

MAC1105 College Algebra Sections: 0001, 0002, and 0003
Fall 2007, 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.
Class Meetings:	There are three lectures and one discussion session each week. The lectures are on Monday, Wednesday, and Friday. You must be registered for a discussion session that will meet on either Tuesday or Thursday.
Contact Information:	Instructor: Ms. Tammy Muhs Email: tmuhs@mail.ucf.edu Office: MAP 201 A Office Hours: Mondays, Wednesdays, and Fridays 9:30 AM - 11:15 AM or by appointment
Required Textbook:	<u>College Algebra</u> , by Lial, Hornsby, and Schneider Second Custom Edition (available in the bookstore, ISBN: 978-0-5-3627386-4)
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 as you enter the lecture hall on exam days and in discussion sessions. Sharing calculators during quizzes and exams is not allowed.
Attendance/ Etiquette:	Please observe common rules of courtesy. Once inside the lecture hall 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 50-minutes. Try to avoid leaving early or arriving late as it is a distraction to your classmates and your instructor. Attendance will be taken in your discussion sessions.
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. We 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

	<p>additional exercises from the text. These homework sets are completed online utilizing the My Math Lab software. 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. 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 homework score and lowest 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. 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>Typically, you will take a short quiz during your Tuesday or Thursday discussion 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 your discussion quiz average. The discussion quiz average will constitute 5% of your course grade.</p>
Tests:	<p>There are three tests throughout the semester and a comprehensive final exam. All tests must be taken in the lecture section in which you are registered otherwise <u>a 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 • Name of discussion leader <p style="text-align: center;">Test Dates:</p> <p>Test 1: Wednesday, September 19, 2007 Test 2: Wednesday, October 10, 2007 Test 3: Wednesday, November 7, 2007</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 test and quizzes must be taken in the lecture or discussion 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 discussion quiz score will be dropped, and option B allows the final exam to be weighted heavier in the case a student misses a test, 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.</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 – 20% of total grade • Test 2 – 20% of total grade • Test 3 – 20% of total grade • My Math Lab Online Homework average – 5% of total grade • My Math Lab Online quiz average – 5% of total grade • Discussion 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 two test scores – 40% of total grade • My Math Lab Online Homework average – 5% of total grade • My Math Lab Online quiz average – 5% of total grade • Discussion quiz average - 5% of total grade • Final exam score– 45% of total grade <p>IMPORTANT NOTE: Option B will be used if a student misses a test. If all three tests are taken, the option resulting in the highest 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="513 890 1265 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 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 of their discussion sections * 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) 												
Extra Help:	<p>In addition to the office hours of the discussion group leaders and 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 Math Lab website or 1-888-777-0463.</p>												
Disability related	<p>The University of Central Florida is committed to providing reasonable</p>												

Accommodations:	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.
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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 with Discussion Session Class Schedule Fall 2007				
DAY /WEEK	DATE	SECTION	TOPICS	Online Assignment Problems are similar to textbook problems.
Week 1:				
Monday	8/20	R.1-R.3	Syllabus and Review key concepts	
Wednesday	8/22	R.4-R.7	Review key concepts	
Friday	8/24	1.1	Linear Equations	
				Pre-Test
Week 2:				
Monday	8/27	1.2	Applications of Linear Equations	
Wednesday	8/29	1.3	Complex Numbers, My Math Lab	
Friday	8/31	1.4	Quadratic Equations	
				Quiz #1
Week 3:				
Monday	9/3		Holiday: No Class	
Wednesday	9/5	1.5	Applications of Quadratic Equations	
Friday	9/7	1.6	Other Types of Equations	
			MML#1	Quiz #2
Week 4:				
Monday	9/10	1.7	Inequalities	
Wednesday	9/12	1.8	Absolute Value Equations/Inequalities	
Friday	9/14	2.1	Graphs of Equations	
		2.2	Functions	
			MML#2	Quiz #3
Week 5:				
Monday	9/17		Review	Complete practice exam 1 before class
Wednesday	9/19		EXAM 1, Module 1	
Friday	9/21	2.3	Linear Functions	
			MML#3	Quiz #4

Week 6:				
Monday	9/24	2.4	Equations of Lines	
Wednesday	9/26	2.5	Graphs of Basic Functions	
Friday	9/28	2.6	Graphing Techniques	
			MML #4	Quiz #5
Week 7:				
Monday	10/1	2.7	Function Operations	
Wednesday	10/3	3.1	Quadratic Functions	
Friday	10/5	3.2	Synthetic Division	
			MML #5	Quiz #6
Week 8:				
Monday	10/8		Review	Complete practice exam 2 before class
Wednesday	10/10		EXAM 2 Module 2 and 3.1-3.2	
Friday	10/12	3.3	Zeros of Polynomials	Withdrawal Deadline 10/12/07
			MML #6	Quiz #7
Week 9:				
Monday	10/15	3.4	Polynomial Functions	
Wednesday	10/17	3.5	Rational Functions	
Friday	10/19	3.5 cont.	Rational Functions	
			MML #7	Quiz #8
Week 10:				
Monday	10/22	4.1	Inverse Functions	
Wednesday	10/24	4.2	Exponential Functions	
Friday	10/26	4.3	Logarithmic Functions	
			MML#8	Quiz #9
Week 11:				
Monday	10/29	4.4	Evaluating Logarithms	
Wednesday	10/31	4.5	Exponential/Logarithmic Equations	
Friday	11/2	4.6	Exponential Growth and Decay	
			MML#9	Quiz #10
Week 12:				
Monday	11/5		Review	Complete practice exams 3 and 4 before class
Wednesday	11/7		EXAM 3, Module 4 and sections 3.3-3.5	
Friday	11/9	5.1	Systems of Linear Equations	
			MML#10	Quiz #11

Week 13:				
Monday	11/12		Holiday: No Class	
Wednesday	11/14	5.2	Matrix Solutions to Linear Systems	
Friday	11/16	5.2 (Cont)	Matrix Solutions to Linear Systems	
			MML#11	Quiz #12
Week 14:				
Monday	11/19	5.5	Nonlinear Systems of Equations	
Wednesday	11/21	5.5 (Cont)	Nonlinear Systems of Equations	
Friday	11/23		Holiday: No Class	
			MML#12	
Week 15:				
Monday	11/26		Review	Complete practice final exam before class
Wednesday	11/28		Review	
Friday	11/30		Review	
			MML#13	Quiz #13
FINAL EXAMS ARE LISTED FOR ALL THREE LARGE LECTURES. YOU MUST TAKE THE FINAL EXAM AT YOUR SCHEDULED TIME. PLEASE LOOK CAREFULLY!				
Class meets: 8:30-9:20 (Sec 0001)	Final Exam Date: December 5, 2006	Final Exam Time: 7:00 AM -9:50AM	FINAL EXAM, Cumulative	
Class meets: 11:30-12:20 (Sec 0002)	Final Exam Date: December 5, 2006	Final Exam Time: 10:00 AM-12:50PM	FINAL EXAM, Cumulative	
Class meets: 1:30- 2:20 (Sec 0003)	Final Exam Date: December 10, 2006	Final Exam Time: 1:00 PM-3:50PM	FINAL EXAM, Cumulative	