I. COURSE INFORMATION

Instructor: Faydale E Curtice  
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Office:  
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Office hours: Tuesday and Thursday 4:30-5:30

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 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

Successful completion of Math 0398 or 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. (It is understood that all objectives from the prerequisite course, Math 0398, are mastered prior to entering Math 0399 and that students are responsible for knowing that material.)

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 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 or by appointment.
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 4:30 – 7:00

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](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.