I. COURSE INFORMATION
   ● Instructor: Pamela Cordova
   ● Email: pamela.cordova@tamucc.edu
   ● Meeting Time & Place: MW 5:30-6:45 pm ST 106
   ● Final Exam: 05/09 (W) 4:30-7:00 pm ST 106
   ● Office Hours: MW 4:20–5:20 pm CI 308
   ● Office Phone Number: (361) 825-2456

II. COURSE DESCRIPTION
   The course is designed for students needing a review of mathematics for the THEA test and Math 1314 (college algebra). The course is designed mostly for students who have not yet had a chance to learn college preparatory mathematics. Topics include linear equations, inequalities, and functions, rational expressions and equations, exponents and radicals, quadratic equations and functions, systems of equations, and application problems. You will not receive college level credit for this course.

III. PREREQUISITES FOR THE COURSE
   Successful completion of Math 0398 or placement into this course.

IV. TEXT AND OTHER SUPPLIES REQUIRED
   ● MyLabsPlus (required): You need MyLabsPlus access for the homework. If you buy the book new at the book store the access code should come bundled with the book. It is also available as a standalone access card at the bookstore or you can buy it online with a credit card when you first log in. To login to the website (tamucc.mylabsplus.com) use your islander email username and password.
   ● A scientific calculator.

V. COURSE OBJECTIVES
   The student learning outcomes are:
   1. Interpret and simplify integral and rational exponents.
   2. Use the properties of exponents to simplify algebraic expressions.
   3. Use addition, subtraction, multiplication and division with order of operations to simplify monomials, binomials and polynomials.
   4. Use properties to simplify radicals, including rationalizing the denominator.
   5. Use property of fractions and factoring to simplify rational expressions.
6. Solve linear equations and inequalities, which include real numbers, parenthesis, multiple-terms with the variable and have conditional, no solution or infinite solutions.
7. Use factoring techniques and the zero principle or the quadratic formula to solve quadratic equations for real or complex solutions.
8. Solve inequalities and report answers as graphs, sets, or intervals.
9. Solve equations that are classified as rational, radical, or absolute value.
10. Find the linear, rational, radical, quadratic equations to model or solve application problems including age problems, consecutive numbers, area problems, and motion problems.
11. Represent graphically the solution(s) of equations and inequalities in one and two variables.
12. Solve systems of linear equations in two variables using elimination and substitution methods.
13. Write equations in one or two variable to solve or model application problems including mixture and motion problems.
14. Understand the relationship between the slopes of two equations and the intercepts to determine if lines are parallel, perpendicular, and identity or just intersecting.
15. Write equations for lines that are parallel or perpendicular to a given equation and passing through a specific point using point slope formula.
16. Convert from standard form to slope-intercept form and vice versa.
17. Write equations for lines in slope-intercept, point-slope and standard form given a graph, two points or a slope and point.
18. Given a graph or quadratic equations determine the x- and y-intercepts, vertex.

VI. INSTRUCTIONAL METHODS AND ACTIVITIES
The instructional method is a combination of lectures by the instructor, student activities, and student participation by doing problems in class.

VII. EVALUATION AND GRADE ASSIGNMENT
The methods for evaluation and the criteria for the grade assignments are:
- **Homework (20%)** – Homework will be assigned through MyLabsPlus. All late assignments will receive a 20% deduction. At the end of the semester the two lowest homework grades get dropped.
- **Quizzes (10%)** – The quizzes will be given in class and will help prepare you for the tests. The lowest quiz grade will be dropped.
- **Tests (50%)** – There will be three tests, which will be given in class. If your final exam grade is higher than your lowest test grade, then the final will replace it.
- **Final (20%)** – The comprehensive final exam will be held on Wednesday, May 9 at 7:15 – 9:45 pm. The exam must be taken at this date and time.
- **Grading Scale:**
  - DA = 90 – 100
  - DC = 70 – 79.99
  - DB = 80 – 89.99
  - DIP = 0 – 69.99
* D stands for developmental and IP for in progress
## VIII. TENTATIVIVE COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>January 11</td>
<td>8.1, 8.2, 8.3, 8.4</td>
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<td>2</td>
<td>January 16</td>
<td>No Class (MLK)</td>
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<td>January 18</td>
<td>8.5, 8.6, 8.7</td>
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<td>3</td>
<td>January 23</td>
<td>9.1, 9.2, 9.3, 9.4</td>
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<td>January 25</td>
<td>9.5, 9.6, 9.7</td>
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<td>January 30</td>
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<td>February 1</td>
<td>10.3, 10.4, 10.5</td>
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<td>February 6</td>
<td>10.6, 10.7, Review</td>
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<td>February 8</td>
<td>Test #1 (Chapters 8, 9 and 10)</td>
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<td>February 13</td>
<td>11.1, 11.2</td>
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<td>February 15</td>
<td>11.3, 11.4</td>
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<td>February 20</td>
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<td>February 22</td>
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<td>February 29</td>
<td>13.4, 13.5</td>
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<td>March 5</td>
<td>13.6, 13.7, Review</td>
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<td>March 7</td>
<td>Test #2 (Chapters 11, 12 and 13)</td>
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<td>April 4</td>
<td>15.2, 15.3</td>
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<td>16.4, 16.5</td>
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<td>April 23</td>
<td>Appendix A (17.3, 17.6), Review</td>
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<td>April 25</td>
<td>Test #3 (Chapters 14, 15, and 16)</td>
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<td>16</td>
<td>April 30</td>
<td>Review for Final Exam</td>
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## IX. CLASS POLICIES

- **Attendance is MANDATORY** – Attendance will be checked at the end of each class. Make sure you sign in. Absences in the class may impact your final grade. Please save absences for emergencies. 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.
- The use of cell phones and electronic devices in class is not permitted at any time. 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.
• No credit will be awarded for unexcused absences on days test or quizzes are given. In the case of an emergency contact the instructor within 24 hours of the test or quiz and a makeup will be given if appropriate documentation is provided.
• There are no make-ups for the final exam. You will receive a zero if you miss the exam on the scheduled date and time.
• **Dropping a class:** Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the class be the best course of action, you must initiate the process by going to the Student Services Center and filling out a course drop form. Just stopping attendance will NOT automatically result in you being dropped from the class. **Friday, March 30,** is the last day to drop a class with an automatic grade of “W” this term.
• **Help/Tutoring:** Available through CASA in the Glasscock Memorial Center, as well as my office hours. Wherever you get help, please do not wait until the day before the test.

X. **ACADEMIC HONESTY**
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, forgery or plagiarism.

XI. **DISABILITY ACCOMMODATION**
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.

XII. **GRADE APPEAL PROCESSES**
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.