STEM Division

DMAT 0305-42491, 3 Credit Hours
Developmental Mathematics – Online Course
WinterMester - 2018

INSTRUCTOR: Oraldo “Buddy” Saucedo
OFFICE: N-206
TELEPHONE: (972) 860-7351 – PLEASE DO NOT LEAVE A MESSAGE … EMAIL ME!!
EMAIL: buddysaucedo@dcccd.edu
EMAIL POLICY: Instructor will reply to emails within 24 hours during week days. Not available on Weekends nor Holidays – Weekends Start Noon on Friday & Ends Noon on Monday
OFFICE HOURS: By Appointment Only – Email Me Your Questions

Complete Instructor Schedule: http://schedule.efc.dcccd.edu/select.asp
Department Website: http://www.eastfieldcollege.edu/as/Math/index.asp

INSTRUCTOR CONTACT INFORMATION
My preferred method of contact is by eMail – buddysaucedo@dcccd.edu. Please keep in mind that it is against the law (FERPA) for me to discuss grades with you via phone or email. See me in person if you need to discuss your personal academic progress or grades in this course.

COURSE DESCRIPTION
This is a course in algebra which includes operations on real numbers, polynomials, special products and factoring, and linear equations. Also covered are graphs, systems of linear equations, exponents, quadratic equations and an introduction to complex numbers.

PREREQUISITE
DMAT 0090 or an appropriate assessment test score

COURSE MATERIALS
  Contact your instructor to find out what course materials are required.
  ISBN: 9781256484417 (MML access code ONLY)
  ISBN: 9780134196176 (textbook only)
- Calculators are allowed in this course.
- MyMathLab Purchase is Required for this Course

Website: www.pearsonmylabandmastering.com
Course ID information will be given to you after you email Your Student Information Form to your Instructor
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>
</tr>
<tr>
<td>B</td>
<td>80 – 89 %</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79 %</td>
</tr>
<tr>
<td>E or F</td>
<td>0 – 69 %</td>
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</tbody>
</table>

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>20%</td>
<td>Online - Homework</td>
</tr>
<tr>
<td>5%</td>
<td>Online – Chapter Reviews</td>
</tr>
<tr>
<td>15%</td>
<td>Online – Chapter Tests</td>
</tr>
<tr>
<td>20%</td>
<td>Online – Mid Term</td>
</tr>
<tr>
<td>40%</td>
<td>Online - Final Exam</td>
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<tr>
<td>100%</td>
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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.

(IF YOU ARE AN ONLINE STUDENT & IN NEED OF THIS E-OPTION, PLEASE CONTACT YOUR INSTRUCTOR)

DROP DATE
Last date to drop with a grade of “W” is Friday, December 22, 2017.

STANDARD OF CONDUCT/CLASSROOM CONDUCT
No food, drinks or tobacco products are allowed in Eastfield College classrooms.

CLASSROOM ETIQUETTE: Electronic Devices including, but not limited to cell phones of all types, pagers, calculators, PDA’s, imaging devices, two-way radios, CD players, DVD players, IPODS, and all other related devices must be stored out of sight and turned off while in the classroom. Violation of this rule may include a grade of “F” in the course and/or expulsion from the class.

INSTITUTIONAL POLICY AND SERVICES:
Institutional Policies relating to this course can be accessed from the following link:
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.

Tests for this course may be administered at the Eastfield College Testing Center. Students are required to bring the following for test administration: DMAT 0305 Test Referral Form, a photo ID (driver’s license or student ID), a writing utensil, and your instructor approved calculator (if using). Cell phones, books, notes, food, or drinks are not allowed in the testing rooms. Please be aware that the testing center does not administer tests during the last hour of operation for the 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.

STRATEGIES TO BE SUCCESSFUL:

- Attend every class.
- Ask questions.
- Read each chapter.
- Show all work.
- Check your answers.
- Make note of problems for which you have questions.
- Review class notes.
- STUDY FOR TESTS.

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 attached to this syllabus. 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!

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

<table>
<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>
</tr>
<tr>
<td>§1.5 - Adding Real Numbers</td>
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<tr>
<td>§1.6 - Subtracting Real Numbers</td>
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</tr>
<tr>
<td>§1.7 - Multiplying and Dividing Real Numbers</td>
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<tr>
<td>§1.8 - Properties of Real Numbers</td>
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</tbody>
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### Equations and Problem Solving

| §2.1 - Simplifying Algebraic Expressions | Exponents and Polynomials |
| §2.2 - The Addition and Multiplication Properties of Equality | §5.1 - Exponents |
| §2.3 - Solving Linear Equations | §5.2 - Polynomial Functions and Adding and Subtracting Polynomials |
| §2.4 - An Introduction to Problem Solving | §5.3 - Multiplying Polynomials |
| §2.5 - Formulas and Problem Solving | §5.4 - Special Products |
| §2.8 - Solving Linear Inequalities | §5.5 - Negative Exponents and Scientific Notation |

### Graphing

| §3.1 - Reading Graphs and the rectangular Coordinate System | Factoring Polynomials (OPTIONAL) |
| §3.2 - Graphing Linear Equations | §6.1 - Greatest Common Factor and Factoring by Grouping |
| §3.3 - Intercepts | |
| §3.4 - Slope and Rate of Change | |
| §3.5 - Equations of Lines | |

### MML Tech Support

If you require assistance with installing plug-ins or configuring your computer, you can contact Pearson Education's Product Support team as follows:

**Call 1-800-677-6337**

Monday - Friday, 8 AM to 8 PM Eastern time (US and Canada)  
Sunday, 5 PM to 12 AM Eastern time (US and Canada)  
There is also a 24 hour website support for **LIVE CHAT**:


### SYLLABUS REVISION:

The guidelines in this syllabus may be changed, deleted, or amended any time by the instructor or the Math Department. The attached course outline is intended as an aid in helping you know your responsibilities for the semester. It is possible that some changes in the course outline or class policies will be made during the semester. Any changes that are made to the class policies or course outline will be announced in class.

Revised 11/28/17