I. COURSE INFORMATION

Instructor: Faydale E Curtice  
Phone: 361-825-3754  
Office: CI 308  
E-mail: Faydale.curtice@tamucc.edu  
Office hours: Tuesday and Thursday 8:15 – 9:00pm or by appointment

II. COURSE DESCRIPTION

The course is designed for students needing a review of mathematics for Texas state standards 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 Number concepts, computations, elementary algebra, geometry and mathematical reasoning. You will not receive college level credit for this course.

III. PREREQUISITES

Placement into this course

IV. TEXT AND OTHER SUPPLIES REQUIRED

Developmental Math (loose) Pkg. MyLabsPlus (Both are sold in the book store. Graphing Calculator (TI-83 or TI-84 or TI-89 Titanium) , pencil, paper, spiral notebook. No Cell Phones or lap tops.

V. STUDENT LEARNING OUTCOMES

By the end of the semester, the student will be able to show mastery for the following by passing with a 70% correct on skill based tests and/or final exam:

1. Perform basic operations with numbers and expressions and understand the properties related to real numbers
2. Round whole numbers and decimal numbers to a given place-value and convert between decimal numbers, fractions and percents
3. Evaluate formulas containing numbers and variables using order of operation
4. Use function notation and identify domain and range given a relation or function.
5. Simplify algebraic expressions containing monomial, binomial, or polynomial expressions, rational and radical expressions and complex fractions.
6. Use properties of exponents to interpret and simplify integral and rational exponents
7. Convert between scientific and standard notation and use scientific notation in solving word problems
8. Factor numbers and algebraic expressions (radicals, monomials, binomials and polynomials) includes finding a GCF or LCM
9. Perform basic operations (add, subtract, multiply and divide) with monomials, binomials, polynomials, and rational & radical expressions including rationalizing denominators
10. Solve equations and inequalities of various types (linear, absolute value, rational, radical, and quadratic as well as linear systems) and report in various ways including graphs, sets, or interval notation.
11. Translate word problems and write models in the form of equations or inequalities
12. Solve word problems (percent, consecutive number, work, age, uniform motion, mixture, geometric, and financial) using a variety of techniques.
13. Determine the measure of angles or sides for plane figures and relate parallel line properties and characteristics of plane figures to similar and congruent figures
14. Convert metric and customary measurement (length, mass and capacity)
15. Read charts and graphs and use the information to solve problems
16. Name and graph points in a plane or number line and name x- & y-intercepts for linear or nonlinear graphs or equations (including the vertex of a parabola)
17. Recognize, write equations and inequalities for vertical, horizontal and sloped lines and graph
18. Find the slope of a line give two points, a graph or an equation for the line.
19. Write equations and inequalities given a graph, two points or the slope and a point using point-slope, slope-intercept or standard form.
20. Compare slopes and write equations with parallel or perpendicular lines given an equation and a point or a slope and a point

VI. INSTRUCTIONAL METHODS AND ACTIVITIES

Students will be shown models of solutions and will work independently and in groups to demonstrate mastery. Students will show mastery by passing skill tests and/or the final exam with a 70% or better.

VII. EVALUATION AND GRADE ASSIGNMENT

<table>
<thead>
<tr>
<th>Class Participation/ Attendance</th>
<th>20 %</th>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>20 %</td>
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<tr>
<td>Quizzes</td>
<td>20 %</td>
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<tr>
<td>Final</td>
<td>40 %</td>
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Grading scale
- DA = 90-100
- DB = 80-89
- DC = 70-79
- IP = 69 or below
- F will only be given for those who make no effort to pass or SA will be given if a student quits coming to class.
VIII. CLASS POLICIES

Attendance:
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 or if you come to class just to sign in and leave with more than 30 minutes remaining you are considered absent.
   - All absences are considered unexcused unless a written excuse or documentation is presented.
   - Appeals are possible only if documentation (doctor notes, receipts etc) in written form is made available to me in a timely manner and accepted.

Responsibility:
1. You are responsible for obtaining required supplies and bringing them to class.
2. You are responsible for organizing your time so that you can study 1 hour each day outside of class.
3. You are responsible for any work missed if absent.
4. You are responsible for seeking help in the TLC Math Lab, with the student assistant provided to our class or by forming your own student group if you are having difficulty with a skill or concept. I can help you during office hours.
5. You are expected to conduct yourself in accordance with the highest standards of academic honesty. Copying homework from another student or from the solutions manual or having someone do your assignments online is considered academic dishonesty—Don’t Do It.
6. When turning work in for a grade, you attest that the work is your own work. The policies about academic dishonesty outlined in the Undergraduate Catalog or Student Handbook apply: academic dishonesty results in zero points on the test or assignment and the incident will be reported to the appropriate authorities, which may impose further sanctions.

Important Dates:
Last day to drop a class: November 2, Friday.
Holidays: September 3, Monday Labor Day Holiday, November 22-23, Thursday- Friday Thanksgiving Holidays.

Final exam: Thursday December 6 at 7:15-9:45
Disability Statement:
“The American 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 accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Office at (361)825-5816 or visit the office in Driftwood 101. It is the responsibility of the students to notify this office, which will determine appropriate accommodations and outline them in a notification letter. You will then be asked to give this letter to your instructors because without it no one can be treated differently from the others.

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.

Grade Appeal 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.