Texas A&M University – Corpus Christi
Department of Mathematics & Statistics
Developmental Mathematics – Math0398.0X7/0399.007
Spring Semester – 2013

I. COURSE INFORMATION

Meeting Time and Place:  MWF 12-12:50, CI 223
Instructor:  M. Venzon
E-MAIL: Marcia.venzon@tamucc.edu
Office Address: CI 367
Phone: 825-2844
Office hours: MWF 9:50-11:00(in CS 107), T 3:15-4:45 (in office)

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, various algebra topics, geometry, and mathematical reasoning. This course does not count towards credit for graduation.

III. PREREQUISITES

Placement into this course.

IV. TEXT AND OTHER SUPPLIES REQUIRED

The textbook for the class is Developmental Mathematics, by Elayn Martin-Gay (which is optional) and MyMathLabsPlus student access code (required on the first day of class). You will need to purchase it separately at the bookstore or log on to www.tamucc.mylabsplus.com and purchase it online the first day of class (Enter Member Code Fall12 at checkout for 15% discount).

In addition, you will need a pencil with eraser, A spiral notebook, headphones and a four-function calculator or graphing calculator (no cell phones).

V. STUDENT LEARNING OUTCOMES

By the end of the semester, the student will be able to show mastery for the following by passing post tests:

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

This course is a self-paced developmental math course designed to use computer assisted instruction (MY Labs Plus) to remediate math deficiencies for students who lack college readiness skills. Students will first take a pretest for a module. The student will then do the homework (100% score) and take the practice and posttests. Students are encouraged to watch any assigned media and work with the tutors and instructor during and outside of class to remediate problem areas. When the homework is completed, the student must take the practice test to evaluate if there is need for more instruction (made less than 85%). The student will then work in the study plan to gain needed skills. Finally, the student will take the post test for that module on completion of remediation. These post tests must be taken without notes, use of the text or assistance from tutors. Students must score at least a 65 on each posttest and have a 70 average to move on to the next module. Attendance will count 10% of your grade.
VII. EVALUATION AND GRADE ASSIGNMENT

80%  Post test grades (always taken at the college and always proctored)
10%  Attendance
10%  Participation includes homework, media, and notebook grades

Students must complete modules 1-6 to receive a passing grade for M0398 otherwise a grade of DIP (Developmental In Progress) will be given.

Grading scale:  DA = 90% or more  DB = 80% - 89%  DC = 69.5% - 79%
The D in front of the grade stands for Developmental A, B or C.

If a student in Math0399 completes Modules 7-12 with a passing grade, they will be placed in College algebra and no longer be THEA liable. If a student stops attending before the drop date, a grade of SA (Stopped Attending) will be given and those reports sent to the financial aid office.

VIII. TENTATIVE COURSE SCHEDULE
Tentative schedule for receiving a grade for M0398 and being placed in Math 0399 next term.

<table>
<thead>
<tr>
<th>Module 1</th>
<th>Weeks 1-2</th>
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<tbody>
<tr>
<td>Module 2</td>
<td>Weeks 3-4</td>
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<tr>
<td>Module 3</td>
<td>Weeks 5-6</td>
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<td>Module 4</td>
<td>Weeks 7-8</td>
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<td>Module 5</td>
<td>Weeks 9-10</td>
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<tr>
<td>Module 6</td>
<td>Weeks 11-13</td>
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Tentative schedule for receiving a grade for M0399 and being placed in college algebra next term.

<table>
<thead>
<tr>
<th>Module 7</th>
<th>Weeks 1-2</th>
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<tbody>
<tr>
<td>Module 8</td>
<td>Weeks 3-4</td>
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<tr>
<td>Module 9</td>
<td>Weeks 5-6</td>
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<tr>
<td>Modules 10</td>
<td>Weeks 7-8</td>
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<td>Module 11</td>
<td>Weeks 9-10</td>
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<tr>
<td>Module 12</td>
<td>Weeks 11-13</td>
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IX. CLASS POLICIES

Attendance:
1. I expect each student to attend all classes. Attendance is mandatory. Please save absences for emergencies and illness.
2. If you are more than 15 minutes tardy or if you leave more than 5 minutes before the end of class you are considered absent.
3. All absences are considered unexcused unless a written excuse or documentation is made available to me in a timely manner and accepted.
4. If you must be absent please email me through www.tamucc.mylabsplus.com or my school email marcia.venzon@tamucc.edu.

Participation:
1. Participation is required in homework, study plan and written work. This includes notes taken from power points or videos and work on My Labs Plus.
2. Students found to be working on material other than mathematics during class will be given a zero for that day’s participation. This will include those using class time for personal business like emails or texting. Cell phones will be turned off and put away during class.
3. Staying on task and completing an appropriate amount of work will be noted each day by the instructor and/or tutors. A participation grade will be entered weekly for each student based on their individual work and effort. My Labs Plus records any skills completed so that you may keep a daily record of your progress.

Academic Honesty:
1. 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.
2. Students caught cheating on tests are subject to dismissal from the class and possibly the university.
3. Students caught using notes or other aids on tests will receive a zero for that test that would be part of their average for the course.

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 at least 1 hour each day outside of class and completing an appropriate amount of work during class.
3. You are responsible for any assigned homework, writings or goal setting.
4. You are responsible for your actions during class and for keeping the learning environment quiet so others can complete their work. Keep personal conversations to a minimum. Keep voices low and unobtrusive.
5. You are responsible for your own learning, therefore, you should come prepared with questions you need answered. Keep up with what you need to do and set appropriate goals for yourself.
6. Work outside of class on pretest, homework, and practice tests. Posttests must be taken in class with instructor present.

X. Notice to 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.

XI. 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.

XII. Important Dates

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<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Wednesday, January 23rd</td>
<td>Classes begin</td>
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<tr>
<td>Friday, April 12th</td>
<td>Last day to drop a class</td>
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<tr>
<td>March 11-15th</td>
<td>Spring Break</td>
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<tr>
<td>Tuesday May 7th</td>
<td>Last day of classes</td>
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