31, 35, 41, 45, 51, 71
			Absolute Value	R.2: 5, 10, 25, 35, 43
Wednesday	8/23	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
Friday	8/25	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:				
Monday	8/28	1.1	Linear Equations, My Math Lab	13, 17, 31, 41, 43, 59, 67
Wednesday	8/30	1.2	Applications of Linear Equations	7, 9, 11, 27, 33, 35, 43
Friday	9/1	1.3	Complex Numbers	9, 19, 27, 31, 37, 43, 45, 73, 77, 93
Week 3:				
Monday	9/4		Holiday: No Class	
Wednesday	9/6	1.4	Quadratic Equations	15, 23, 31, 41, 59, 65, 69, 73
Friday	9/8	1.5	Applications of Quadratic Equations	5, 7, 15, 17, 21, 29, 31
			MML#1	
Week 4:				
Monday	9/11	1.6	Other Types of Equations	3, 11, 15, 23, 37, 49, 53, 65, 71, 73, 75, 89
Wednesday	9/13	1.7	Inequalities	5, 15, 19, 29, 37, 41, 45, 49, 59, 75, 89, 95
Friday	9/15	1.8	Absolute Value Equations/Inequalities	7, 15, 37, 45, 55, 57, 61, 77, 85
			MML#2	
Week 5:				
Monday	9/18		Review	Complete practice exam before class
Wednesday	9/20		EXAM 1, Module 1	
Friday	9/22	2.1	Graphs of Equations	9, 19, 25, 31, 37, 39, 41, 43, 49, 51, 59, 61, 73
			MML#3	
Week 6:				
Monday	9/25	2.2	Functions	11, 35, 37, 51, 63, 71, 75, 79
		2.3	Linear Functions	11, 17, 27, 35, 39, 47, 55, 57, 63, 71, 73
Wednesday	9/27	2.4	Equations of Lines	5, 9, 19, 29, 31, 35, 37, 41, 51

Friday	9/29	2.5	Graphs of Basic Functions	5, 9, 21,27, 31, 33, 39, 43
			MML#4	
Week 7:				
Monday	10/2	2.6	Graphing Techniques	3, 23, 39, 41, 47, 51, 63
Wednesday	10/4	2.7	Function Operations	7, 11, 13, 19, 23, 39, 49, 61, 81
Friday	10/6		Review	Complete practice exam before class
			MML#5	
Week 8:				
Monday	10/9		EXAM 2, Module 2	
Wednesday	10/11	3.1	Quadratic Functions	1, 11, 17, 21, 25, 35, 49, 51, 53
Friday	10/13	3.2	Synthetic Division (Withdrawal Deadline)	5, 11, 17, 21, 23, 31, 35, 41, 49, 55
			MML#6	
Week 9:				
Monday	10/16	3.3	Zeros of Polynomials	9, 11, 17, 19, 25, 27, 29, 41, 47, 59, 65
Wednesday	10/18	3.4	Polynomial Functions	1, 11, 25, 31,33, 41, 45
Friday	10/20	3.5	Rational Functions	1, 11, 13, 19, 23, 25, 33, 39, 41, 45
			MML#7	
Week 10:				
Monday	10/23	3.5 cont.	Rational Functions	55, 57, 63, 73, 79
Wednesday	10/25		Review	Complete practice exam before class
Friday	10/27		EXAM 3, Module 3	
			MML#8	
Week 11:				
Monday	10/30	4.1	Inverse Functions	7, 9, 49, 61, 67, 71, 75
Wednesday	11/1	4.2	Exponential Functions	9, 15, 27, 45, 47, 49, 51, 53, 61, 67
Friday	11/3	4.3	Logarithmic Functions	5, 7, 15, 21, 27, 29, 33, 37, 43, 59, 67, 73
			MML#9	
Week 12:				
Monday	11/6	4.4	Evaluating Logarithms	1, 7, 13,15, 23, 27, 41, 47, 51, 63
Wednesday	11/8	4.5	Exponential/Logarithmic Equations	1, 9, 17, 23, 31, 45, 55, 67, 71, 73
Friday	11/10		Holiday: No Class	
			MML#10	
Week 13:				
Monday	11/13	4.6	Exponential Growth and Decay	5, 9, 15, 19, 25, 33, 37
Wednesday	11/15		Review	Complete practice exam before class
Friday	11/17		EXAM 4, Module 4	
			MML#11	

Week 14:				
Monday	11/20	5.1	Systems of Linear Equations	1, 7, 11, 19, 21, 29, 31, 35, 49, 55, 59, 67
Wednesday	11/22	5.2	Matrix Solutions to Linear Systems	1, 7, 9, 19, 31, 33, 53
Friday	11/24		Holiday: No Class	
			MML#12	
Week 15:				
Monday	11/27	5.5	Nonlinear Systems of Equations	1, 15, 25, 29, 39, 49
Wednesday	11/29		Review	Complete practice exam before class
Friday	12/1		Review	
			MML#13	

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.