MATH 1314.013: College Algebra
Texas A&M University – Corpus Christi, Spring 2013

I. COURSE INFORMATION

Instructor: Vivian Marie Martinez  
E-mail: vivian.martinez@tamucc.edu  
Office location: CI 311  
Office phone: leave message at (361)825-3754  
Office hours: T 9:20am-10:20am & 2:15pm-3:15pm  
Meeting place: Math 1314.013 CS 114  
Meeting times: TR 8:00-9:15 am

II. COURSE DESCRIPTION

The course continues the development of algebra from Math 0399, Intermediate Algebra. A review of properties of numbers and linear equations and inequalities is included. Topics are quadratic equations and inequalities, graphs, logarithms, and exponential, solutions of polynomial equations, systems of equations, and matrices.

III. PREREQUISITES for the COURSE

Math 0399, Intermediate Algebra, or placement into College Algebra.

IV. REQUIRED TEXTBOOKS and OTHER MATERIALS

College Algebra by Lial. Hornsby, Schneider, Edition 2013 (ISBN: 9781256683384) A TI-83 or TI-83 plus is required for the course. Other models may be used but will not be supported by the instructor. A student Solutions manual is available for sale in the bookstore.

V. STUDENT LEARNING OUTCOMES

The student learning outcomes are:
1) Solve linear equations (with specific unknown variables) and inequalities, recognize and create graphs of linear functions and interpret and solve linear models.
2) Solve quadratic equations (includes circles and variations) and inequalities, recognize and create graphs of quadratic functions and interpret and solve quadratic models.
3) Solve polynomial equations and inequalities, recognize and create graphs of polynomial functions and interpret and solve polynomial models.
4) Use exponential expressions and functions to model real world situations and to solve abstract exponential equations.
5) Use logarithmic expressions and functions to model real world situations and to solve abstract logarithmic equations.
6) Model with systems of equations with two variables and solve them using the method of substitution, graphing or elimination with backward substitution.
7) Apply a general understanding of the use of inverse functions (their domains and ranges) and procedures to solve real-world and abstract equations and models.

VI. INSTRUCTIONAL METHODS and ACTIVITIES
Methods and activities for instruction include lecture by the instructor and participation by the students by doing problems in class.

VII. EVALUATION AND GRADE ASSIGNMENT
The methods of evaluation and the criteria for grade assignments are:
Homework & quizzes 15%
Tests 55%
Final 30% (Comprehensive, calculator is allowed)
Grading Scale:
A = 90 – 100, B = 80 – 89.99
C = 70 – 79.99, D = 60 – 69.99, F = 59.9 or below.

VIII. TENTATIVE COURSE SCHEDULE

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<th>Week</th>
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<th>Topic</th>
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<td>Jan 24</td>
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<td>Jan 29</td>
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<td>Jan 31</td>
<td>1.3, 1.4</td>
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<td>3</td>
<td>Feb 5</td>
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<td>Feb 7</td>
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<td>2.3, 2.4</td>
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<td>3.2, 3.3</td>
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| 12 | April 9  
April 11 | 5.1  
5.2 |
| 13 | April 16  
April 18 | 5.3  
6.1 |
| 14 | April 23  
April 25 | 6.2  
6.3 |
| 15 | April 30  
May 2 | Review for final  
Review for final |
| 16 | May 7  
May 9 | Review for Final Exam  
Finals Begin |
| 17 | May 14 | Final 8-10:30 am |

Last day of classes is **May 7**.

**IX. CLASS POLICIES**

**Attendance/Tardiness.** You’re expected to attend every class session, arrive on time, and complete all in-class activities. If you need to miss part or all of a class session, please note that you are responsible to any missed material. Staying in contact with me by email or phone will help keep you informed of any changes in the class.

**Late Homework.** Homework will be due 1 day before test, and will be subject to “a hard deadline” set through the homework website. No extensions are allowed for homework, but up to 3 of lowest homework scores will be dropped from the grading.

**Cell Phones/Electronic Devices.** Please silence electronic devices during class and step out of class to use them. You may not use any personal electronic device during exams.

**In-Class Activities.** Please take responsibility for the learning of yourself and the others around you in class. By maintaining a spirit of respect and challenge, you can expect classroom activities to be inviting, lively, and challenging.

**Dropping a class.** I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. **Just stopping attendance & participation WILL NOT automatically result in your being dropped from the class.**

**Academic integrity.** University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a minimum of a 0 on the assignment or test.
Disability services. The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call or visit Disability Services at (361) 825-5816 in Driftwood 101. If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

Grade appeals process. As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at tamucc.edu/provost/university_rules. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.

Classroom Behavior. Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

*Help:
Tutoring and Learning Center has many quality tutors to help you while you need someone beside my office hours. Welcome to visit those tutors at the Glasscock building. Please find out their schedule first before you make a plan to go for this semester. I will be happy to work with you anytime during my office hours and also email me for your special needs. Good luck to everyone in the class.

Changes. The instructor may amend the syllabus by announcing the changes in class.

Final Schedule: Final Exam

Math 1314 .013 Tuesday  May 14 8-10:30 am

New State Law regarding course drops
The State of Texas has enacted a statute that applies to students who enroll in public institutions of higher education as first-time freshmen in Fall 2007 or later. Under section
51.907 of the Texas Education Code, “an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education.” Any course a student drops after the census date published in the class schedule or academic calendar (which for Fall 2007 is Sept 7th) is counted toward the six-course limit unless specifically identified as being exempt. If you have any questions please send an email with phone number to admisstamucc.edu and a representative of the Office of Admissions & Records will contact you.