INSTRUCTOR: Dorothy Keylon
E-MAIL: DorothyKeylon@dcccd.edu

E-MAIL POLICY: I will reply to emails within 24-48 hours during weekdays. There is limited availability on weekends and holidays. Please include “DMAT” in the subject line of your email.

INSTRUCTOR CONTACT INFORMATION
You may contact me by email. Please keep in mind that it is against the law (FERPA) for me to discuss grades with you via phone or email.

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.

PREREQUISITE
An appropriate assessment test score or concurrent enrollment in BASM 0053.

COURSE MATERIALS
- **REQUIRED:** MyMathLab access code
  - Even if you use the 14 days temporary access given by MML, you are still required to purchase the code.
  - The MML access code will provide access to the website where the homework, quizzes, and modular tests will be completed for the course. The MML website includes an electronic copy of the text, video instruction, and many other helpful features.
  - See “MML Registration Information” in eCampus for Course ID needed to register for MML.
- ISBN: 9781256484417 (MML access code ONLY)
- ISBN: 9780134196176 (textbook only)
- Calculators are allowed in this course. The TI-89, TI-92 or TI-Nspire graphing calculators are NOT allowed on any test.
- **REQUIRED:** Working computer and daily internet access.

Microsoft Windows 7 and 8 users should use one of the following browsers with MyMathLab courses-- Chrome, Firefox or Internet Explorer 9 and 10. For other system requirements go to [http://www.pearsonmylabandmastering.com/northamerica/system-requirements/](http://www.pearsonmylabandmastering.com/northamerica/system-requirements/)

GRADING RATIONALE

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 – 100 %</td>
</tr>
<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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</table>
GRADING POLICY
Your grade will be determined as follow:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>25%</td>
<td>Homework and Quizzes</td>
</tr>
<tr>
<td>25%</td>
<td>Module Tests (5 total)</td>
</tr>
<tr>
<td>25%</td>
<td>Proctored MID-TERM EXAM</td>
</tr>
<tr>
<td>25%</td>
<td>Proctored Comprehensive FINAL EXAM</td>
</tr>
<tr>
<td>100%</td>
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</tbody>
</table>

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. At the end of this course, if you have taken your midterm exam and your final exam grade is higher, the midterm exam grade will be replaced with the grade you made on your final exam.

“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 participation but could not achieve a "C" or higher. It does not affect the grade point average. All the following conditions must be met in the current semester:
1) Student must be register in MyMathLab prior to the third class day.
2) Student must remain actively engaged throughout the entire course.
3) 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.

POLICY ON MISSED TESTS AND ASSIGNMENTS
All assignments have strict deadlines. Due dates can be viewed in MyMathLab. After the deadline for homework and quizzes, you have the opportunity to complete the work with a 10% penalty. If you miss the module test deadline, you still have an opportunity to take a 2nd and 3rd attempt. The last day to complete all online work is Tuesday, October 15, 2019. The midterm and final exams also have strict deadlines which must be met. You only have one chance to take the midterm and final exams. No makeups will be allowed.

POLICY ON PROCTORED EXAMS
You are required to take two proctored exams on campus. Exams will be administered at the Eastfield College Testing Center (room C113) or a prearranged Testing Center (approval needed the first week of class). Go to http://www.eastfieldcollege.edu/testing.asp for more information about testing center hours, policies, procedures, etc. Please be aware that the testing center does not administer tests during the last hour of operation for the day.

ATTENDANCE POLICY
This course is presented via the Internet through an interactive learning system, MyMathLab (MML). One of the advantages of taking a course in this medium is the flexibility of when you go to class. Students with internet access will be able to participate in this course any time of the day or night. Consequently, classroom attendance is not required. However, students are required to remain actively engaged with the course curriculum. Any student that has NOT registered on MyMathLab AND has NOT completed the orientation assignment by August 30, will NOT be certified as having attended this course.

DROP DATE
If a student is unable to complete a course in which he/she is registered, it is the responsibility of the student to withdraw from the course. The last date to drop with a grade of “W” is October 3, 2019.

ADDITIONAL RESOURCES
The Math Tutoring Center provides FREE TUTORING to current Eastfield College students enrolled in a Mathematics or Developmental Mathematics course. Students are encouraged to take advantage of this free resource for additional help in their course work. Please visit the Math Tutoring Center located in the Learning Commons in L200, check eastfieldcollege.edu/tutoring, or call 972-860-7174 for more information.
INSTITUTIONAL POLICY AND SERVICES
Institutional Policies relating to this course can be accessed from the following link:
https://www.eastfieldcollege.edu/syllabipolicies

MYMATHLAB - INSTRUCTIONAL COMPONENTS
This course is divided into modules. The components of each module are described below.

**Step 1:** Video – Video lecture introduces each module section
- Must be accessed before each homework assignment
- Grade omitted from course average
- Can be accessed after due date

**Step 2:** Homework – Consists of problems from each assignment section
- Problem can be repeated until mastered – select “Similar Exercise” after each 3rd incorrect attempt
- All “Help” buttons available
- Must be in “Homework,” not “Review” mode to save progress
- Problems saved individually
- 80% mastery required to proceed to next topic
- Needs to be completed prior to 11:59 PM on the due date
- Can be accessed after due date
- Late problems penalized 10%

**Step 3:** Quiz – Consists of problems that summarize material from each section
- Problem can be repeated until mastered – select “Similar Exercise” after each 3rd incorrect attempt
- No “Help” buttons available
- Must be in “Homework,” not “Review” mode to save progress
- Problems saved individually
- 80% mastery required to proceed to next topic
- Must be completed and submitted once started
- Unlimited time per quiz

**Step 4:** Test Review – Helps prepare students for the chapter test
- Must be accessed before proceeding to the chapter test
- Score omitted from student grades
- Can be accessed after due date

**Step 5:** Module Test – Assesses student’s understanding of module
- Must be accessed as TEST and not Homework/Review prior to starting
- Each test consists of 20 problems
- No “Help” buttons available
- Needs to be completed prior to 11:59 PM on the due date
- Can only be taken 3 times, the highest score is recorded
- Can be accessed after due date

Once you have completed the first 3 modules, you will have a Midterm Exam.
Once you have completed the whole course you will have a Final Exam.

**NOTE:** Allow time for computer/internet problems -- do not wait until the last minute to submit work. This is an online class. You are expected to have a computer and internet access available to you. There are computers on campus, but they are only open when the College is open and only during their hours posted on the door. The website being down or your computer or internet access not working at the last minute is something you should expect. No extensions are given for any reason.

**STRATEGIES TO BE SUCCESSFUL**
To successfully complete this course, **you must be diligent**. Make sure you set aside a period of time each day that you can work on the material, and do not fall behind the schedule found in eCampus. Work **ALL** the assigned homework problems as a minimum, and more if you feel you have not quite mastered the material. If you have a problem, contact me immediately so that you don’t fall behind. **The key to success in this course is doing your work every day!**
TEXAS SUCCESS INITIATIVE (TSI)
The policies and procedures regarding the TSI are made by the Texas Higher Education Coordinating Board, which is the state agency responsible for administering the law. These policies are published by the THECB. On the Eastfield campus, your best sources of information about TSI are:
  1) The Eastfield Advising Center, (972) 860-7106, or
  2) The Eastfield Testing and Assessment Center, (972) 860-7011
The Texas Success Initiative (TSI) is a statewide program designed to ensure that students enrolled in Texas public colleges and universities have the basic academic skills needed to be successful in college-level course work. The TSI requires assessment, remediation (if necessary), and advising of students who attend a public college or university in the state of Texas. The program assesses a student’s basic academic skills in reading, writing, and math. Passing the assessment is a prerequisite for enrollment in many college-level classes such as English 1301/1302, History 1301/1302, Math 1314, etc. Students who do not meet assessment standards may complete prerequisite requirements by taking developmental courses in the deficient area and passing them with a grade of C or higher. In some cases, retesting will also be required. It is up to each student to be aware and informed about requirements that are subject to change. Additional information is available from the TSI Office.

TSI Advice: Achieving college readiness will usually mean completing the prerequisite courses for college level mathematics such as College Algebra. Meeting this standard could mean completing the DMAT sequence from your starting point through DMAT 0310.

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 COVERAGE

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<thead>
<tr>
<th>Review of Real Numbers</th>
<th>Solving Systems of Linear Equations</th>
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<tbody>
<tr>
<td>§1.1 - Tips for Success in Mathematics</td>
<td>§4.1 - Solving Systems of Linear Equations by Graphing</td>
</tr>
<tr>
<td>§1.2 - Symbols and Sets of Numbers</td>
<td>§4.2 - Solving Systems of Linear Equations by Substitution</td>
</tr>
<tr>
<td>§1.3 - Fractions and Mixed Numbers</td>
<td>§4.3 - Solving Systems of Linear Equations by Addition/Elimination</td>
</tr>
<tr>
<td>§1.4 - Exponents, Order of Operation, Variable Expressions, and Equations</td>
<td>§4.5 - Systems of Linear Equations and Problem Solving</td>
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<tr>
<td>§1.5 - Adding Real Numbers</td>
<td>Exponents and Polynomials</td>
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<tr>
<td>§1.6 - Subtracting Real Numbers</td>
<td>§5.1 - Exponents</td>
</tr>
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<td>§1.7 - Multiplying and Dividing Real Numbers</td>
<td>§5.2 - Polynomial Functions and Adding and Subtracting Polynomials</td>
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<td>§1.8 - Properties of Real Numbers</td>
<td>§5.3 - Multiplying Polynomials</td>
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<td>§5.4 - Special Products</td>
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<td>§5.5 - Negative Exponents and Scientific Notation</td>
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<td>§5.6 - Dividing Polynomials</td>
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<thead>
<tr>
<th>Equations and Problem Solving</th>
<th>Factoring Polynomials (OPTIONAL)</th>
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<tbody>
<tr>
<td>§2.1 - Simplifying Algebraic Expressions</td>
<td>§6.1 - Greatest Common Factor and Factoring by Grouping</td>
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<tr>
<td>§2.2 - The Addition and Multiplication Properties of Equality</td>
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<tr>
<td>§2.3 - Solving Linear Equations</td>
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<tr>
<td>§2.4 - An Introduction to Problem Solving</td>
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<tr>
<td>§2.5 - Formulas and Problem Solving</td>
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<tr>
<td>§2.8 - Solving Linear Inequalities</td>
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<tr>
<td>Graphing</td>
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<tr>
<td>§3.1 - Reading Graphs and the rectangular Coordinate System</td>
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<tr>
<td>§3.2 - Graphing Linear Equations</td>
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<tr>
<td>§3.3 - Intercepts</td>
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<td>§3.4 - Slope and Rate of Change</td>
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<tr>
<td>§3.5 - Equations of Lines</td>
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