I. COURSE INFORMATION

Meeting Time and Place:  Monday, Wednesday & Friday 11-11:50 pm CCH 206
Instructor:  George Tintera
E-MAIL: george.tintera@tamucc.edu
Office Address: CI 303
Office Hours:  TBA
Phone: 825-6028

NOTE:  This is a cross-listed offering with students from the above sections all meeting in the same room at the same time.  See below how students from different sections have corresponding responsibilities and how they will be expected to meet them.

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

There is no prerequisite for MATH 0398.  The prerequisite for MATH 0399 is MATH 0398 or scores as indicated: SAT (380+), ACT (16+), or THEA (206+).

IV. TEXT AND OTHER SUPPLIES REQUIRED

The textbook for the class is Developmental Mathematics, by Elayn Martin-Gay, 2nd edition.  (which is optional) and MyLabsPlus student access code (required on day 1).  In addition, you will need a pencil with eraser, notebook paper, a folder or binder and a four-function calculator.

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 85% correct on pretests and 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 math lab) to remediate math deficiencies for students who lack college readiness skills. It has the advantage of being able to cover two semesters of material in only one semester. It will promote through discussion and study college readiness habits such as: persistence, accuracy, questioning strategies and flexible thinking.

Students will first take a pretest for a module. If the student scores at least an 85%, then they may attempt the pretest of the next module. If not, then the student will work independently on MyLabsPlus on learning materials and with the tutors and instructor during and outside of class to remediate any problem areas. When ready, the student may take the practice test to evaluate if there is need for more
VII. EVALUATION AND GRADE ASSIGNMENT

80% Post test grades (If student makes an 85% or better on a pretest of module then that will substitute for the post test grade)
10% Homework
10% Participation and portfolio grades

Students must complete 6 or more modules to receive a passing grade for MATH 0398 otherwise a grade of IP will be given. Students must complete modules 7 to 12 to complete to receive a passing grade in MATH 0399.

Grading scale:  A = 90% or more  B = 80% - 89%  C = 70% - 79%

Students completing through the 12th module with a passing grade, they will be placed in College algebra and no longer be THEA liable.

VIII. TENTATIVE COURSE SCHEDULE

Tentative schedule to receive a grade for Math 0398 only and moving on to M0399 in spring term.

<table>
<thead>
<tr>
<th>Modules 1, 2</th>
<th>Weeks 1-5</th>
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<tbody>
<tr>
<td>Modules 3</td>
<td>Weeks 6-8</td>
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<tr>
<td>Module 4</td>
<td>Weeks 9-10</td>
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<tr>
<td>Module 5</td>
<td>Weeks 11-12</td>
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<tr>
<td>Modules 6 &amp; at least begin 7</td>
<td>Weeks 13-15</td>
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Tentative schedule for receiving a grade for M0398 and being placed in college algebra next term.

<table>
<thead>
<tr>
<th>Modules 1,2</th>
<th>Weeks 1-3</th>
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<tbody>
<tr>
<td>Modules 3 &amp; 4</td>
<td>Weeks 4-5</td>
</tr>
<tr>
<td>Modules 5 &amp; 6</td>
<td>Weeks 6-7</td>
</tr>
<tr>
<td>Modules 7 &amp; 8</td>
<td>Weeks 8-9</td>
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<tr>
<td>Modules 9 &amp; 10</td>
<td>Weeks 10-12</td>
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<tr>
<td>Module 11 &amp; 12</td>
<td>Weeks 13-15</td>
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Tentative schedule for MATH 0399 students to receive a grade for MATH 0399 and being placed in college algebra next term.

<table>
<thead>
<tr>
<th>Review 1</th>
<th>Weeks 1-2</th>
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</thead>
<tbody>
<tr>
<td>Review 2</td>
<td>Weeks 2-3</td>
</tr>
<tr>
<td>Review 3</td>
<td>Weeks 3-4</td>
</tr>
<tr>
<td>Modules 7 &amp; 8</td>
<td>Weeks 5-7</td>
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<tr>
<td>Modules 9 &amp; 10</td>
<td>Weeks 8-11</td>
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<tr>
<td>Module 11 &amp; 12</td>
<td>Weeks 12-15</td>
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IX. CLASS POLICIES

Attendance:
1. I expect each student to attend all classes. Attendance is mandatory. Contact me as soon as you know you have to miss class or must be late/leave early for reasons beyond your control. Email is best.
2. All absences are considered unexcused unless a written excuse or documentation is made available to me in a timely manner and accepted.

Participation:
1. Participation is required in discussions and written work. This includes notes taken from power points or videos and work in the study plan where needed. Notes will be handed in for credit after passing the post test of each module where the study plan has been activated.
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.
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 daily for each student based on their individual work and effort. MyMathLab records any skills completed so that you may keep a daily record of your progress.
4. Students will report on their own progress and set goals in written form every Friday. This will include comments about problem areas and skills mastered during that week.

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. Students caught cheating on tests are subject to dismissal from the class and possibly the university. 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:
- You are responsible for obtaining required supplies and bringing them to class.
- At the start of class, your computer should be on, you logged on and a browser open so you can start work. No off-topic computer use.
- 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.
- 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.
- 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.
• Turn off cell phones before the start of class. The only electronic devices allowed are MP-3 players and simple calculators.

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.