I Course Information

- Meeting Time & Place: MWF 1:00-1:50 pm CI 106
- Instructor: Jennifer Compton Nemec
- Office: CI 356
- Email: Jennifer.Nemec@tamucc.edu
- Office Hours: TBA

II Course Description

This 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 for the Course

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


- MyLabsPlus (tamucc.mylabsplus.com): You also need MyLabsPlus (MLP) access. If you buy the book at the bookstore, MLP will come bundled with the book, or you can buy it as a standalone access card through the bookstore, or you can get it online with a credit card when you first log in.

- A scientific calculator is required for this class. No graphing calculator is allowed.
V Course Objectives

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. Perform 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 operation real.
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, 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 line 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 & 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 give 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

The instructional method is a combination of lectures and student activities.
VII Evaluation and Grade Assignment

The weights of the different parts of the course towards the final grade are:

<table>
<thead>
<tr>
<th>Grade Breakdown</th>
<th>Grading Scale</th>
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<tbody>
<tr>
<td>Attendance 5%</td>
<td>90-100%</td>
</tr>
<tr>
<td>Homework 25%</td>
<td>80-89.99%</td>
</tr>
<tr>
<td>Quizzes 20%</td>
<td>70-79.99%</td>
</tr>
<tr>
<td>Exams 30%</td>
<td>0-69.99%</td>
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<tr>
<td>Final Exam 20%</td>
<td>IP</td>
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</tbody>
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A grade of F will only be given for those who make no effort to pass.

Attendance (5%) – Students are allowed two unexcused absences. After two unexcused absences, each unexcused absence reduces your score by 0.5% up to a maximum of 5%. Although this may not seem like a lot it can be the difference between an A/B or pass/fail.

Homework (25%) – Homework will be assigned every Thursday. It will be assigned through MyLabsPlus. Homework will be available for a week. After one week, homework will be still available for late assignments and 5% deduction per day will be applied. At the end of the semester the lowest homework grade get dropped.

Quizzes (20%) – The quizzes will be given in class, pencil and paper. They are made to insure that you are doing your homework and are properly prepared for the exams.

Exams (2 at 15% each) – There will be two tests, which will be given in class, pencil and paper. Test dates are listed on the course schedule.

Final Exam (20%) – The comprehensive final exam will be held on Monday, May 7 at 11:00-1:30 pm. Attendance is mandatory.
VIII Tentative Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.2, 1.3</td>
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<tr>
<td>2</td>
<td>1.4, 1.5&lt;br&gt;1.6, 1.7</td>
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<tr>
<td>3</td>
<td>1.7, 1.8&lt;br&gt;Quiz #1</td>
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<tr>
<td>4</td>
<td>1.9, 2.1&lt;br&gt;2.2, 2.3</td>
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<tr>
<td>5</td>
<td>2.4, 2.5&lt;br&gt;Quiz #2</td>
</tr>
<tr>
<td>6</td>
<td>3.1, 3.2&lt;br&gt;3.3, 3.4</td>
</tr>
<tr>
<td>7</td>
<td>3.5, Review for Exam #1&lt;br&gt;Exam #1</td>
</tr>
<tr>
<td>8</td>
<td>3.6, 4.1&lt;br&gt;4.2, 4.3</td>
</tr>
<tr>
<td>9</td>
<td>4.4, 4.5, 4.6&lt;br&gt;Quiz #3</td>
</tr>
<tr>
<td>10</td>
<td>Spring Break!!</td>
</tr>
<tr>
<td>11</td>
<td>5.1, 5.2&lt;br&gt;Quiz #4</td>
</tr>
<tr>
<td>12</td>
<td>5.3, 5.4&lt;br&gt;5.5, 5.6</td>
</tr>
<tr>
<td>13</td>
<td>5.7, Review for Exam #2&lt;br&gt;Exam #2</td>
</tr>
<tr>
<td>14</td>
<td>5.8, 6.1&lt;br&gt;6.2, 6.3</td>
</tr>
<tr>
<td>15</td>
<td>6.4, 6.5&lt;br&gt;6.6, 6.7</td>
</tr>
<tr>
<td>16</td>
<td>Review for Final Exam</td>
</tr>
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IX Class Policies

- This class is run for the mathematical development of all participants. All students must accept responsibility for participating and consequences of not participating.

- Attendance will be taken at the end of class every day. Failure to sign in will result in an absence for the day.

- Please turn off phones and electronic devices before coming to class.

- All absences from assessments and exams will be considered unexcused unless they are documented in advance as excusable with the instructor or within 24 hours of the exam in the case of emergencies. No credit will be awarded for unexcuses absences from assessments.
Help is available from CASA in the Glasscock Memorial Center, your classmates, as well as my office hours. Wherever you get help, please do not wait until the last minute.

**DROPPING A CLASS:** I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Friday, March 30, is the last day to drop a class with an automatic grade of “W” this term.

If you miss the date of the final exam you will receive a **ZERO**. There are no make-ups for the final exam. **PLAN AHEAD!!!**

**X 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.

**XI Disability Accomodation**

The Americans 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 accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call or visit Disability Services at (361) 825-5816 in Driftwood 101. If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361)825-5816.

**XII Classroom/Professional Behavior**

Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.
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 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.