I. COURSE INFORMATION

Instructor: Jennifer Compton Nemec
Office: CI 314
Office Phone: (361) 825-3015
Office Hours: TBD
Email: Jennifer.Nemec@tamucc.edu
Time & Location: TR CS 112; 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 include quadratic equations, inequalities, graphs, logarithms and exponential functions, polynomial equations, system of equations, and matrices.

III. COURSE PREREQUISITES

Intermediate Algebra (Math 0399) or placement into College Algebra.

IV. COURSE MATERIALS

Required: Unused access code for online MyLabsPlus, College Algebra by Lial, Hornsby, and Schneider textbook, and a Texas Instruments TI-83 plus (or better) graphing calculator.

The MyLabsPlus access code can be purchased with the textbook in a bundle at the TAMU-CC bookstore.

V. COURSE OBJECTIVES AND GOALS

The student learning outcomes are:

1) Solve linear equations (with specific unknown variables) and inequalities, recognize and create graphs of linear functions and interpret 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 ACTIVIES

Instruction for this course includes lectures and discussions of mathematical concepts, demonstration or problem solving techniques using example problems, class discussion, and application of concepts involving class, group, and/or individual activities.
VII. EVALUATION AND GRADE ASSIGNMENT

The methods of evaluation and the criteria for grade assignments are:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Homework</td>
<td>30%</td>
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<tr>
<td>Quizzes</td>
<td>10%</td>
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<tr>
<td>Exams</td>
<td>40%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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Grading Scale - Grades will be no stricter than:

- A = 90 – 100
- B = 80 – 89.99
- C = 70 – 70.99
- D = 60 – 69.99
- F = 59.99 or below

No special options, assignments, or alternative grading schemes will be considered for individual students. All graded materials returned to the student are the sole responsibility of the student and must be resubmitted to the professor to receive consideration in grading disputes. **The sharing of calculators and other materials during quizzes and exams is not permitted.**

Homework: Individual assignments are made online through MyLabsPlus. Students will solve and submit completed homework assignments online through MyLabsPlus. Homework will be assigned at the completion of each section and each homework assignment will be due the next class day at 11:59pm. For example, if you have an assignment on Monday, it is due Tuesday at 11:59pm. Time extensions for homework **will not** be given for any other circumstances, happenings, or individual student situations, period. It is also advisable to work extra problems out of the textbook’s exercise section for more practice, and it is the discretion of the professor to assign extra homework at any time. Three homework assignments will be dropped at the end of the semester. Homework is worth 30% of the course grade. Here is the website link: tamucc.mylabsplus.com.

Quizzes: Quizzes will be individual assessments focusing on material most recently covered. Quizzes will be administered on 6/2 and 6/23. The quizzes will be similar to those found on MyLabsPlus and in the exercise section of the textbook. Calculators will be allowed unless otherwise instructed. Quizzes are 10% of the course grade.

Exams: There will be three equally weighted individual assessment exams given during the course of the semester. Calculators will be allowed. The exam dates are 6/8, 6/16 and 6/28. The combined exams will be worth 40% of the course grade.

Final Exam: The final exam will be an individual assessment covering ALL material presented in the course. Graphing calculators are allowed and even encouraged for the final exam. The final is worth 20% of the course grade. If your final exam grade is higher than your lowest exam grade, the final exam grade will replace your lowest exam grade. Information about the final exam can be found here: [http://math.tamucc.edu/MATH/CurrentStudentInfo](http://math.tamucc.edu/MATH/CurrentStudentInfo).

VIII. TENTATIVE COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Day</th>
<th>Section(s)</th>
<th>Summer 2011</th>
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<tbody>
<tr>
<td>8/25</td>
<td>Introduction, Quiz</td>
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<tr>
<td>8/30</td>
<td>Review</td>
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<tr>
<td>9/1</td>
<td>Review</td>
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<td>9/6</td>
<td>1.1, 1.2</td>
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<td>9/8</td>
<td>1.3, 1.4</td>
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<td>9/13</td>
<td>1.4, 1.5</td>
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<td>9/15</td>
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<td>9/20</td>
<td>1.8</td>
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<tr>
<td>9/22</td>
<td>2.1, 2.2</td>
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IX. CLASS POLICIES AND EXPECTATIONS

Attendance: Attendance is mandatory. Attendance will be checked each class period. The 2nd, 4th, 6th, and 8th absence may result in one lower letter grade for the course. Please save absences for emergencies. An attendance sheet will be passed around most class days to record class attendance. It is your responsibility to “sign in” each and every class period. Any adjustments or corrections to the schedule or other policies will be announced in class and it is the responsibility of the student to stay informed of such changes. It is wise to develop acquaintances you can depend upon in case of an absence.

Make-ups: Since attendance is expected, there will be no make-up of online homework due to absence – excused or unexcused – no exceptions. There will be no make-ups given for missed quizzes or exams, period. If the student has a legitimate conflict, for example, an athletic event, it will be possible to schedule to take a quiz/exam in advance of the quiz/exam date. This should be handled as soon as possible to allow the professor adequate time to prepare an alternate quiz/exam. Students absent from the final exam must either qualify for an incomplete [for the course] or receive a grade of zero for the exam; the final exam cannot be rescheduled or made-up.

Email: I will send information, updates, etc. through email to your islander (or campus registered) email account. It is your responsibility to check the account often for important and pertinent information. I will also reply to email as best I can. Remember I have multiple classes so a response may be slow at times.

Students will not be allowed to use cell phones or MP3 devices during class. If a student is caught using either during a quiz or exam, it will be considered as cheating and may warrant an “F” for the assignment.

Ask questions in class. Feel free to interrupt the lecture or discussion at any time for relevant questions. They are very much encouraged and will benefit everyone in the class. Come into my office during office hours for as much help as you need. You can also schedule a time in advance with me outside office hours for extra help if needed. Please email me with any questions you might have, and I will do my best to respond quickly.

X. 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 and
participation WILL NOT automatically result in your being dropped from the class. June 17th is the last day to drop a class with an automatic grade of “W” this term.

XI. ACADEMIC INTEGRITY/PLAGIARISM

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 an F on the assignment or test.

XII. CLASSROOM/PROFESSIONAL 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 outline in Article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. The prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

XIII. 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 reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Office at (361) 825-5816 or go to the office at Driftwood 101.

XIV. 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 http://www.tamucc.edu/provost/university_rules/index.html. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.

XV. CHANGES

The instructor may amend the syllabus at any time prior to the final exam by announcing the changes in class.