Term: (Fall 2019) 8-Week Course: Session1
Course: DMAT-0305-47003
Course Dates: 08/26/2019 - 10/16/2019
Class Location: C-105  MW 09:30AM – 12:20PM

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Robert Edwards</th>
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<tbody>
<tr>
<td>Phone:</td>
<td>972-860-7108</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:robertedwards@dcccd.edu">robertedwards@dcccd.edu</a></td>
</tr>
<tr>
<td>Office &amp; Office Hours:</td>
<td>C-236</td>
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STEM Division: S-Building, Room 210 | 972-860-7297

Course Drop Date: October 3, 2019

Disclaimer: The instructor reserves the right to amend this syllabus as necessary.

Institutional Policies: Eastfield College Institutional Policies
(https://www.eastfieldcollege.edu/au/fastfacts/legal/pages/policies-for-syllabi.aspx)

Developmental Mathematics
Prerequisite Required: An appropriate assessment test score.
Course Description: The course supports students in developing skills, strategies, and reasoning needed to succeed in mathematics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning; quantitative relationships; mathematical models; and problem solving. (3 Lec.)

Coordinating Board Academic Approval Number 3201045119

STUDENT LEARNING OUTCOMES
Upon successful completion of this course, students will:
1. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.
2. Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.
3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.
4. Apply algebraic reasoning to manipulate expressions and equations to solve real world problems.
5. Use graphs, tables, and technology to analyze, interpret, and compare data sets.
6. Construct and use mathematical models in verbal, algebraic, graphical, and tabular form to solve problems from a variety of contexts and to make predictions and decisions.

COURSE MATERIALS
Contact your instructor to find out what course materials are required.
Calculators are allowed in this course.
Exams and Assignments

Review of Real Numbers – Week 1 and 2
§1.1 - Tips for Success in Mathematics
§1.2 - Symbols and Sets of Numbers
§1.3 - Fractions and Mixed Numbers
§1.4 - Exponents, Order of Operation, Variable Expressions, and Equations
§1.5 - Adding Real Numbers
§1.6 - Subtracting Real Numbers
§1.7 - Multiplying and Dividing Real Numbers
§1.8 - Properties of Real Numbers

Solving Systems of Linear Equations Week - 6
§4.1 - Solving Systems of Linear Equations by Graphing
§4.2 - Solving Systems of Linear Equations by Substitution
§4.3 - Solving Systems of Linear Equations by Addition/Elimination
§4.5 - Systems of Linear Equations and Problem Solving

Equations and Problem Solving – Week 3
§2.1 - Simplifying Algebraic Expressions
§2.2 - The Addition and Multiplication Properties of Equality
§2.3 - Solving Linear Equations
§2.4 - An Introduction to Problem Solving
§2.5 - Formulas and Problem Solving
§2.8 - Solving Linear Inequalities

Exponents and Polynomials Week - 7
§5.1 - Exponents
§5.2 - Polynomial Functions and Adding and Subtracting Polynomials
§5.3 - Multiplying Polynomials
§5.4 - Special Products
§5.5 - Negative Exponents and Scientific Notation
§5.6 - Dividing Polynomials

Graphing - Week 4 & 5
§3.1 - Reading Graphs and the rectangular Coordinate System
§3.2 - Graphing Linear Equations
§3.3 - Intercepts
§3.4 - Slope and Rate of Change
§3.5 - Equations of Lines

Week 8 – Review and Final Exam

GRADING RATIONALE

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90 – 100 %</td>
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<tr>
<td>B</td>
<td>80 – 89 %</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79 %</td>
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<tr>
<td>E or F</td>
<td>0 – 69 %</td>
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GRADING POLICY

Your grade will be determined as follows:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>10%</td>
<td>Attendance &amp; Participation</td>
</tr>
<tr>
<td>25%</td>
<td>Homework</td>
</tr>
<tr>
<td>40%</td>
<td>Exams</td>
</tr>
<tr>
<td>25%</td>
<td>Final Exam</td>
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<tr>
<td>100%</td>
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HOMEWORK: The student is encouraged to complete all homework assignments. At the close of each lecture, the instructor will specify which homework sets are due for the next class period. Each problem should be neatly copied and clearly worked through. Identify each assignment by chapter and exercise set number. The first page should indicate which sections are attached. Multiple pages should be stapled in the upper left-hand corner and turned in at the beginning of each class period. Please indicate your row number beside your name. Homework may also be submitted using MyMathLab.
FINAL EXAM

A comprehensive, departmental final examination, which will represent at least 25% of the class grade, will be administered in all Developmental Math classes.

"E" GRADE OPTION
Your instructor has the option to award a grade of "E" provided certain conditions are met. The "E" is a grade that indicates that the student met all requirements for attendance and participation but could not achieve a "C" or higher. It does not affect the grade point average. All THREE of the following conditions must be met in the current semester:

1) Consecutive class hours absent are less than six hours, and
2) Total class hours absent are less than nine hours,
3) Course participation has been productive and non-disruptive, all assignments are completed and the grade earned is below C.

Even if you meet conditions 1, 2, and 3, your instructor is not obligated to give you an "E" grade.

ATTENDANCE POLICY
(2014-2015, Eastfield College, Dallas County Community Colleges Catalog)
You are expected to attend regularly all classes in which you enroll. You have the responsibility to attend class and to consult with the instructor when an absence occurs. Instructors are responsible for describing attendance policies and procedures to you. If you are unable to complete a course (or courses) in which you are enrolled, it is your responsibility to withdraw from the course by the appropriate date. If you do not withdraw, you will receive a performance grade, usually a grade of "F".

Next, you need to copy/paste/type your required syllabus elements in this area.
Below is a checklist to help ensure you don’t miss anything:

Key Semester Dates:

Monday, August 26, 2019 Classes Begin
Saturday August 31, 2019 Certification Day
Monday, September 2, 2019 Labor Day Holiday
Thursday, October 3, 2019 Last Day to Withdraw*
Wednesday, October 16, Final Exam