

McLennan Community College – Mathematics Department

Math 1314: College Algebra

(Sec. 05 2743: MW 11:10 am – 12:30 pm, Room AS 204)

Syllabus – Fall 2009

Instructor: Dr. April K. Andreas
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Department Website: <http://www.mclellan.edu/departments/math/>
Course Website: <http://www.cleverfred.com/mcc/>

In case the school has to close due to inclement weather, please visit the school website for up to date official information at <http://www.mclellan.edu/>.

Catalog Description: May include the following topics: linear, quadratic, polynomial, exponential, logarithmic, and rational functions, their graphs, and their use in mathematical modeling; composition and inverses of functions, systems of linear equations and inequalities; matrices and determinants; and sequences and series. Problem solving with algebraic applications relevant to today's world is emphasized throughout.

Prerequisites: Prerequisite: A score of 270 or above on the math portion of THEA or equivalent score on approved alternative test, credit for MATH 0311, or consent of division director.

Required Textbook: *College Algebra: Concepts through Functions*, Sullivan & Sullivan, 2007.

Calculator: This course requires a TI-84 or TI-83 graphing calculator

MyMathLab Interactive Homework: In order to access course materials through Blackboard, you will need to access CourseCompass, using MyMathLab.

1. Go to www.coursecompass.com and click on Register.
2. Enter your six-word student access code, school zip code (76708), and country.
3. Enter the Course ID: **andreas23882**.
4. Fill in the requested information, and then create your unique Login Name and Password. It's recommended that you use your email address as your login name.
5. Return to www.coursecompass.com and log in. At the Welcome page, click on the course you are taking.
6. The first time you enter the site from your computer and anytime you use a new computer, click on the software Installation Wizard on the Announcements page or on the navigational buttons on the bottom left side of the screen. This wizard will walk you through the installation of the software you will need to use the MyMathLab resources. Note: the software may already be installed in the school lab. Check with your lab administrator. Technical problems? Call Tech Support at 800-677-6337, Monday – Friday 9am – 6pm EST.

Note that we will use MyMathLab for all homework. MyMathLab also contains additional study materials that you will likely find useful.

Office Hours. Unless announced otherwise, my office hours will be Monday through Thursday from 1:15 pm to 2:30 pm. You can also make an appointment to meet with me at another particular time, and are also welcome to drop by my office without an appointment. I do leave campus shortly after 2:30 pm every day, but I don't have class at all on Fridays, so that is usually a great day to come by.

Math Lab. Any student enrolled in this class has free access to the Math Lab, located in HPE 218. The Math Lab offers the following services:

- Computerized tutorials for each math course from Arithmetic and Prealgebra through College Algebra and Trigonometry, as well as Contemporary Liberal Arts Mathematics.
- Videos for all courses from Basic College Mathematics through Precalculus and Statistics, and for selected topics in Calculus and other subjects.
- Workshops on specific topics, which can be arranged for groups upon request.

Hours of operation are usually Monday – Thursday 8:00 am – 7:30 pm and Friday 8:00 am – 2:00 pm. Call (254) 299-8809 to confirm for particular days.

Attendance. Attendance is mandatory. The class roll will be checked every day. No absences are “excused,” with the exception of religious holy days as defined by the MCC attendance policy. *Per MCC policy, you will be automatically dropped after missing 20% of class meetings, or 6 classes.* If the student is dropped before the official drop date, the student will receive a grade of W. If the student is dropped after the official drop date, the student will only receive a grade of W if the student is passing. Otherwise, the student will receive a grade of F.

ADA Statement. “In accordance with the requirements of the Americans with Disabilities Act (ADA), and the regulations published by the United States Department of Justice 28 C.F.R. 35.107(a), MCC’s designated ADA co-coordinators, Mr. Gene Gooch - Vice President, Finance and Administration and Dr. Santos Martinez – Vice President, Student Services shall be responsible for coordinating the College’s efforts to comply with and carry out its responsibilities under ADA. Students with disabilities requiring physical, classroom, or testing accommodations should contact Mr. Marcus Sweatt, Disabilities Specialist, at 299-8122 or msweatt@mcclennan.edu.”

Six Drop Rule: Students who enroll at MCC as entering freshman or first-time college students during the fall 2007 semester or any subsequent semester may not drop more than six courses. The six-course limit does not apply to students who were enrolled in college courses prior to the fall 2007 semester. Students who have completed a baccalaureate degree at any accredited public or private institution are not subject to the six-course limit. The sixcourse limit includes courses taken at MCC or any other Texas public institution of higher education. If a seventh drop is attempted, the student and instructor will be informed that the student must remain in the course and the student will receive a grade of A, B, C, D, F or 1. He/she will not be able to receive a W or withdrawal grade and will not be due a refund of tuition and fees. All courses dropped after the semester census date are included in the six-course limit unless (1) the student withdraws from all courses or (2) the drop is an approved drop exemption.

Academic Dishonesty: Any Student that is found guilty of academic dishonesty such as cheating, plagiarism, or collusion, will receive the zero grade on every test or assignment involved. For repeated violations, a guilty student can be assigned a failing grade in this course and can be recommended for suspension from the McLennan Community College District.

Makeup Policy and Late Assignments: No makeup tests will be given. If you miss a test due to illness / sleeping in / WoW raid, that will be the test grade which is dropped to make up your total test score. If you will miss the final due to illness or other excused absence as defined by the MCC attendance policy, you must let me know in advance in order to make up the grade. Late assignments will not be accepted. Ever.

Miscellaneous: Normally, please do not bring your children, friends, or guests to the class. (Please discuss this with me because I do not want you missing class if you cannot make child care arrangements.)

Privacy: Because of Privacy Laws, I can only discuss your grade with you, in person and in private. I can only discuss grades by e-mail if you e-mail me with your university address.

Grading Policy

Standard Points			
Total Items	Item Type	Points Per Item	Total Points Per Item
24	Quiz	3	72
23	Homework	5	115
4	Test Reviews	20	80
3	Chapter Tests (lowest score dropped)	150	450
1	Final Exam Review	33	33
1	Final Exam	250	250
Total Points			1000

Bonus Points	
Item Type	Points Per Item
Locate Office	20
Midterm Conference	20
Notebook Check 1	15
Notebook Check 2	15
Notebook Check 3	15
Notebook Check 4	15
Total Bonus	100

Total Possible Points = 1000 + 100 = 1100

A: 900+ B: 800 – 899 C: 700 – 799 D: 600 – 699 F: 0 – 599

Daily Quizzes: There will be 24 quizzes on non-test days, worth 3 points each. The quiz will be based on the “Are You Prepared?” problems at the beginning of the section or sections covered during that class period. If you work these problems in advance, you will be able to use your notes during the quiz. You will not, however, be allowed to use your book. If there are no “Are You Prepared?” problems at the beginning of that particular section, then anything that we have had a quiz on up until that day is fair game.

Homework: There will be 23 homework assignments, worth 5 points each. All assignments should be completed through Blackboard/Course Compass. You will have up to four tries to complete each problem, and your highest grade on each assignment will be recorded. Completing and understanding each problem is essential to your success in class. It is your responsibility to keep up with the assignments and to come to office hours if you need help. DO NOT wait until right before an exam to get help with the homework.

In the case that CourseCompass breaks down, equivalent homework assignments are listed in this syllabus and on the course website listed at the top of the first page of the syllabus. Work that would normally be turned in via CourseCompass should be turned into class the day it is due. Click the Current Classes link, and then click the Daily Assignments link to access those materials. **Even if Blackboard / CourseCompass isn't working, you are still responsible to turn in all assignments on time!** If you do not show your work on homework that is turned in on paper, you will not receive any credit. Do not turn in paper-based assignments unless there is a technical problem with getting the homework completed on CourseCompass.

Test Reviews: You will be expected to complete the associated “Chapter Test” as a test review for each of the four tests we take in class, as well as for the final exam. There are complete video solutions to each problem from the “Chapter Test” on CourseCompass. You are encouraged to watch the videos and check your answers. You should complete the assigned problems on paper and turn them in on test day. **If you do not show all your work, you will not receive any credit.**

Review #	Requirements	Due Date
Test Review 1	pg 111, Problems 1 - 12	Sep 21
Test Review 2	pg 179, Problems 1 - 15	Oct 7
Test Review 3	pg 259, Problems 1 - 7, 11	Oct 26
Test Review 4	pg 359, Problems 1 - 20, 22	Nov 16
Final Review	pg 491, Problems 1 – 10 Also, turn in all previously-taken tests, with all incorrect answers fully corrected	Dec 7

Tests: All tests will be taken in the classroom. During this time, cell phones must be put away and turned off (not on vibrate... off). The highest 3 scores of the 4 tests will be included in your final score (your lowest test grade will be dropped). No tests may be retaken. All tests must be taken with closed books and without any notes or formulas. You must complete each test during the time given. If you are late for class, you forfeit that amount of time to work.

Comprehensive Final Exam: The comprehensive final will be **Monday, December 7**, 11:10 am – 1:10 pm. It will be taken in class. The final exam grade cannot be dropped or retaken. The exam must be taken with closed books and without any notes or formulas.

Bonus Points. You will have the opportunity to increase your grade by completing various tasks throughout the semester that are aimed to help you learn college success strategies. None of these tasks are required, and they do not provide enough extra points that you can actually skip any major assignment, but they can potentially help push your score up a letter grade.

Locate Office. You must find my office and sign the door before 2:30 pm on **Friday, September 4**. (If I am there you are certainly welcome to talk to me!)

Midterm Conference. Some time between September 21 and November 20, make an appointment with me to discuss how things are going in the class.

Notebook Checks. A critical success factor in college is organization. Bring your notebook to class. It should include all notes, handouts, and previous assessments. Notes should be in date order. There should be a page on the front where you are keeping track of assignments, due dates, and grades. You should use dividers to divide your notes by unit.

Notebook Check 1: Monday, September 21

Notebook Check 2: Wednesday, October 7

Notebook Check 3: Monday, October 26

Notebook Check 4: Monday, November 16

Daily Calendar

Please Note: You are responsible for everything in the sections listed in the detailed calendar below, whether or not it is actually covered in class. You should work out the examples in the book before completing your homework.

Date	We will cover... / We will take "Are You Prepared?" Quiz covering all material up through...	We will take Quiz #	Begin work on HW #	This HW # is Due
Mon, Aug 24	1.1	1	1	
Wed, Aug 26	1.1, 1.2	2	2	1
Mon, Aug 31	1.3	3	3	2
Wed, Sep 2	1.4	4	4	3
Wed, Sep 9	1.5	5	5	4
Mon, Sep 14	1.6, 2.1	6	6	5
Wed, Sep 16	2.2, 2.3	7	7	6
Mon, Sep 21	Test 1			
Wed, Sep 23	2.3, 2.4	8	8	7
Mon, Sep 28	2.5, 2.6, 2.7	9	9	8
Wed, Sep 30	2.7, 2.8, 3.1	10	10	9
Mon, Oct 5	3.1	11	11	10
Wed, Oct 7	Test 2			
Mon, Oct 12	3.2	12	12	11
Wed, Oct 14	3.3	13	13	12
Mon, Oct 19	3.4, 3.5	14	14	13
Wed, Oct 21	4.1	15	15	14
Mon, Oct 26	Test 3			
Wed, Oct 28	4.2	16	16	15
Mon, Nov 2	4.3, 4.7	17	17	16
Wed, Nov 4	4.4, 4.5	18	18	17
Mon, Nov 9	4.5, 4.6	19	19	18
Wed, Nov 11	6.1	20	20	19
Mon, Nov 16	Test 4			
Wed, Nov 18	6.1, 6.2	21	21	20
Mon, Nov 23	6.2	22	22	21
Mon, Nov 30	6.4	23	23	22
Wed, Dec 2	Final Review	24		23

Backup Assignments

Please Note: You should complete all assignments through CourseCompass. In the event that CourseCompass is not working, you may complete the following problems and turn them in on paper during class time. If you do not show your work, you will not receive credit. Do not turn in assignments on paper unless there is a significant technical problem with CourseCompass.

Homework #	Chapter.Section	Problems	Due
HW1	1.1	15, 17, 19, 25, 27, 29, 31, 33, 35, 39, 45, 73, 77	Aug 26
HW2	1.1	47, 49, 51, 55, 57, 75	Aug 31
	1.2	9, 11, 15, 23, 41	
HW3	1.3	33, 35, 39, 43, 11, 13, 17, 19, 30, 75, 79	Sep 2
HW4	1.4	9, 11, 25, 27, 31, 35, 37	Sep 9
HW5	1.5	7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 39, 41, 43, 47, 53	Sep 14
HW6	1.6	1, 7, 9, 11, 15, 17, 31	Sep 16
	2.1	13, 15, 17, 19, 21, 25, 43, 47, 53, 57	
HW7	2.2	7, 13, 15, 19, 22, 25	Sep 23
	2.3	13, 15, 23, 51, 89, 27, 87, 31, 35	
HW8	2.3	38, 42, 43, 45, 75, 83	Sep 28
	2.4	27, 31, 35, 41, 44, 48, 52, 53, 57, 61, 63, 67	
HW9	2.5	3, 5, 7, 11, 13, 17, 25, 27, 33	Sep 30
	2.6	3, 7, 15, 19, 35, 37	
	2.7	9, 15	
HW10	2.7	25, 26, 29	Oct 5
	2.8	19, 21, 27, 31, 39, 47, 49, 51, 53, 55, 59	
HW11	3.1	11, 17, 20, 23, 27, 31, 37, 43, 45, 57, 67, 69, 71, 77, 87	Oct 12
HW12	3.2	11, 13, 15, 17, 21, 23, 41, 43, 45, 47, 49, 51	Oct 14
HW13	3.3	7, 15, 17, 25, 29, 31, 33, 57, 59, 61, 65	Oct 19
HW14	3.4	5, 11, 13, 15, 21, 23, 25, 27, 33	Oct 21
	3.5	11, 17, 19, 103, 106, 33, 45, 47, 53	
HW15	4.1	7, 11, 19, 25, 27, 35, 39, 49, 53, 55, 57, 59	Oct 28
HW16	4.2	9, 13, 17, 19, 23, 27, 31, 35, 37, 43, 45, 49, 53, 57, 59, 69	Nov 2
HW17	4.3	11, 17, 43, 59, 63, 65, 69, 75, 85	Nov 4
	4.7	3, 7, 27, 37, 49, 13, 51	
HW18	4.4	9, 11, 13, 17, 19, 27, 28, 31, 33, 36, 87, 89, 99	Nov 9
	4.5	9, 11, 19	
HW19	4.5	17, 23, 29, 33, 35, 41, 43, 49, 51, 55, 63, 65, 68	Nov 11
	4.6	5, 7, 9, 19, 23, 27, 29, 35, 47, 49, 53, 57	
HW20	6.1	9, 17, 59, 19, 23, 35, 37, 39, 57, 67, 25, 29	Nov 18
HW21	6.1	41, 43, 69, 75, 45, 47	Nov 23
	6.2	7, 15, 25, 27, 29, 31, 33, 17, 21	
HW22	6.2	37, 39, 47, 53, 55, 61, 63, 77	Nov 30
HW23	6.4	7, 9, 11, 13, 15, 17, 21, 23, 27, 73	Dec 2

I reserve the right to change any term on this syllabus at any time during the semester.