

MAC1105 College Algebra Spring 2007 3 credit hours Sections: 0M29, 0M30, 0M31, 0M32, 0M43, and 0M44	
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:	This class meets only one day per week as it is a mixed mode course. It is expected that the student spends additional time each week using the instructional resources available within the My Math Lab environment including lecture videos, class notes, and the multimedia textbook. These instructional resources provide the additional two hours instructional time each week.
Contact Information:	Instructor: Mr. Worley Email: gworley@mail.ucf.edu
Required Textbook and Online Access:	<i>College Algebra</i> , 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. Calculators will be checked for quizzes and tests. 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 50-minutes. Leaving early or arriving late is a distraction to your classmates and your instructor. Attendance will be recorded.
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, scantron, or computer), 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 additional exercises from the text. These homework sets are completed online

	<p>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 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 homework score and lowest quiz score will be dropped. Please note: The 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>
<p>In-Class Quizzes:</p>	<p>Typically, you will take a short quiz during your class. The quizzes will be similar to the online exercise questions. 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>
<p>Tests:</p>	<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 <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) • #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 Dates: Test 1: Class Meeting Day During the Week of February 4, 2008 Test 2: Class Meeting Day During the Week of February 25, 2008 Test 3: Class Meeting Day During the Week of March 17, 2008 Test 4: Class Meeting Day During the Week of April 7, 2008</p> <p>Final Exam for all Reduced Seat Time Sections: Saturday, April 26, 2008 1:00 PM-3:50PM in VAB 132 You will need a scantron (form code: F-17355-PAR-L available in the UCF affiliated bookstores) and knowledge of your PID for the final exam!</p>
<p>Make-up Policy:</p>	<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 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, 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 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 • 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 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 • Discussion 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 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="516 1024 1263 1234"> <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 of their class meetings * 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) 												

Open Lab Hours and Extra Help:	<p>The College Algebra Computer Lab located in MAP 110 is open and staffed with an instructor working with the College Algebra program during the following days and times:</p> <p style="padding-left: 40px;">Monday 10 am – 2:00 pm Tuesday 10 am – 2:00 pm Wednesday 10 am – 2:00 pm Friday 10 am – 2:00 pm</p> <p>In addition to the open lab hours, 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 Accommodations:	<p>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.</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.

DAY /WEEK	DATE	SECTION	TOPICS
Week 1:	1/7		
		R.1-R.7	Syllabus and Review key concepts
Week 2:	1/14		
		1.1	Linear Equations , Applications of Linear Equations
		1.2	Applications of Linear Equations, My Math Lab
		1.3	Complex Numbers
Week 3:	1/21		Holiday for Monday Classes!
		1.4	Quadratic Equations
		1.5	Applications of Quadratic Equations
		1.6	Other Types of Equations
Week 4:	1/28		
		1.7	Inequalities
		1.8	Absolute Value Equations/Inequalities
Week 5:	2/4		Review on Sunday, 2/3/08 from 6:00pm-7:30pm
			EXAM 1
		2.1	Graphs of Equations
		2.2	Functions

Week 6:	2/11		
		2.3	Linear Functions
		2.4	Equations of Lines
		2.5	Graphs of Basic Functions
Week 7:	2/18		
		2.6	Graphing Techniques
		2.7	Function Operations
			Review
Week 8:	2/25	Withdrawal Deadline 2/29/08	Review on Sunday, 2/24/08 from 6:00pm-7:30pm
			EXAM 2
		3.1	Quadratic Functions
		3.2	Synthetic Division
Week 9:	3/3		
		3.3	Zeros of Polynomials
		3.4	Polynomial Functions
		3.5	Rational Functions
Week 10:	3/17		Review on Sunday, 3/16/08 from 6:00pm-7:30pm
			EXAM 3
		4.1	Inverse Functions
Week 11:	3/24		
		4.2	Exponential Functions
		4.3	Logarithmic Functions
		4.4	Evaluating Logarithms
Week 12:	3/31		
		4.5	Exponential/Logarithmic Equations
		4.6	Exponential Growth and Decay
Week 13:	4/7		Review on Sunday, 4/6/08 from 6:00pm-7:30pm
			EXAM 4
		5.1	Systems of Linear Equations
		5.2	Matrix Solutions to Linear Systems
Week 14:	4/14		
		5.2 (Cont)	Matrix Solutions to Linear Systems
		5.5	Nonlinear Systems of Equations
Week 15:	4/21		Monday classes will meet!
Final Exam Date, Time, and Location: April 26, 2008 from 1:00 pm – 3:50 pm in VAB 132			