TEXAS A&M UNIVERSITY – CORPUS CHRISTI
DEPARTMENT OF MATHEMATICS & STATISTICS
MATH 0398
INTRODUCTION TO ALGEBRA
Syllabus Spring 2013 – Subject to Change

I. Course Information
Meeting Time & Place: MWF 1:00 PM – 1:50 PM; CI109
Instructor: Sheri Asbury, MS
Office: CI357
Email: sheri.asbury@tamucc.edu
Office Hours: To Be Announced

II. Course Description
This course is designed for students needing an extensive review of mathematics to prepare them for state and 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 Deleoppmental 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. Graphing calculators will not be permitted.

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. Performing basic operations with numbers (whole numbers, decimal numbers, fractions, mixed numbers, integers and real numbers)
2. Round whole numbers and decimal numbers to a given place-value
3. Convert between decimal numbers, fractions and percents
4. Evaluate expressions containing real numbers or variables using order of operations
5. Factor numbers and algebraic expressions; determine a GCF and LCM
6. Solve equations using the addition and multiplication principles together (includes equations containing grouping symbols or multiple terms)
7. Solve inequalities using the addition and multiplication principles then report the answer as a set or graphed on a line
8. Solve word problems using a variety of techniques (includes percents, age problems and geometric concepts)
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 and relate parallel lines properties to similar and congruent figures
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 (zero, ones, commutative, associative, inverse, 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 and polynomials) using addition, subtraction, multiplication and division
16. Read charts and graphs
17. Name and graph points in a plane or on a number line
18. Graph a line from an equation by determining two points
19. Recognize and graph vertical and horizontal lines
20. Give the slope of a line given two points or a graph (include finding slope of horizontal and vertical lines)
21. Determine if a point is a solution given the equation of a line

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>8/24</td>
<td>Introduction/1.5/1.9</td>
</tr>
<tr>
<td>8/26</td>
<td>1.5/1.9 Rounding &amp; Order of Operations **More</td>
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<tr>
<td>8/29</td>
<td>2.1/2.2 Fractions &amp; Prime Factorization</td>
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<tr>
<td>8/31</td>
<td>2.3 Equivalent Fractions &amp; Simplifying Fractions</td>
</tr>
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<td>9/2</td>
<td>2.4/2.5 Multiplying &amp; Dividing Fractions</td>
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<tr>
<td>9/5</td>
<td>Labor Day Holiday</td>
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<tr>
<td>9/7</td>
<td>Quiz #1</td>
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<tr>
<td>9/9</td>
<td>3.1/3.2/3.3 Adding and Subtracting Fractions &amp; LCM – debrief Quiz #1</td>
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<tr>
<td>9/12</td>
<td>3.1/3.2/3.3 Adding and Subtracting Fractions &amp; LCM **More</td>
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<td>9/14</td>
<td>3.5/3.6 Evaluating Fractions &amp; Problem Solving</td>
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<td>9/16</td>
<td>4.1/4.2/4.3 Decimals, Rounding, Adding &amp; Subtracting</td>
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<tr>
<td>9/19</td>
<td>4.4/4.5/4.6 Decimals, Multiplying, Dividing &amp; Order of Operations</td>
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<tr>
<td>9/21</td>
<td>Quiz #2</td>
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<tr>
<td>9/23</td>
<td>5.1/5.2/5.6 Rates, Percents &amp; Applications – debrief Quiz #2</td>
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<tr>
<td>9/26</td>
<td>5.6/5.7/5.8 Percent Applications &amp; Simple Interest</td>
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<tr>
<td>9/28</td>
<td>6.1/6.3 Angles &amp; Perimeter</td>
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<tr>
<td>9/30</td>
<td>6.4/6.5 Area &amp; Volume</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.

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 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 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.