II. COURSE DESCRIPTION
   The course is designed for students needing an extensive review of mathematics to prepare them for state & campus standards and/or higher mathematics courses. The course covers number concepts, computation, elementary algebra, geometry, and mathematical reasoning. This course does not count towards graduation.

III. PREREQUISITES
   There is no prerequisite for this course. Registration for this course will be determined by Placement testing or test scores.

IV. TEXT AND OTHER SUPPLIES REQUIRED
   The textbook for the class is Developmental Mathematics by Elayn Martin-Gay, plus the accompanying software, My Math Lab access code (Course ID is friedrichs)
   In addition, you will need a pencil with eraser, graph paper (1/4"), notebook paper, a folder or binder and a small ruler.

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 tests and quizzes:
   1. Perform basic operations with real numbers (whole & decimal numbers, fractions, mixed numbers, integers and real numbers)
   2. Round whole numbers, decimal numbers and fractions to a given place value
   3. Convert between decimal numbers, fractions and percents
   4. Evaluate expressions using order of operation (using whole numbers, decimal numbers, fractions, integers,& real numbers)
   5. Factor numbers and determine a GCF, an LCM, or evaluate square roots
   6. Solve equations using the addition and multiplication principles together (includes parenthesis)
   7. Solve inequalities using the addition and multiplication principles then report the answer as a set, an interval or graphed on a line
8. Solve word problems using a variety of techniques (includes % problems, age problems, geometric problems)
9. Evaluate formulas for area, perimeter, circumference or volume for triangles, rectangles, squares, parallelograms, circles, composite figures, pyramids, prisms, spheres and cylinders.
10. Determine angles or sides for similar and congruent figures and given angles or sides determine if figures are similar or congruent
11. Determine interior angles, exterior angles and lengths of sides for plane or composite figures
12. Relate the properties of real numbers to algebraic expressions (includes commutative, associative, inverse, ones-, zero-, distributive and identity properties)
13. Convert metric and customary measurement (length, mass and capacity)
14. Convert between scientific and standard notation and use scientific notation in problem solving
15. Simplify algebraic expressions (monomials, binomials & polynomials) using addition, subtraction, multiplication or division
16. Read charts and graphs
17. Name and graph points in a plane
18. Graph a line from an equation by determining two points
19. Recognize and graph vertical and Horizontal lines
20. Factor polynomials to find the GCF

VI. INSTRUCTIONAL METHODS AND ACTIVITIES
Students will work independently to demonstrate mastery through testing at 85% or better on quizzes and tests. Students will be given group assignments that will be designed to help integrate mind sets and explorations for various methods of learning. Students will use the My Math Lab software to remediate weak areas as designated by pretest assessments, then work on the individualized study plan and course work as needed.

VII. EVALUATION AND GRADE ASSIGNMENT

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15%</td>
<td>Homework and Quizzes</td>
</tr>
<tr>
<td>5%</td>
<td>Participation</td>
</tr>
<tr>
<td>50%</td>
<td>Exams</td>
</tr>
<tr>
<td>30%</td>
<td>Participation in class and group assignments</td>
</tr>
</tbody>
</table>

**Total points = 100%**

Grading scale:
- A = 90 or more
- B = 89.9 to 80
- C = 79.9 to 70
- IP = 69 or below

VIII. Tentative Schedule
(To be given later)

IX. CLASS POLICIES

Attendance:
1. I expect each student to attend all classes. Attendance is mandatory.
2. If you are more than 15 minutes tardy or if you leave class more than 15 minutes early for any reason you will be
counted absent. Please save absences for emergencies.

3. If you are found to be working on another subject within our class time you will be counted as absent.

Responsibility:
- I expect each student to keep up with his/her assignments and grades. This will include monitoring of own progress.
- I will expect each student to email me a summary of their progress daily at first and then weekly after mid-semester.

3. Quizzes and other work can always be made up, if done so in a timely manner. Progress is the keyword.
- It is your responsibility to complete all necessary work prior to testing and seek help if needed to master any difficult skills.

Important Dates:
- Labor Day holiday: Monday September 5
- Thanksgiving holiday: Thursday & Friday November 24 & 25
- Last day to drop course: Friday November 4
- Last day to withdraw from University: Monday December 5
- Reading Day: Wednesday December 7

X. LEGAL STATEMENTS

Students with Disabilities:
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.

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.