I. Course Information
Meeting Time & Place: TR 5:30 PM – 6:45 PM; Bay Hall 126
Instructor: Sheri Asbury, MS
Office: CI308
Email: sheri.asbury@tamucc.edu
Office Hours: To Be Announced

II. Course Description
This 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 applications problems. This course is not for credit toward graduation.

III. Prerequisites
Successful completion of Math 0398 or placement in this course.

IV. Text and Other Supplies Required
The textbook for the class is *Developmental Mathematics, 2nd Edition* by Elan Martin-Gay plus MyLabsPlus Student Access Kit. Other required materials include a four function calculator, notebook paper, folder or notebook and a pencil with an eraser. A TI83 graphing calculator will also be required.

V. Student Learning Outcomes
By the end of the semester, students will be able to show mastery for the following by passing with a score of 70% correct on tests and quizzes:
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 properties 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 or quadratic equations to model or solve application problems including age problems, consecutive number problems, 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 variables 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 a quadratic equation determine the x- and y-intercepts, vertex.

VI. Instructional Methods and Activities
Students will be shown models of solutions and will work independently and in groups to demonstrate mastery. Students will use MyLabsPlus independently to complete homework assignments. At the end of the semester, students will show mastery by passing assignments, skills tests and/or the final exam with a score of 70% or better.

VII. Evaluation and Grade Assignment
Attendance – 10%
Homework – 20%
Quizzes – 20%
Tests – 30%
Final Exam – 20%
Grading Scale: A = 90% or more
B = 80% to 89.9%
C = 70% to 79.9%
IP = 69.9% or below

A grade of F will only be given for those who make no effort to pass or who stop attending without dropping the course.

VIII. Tentative Course Schedule

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<td>8.5, 8.6, 8.7/Chapter 8 Review</td>
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<td>9/6</td>
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<tr>
<td>9/20</td>
<td>Review for Exam #1</td>
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<td>9/27</td>
<td>Exam #1</td>
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<td>9/29</td>
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<td>10/27</td>
<td>Quiz #2/15.1, 15.2</td>
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IX. Class Policies
1. I expect each student to attend all classes. Attendance is mandatory. Please save absences for emergencies.
2. If you are more than 20 minutes tardy you are considered absent.
3. Each absence counts for 2% of your grade. If you have 5 unexcused absences*, you will receive no credit for the attendance portion of your grade.
4. If you have a question regarding your final course grade, you have one week after grades are reported to ask me questions.
5. No make-up for the final exam. Please plan ahead.
6. Cell phone must be turned off during class.
*All absences are considered unexcused unless I receive a written excuse or other form of documentation. Appeals are possible only if I receive documentation (doctor notes, receipts, etc.) in written form in a timely manner and I accept it.

Important Dates
1. Labor Day Holiday is 9/5.
2. The last day to drop a class is 11/4.
3. Thanksgiving Holiday is 11/24-11/25.
4. The last day to withdraw from the university is 12/5.
5. The last day of class is 12/6.
6. The Final Exam is 12/8 from 4:30 PM to 7:00 PM.

Responsibility
1. You are responsible for assigned work and test preparation.
2. You are responsible for obtaining required supplies and bringing them to class.
3. You are responsible or organizing your time so that you can study and complete homework as necessary outside of class.
4. You are responsible for any work missed if absent.
5. You are responsible for seeking help in the CASA Math Lab or from a private tutor, coming to office hours or attending a student group if you are having difficulty with a skill or concept.

X. Dropping A Class
I hope you do not have to drop this class. Sometimes situations occur that make dropping a course necessary. However, you should always talk to me prior to dropping. We maybe able to work out a plan that will assist you in completing the course. Should dropping the course be the best solution, you must initiate the process to drop the course by going to the Student Services Center and filing out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. The last day to drop a class with an
automatic grade of “W” during this term is 11/4.

XI. 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.

XII. Disability Services
Texas A&M University – Corpus Christi complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. If you suspect that you may have a disability (physical impairment, learning disability, psychiatric disability, etc.), please contact the Services for Students with Disabilities Office, located in Driftwood 101, at 825-5816. If you need disability accommodations in this class, please see me as soon as possible.

XIII. 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 Tule: 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 website 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.