



STEM Division

DMAT 0305-41230, 3 Credit Hours
Developmental Mathematics
Fall 2018, Year

Classes are MTW and R days
Classes meet 11:00 a.m. to 12:20 p.m.
Room C279

INSTRUCTOR:	Lassana Diarra
OFFICE:	C236
TELEPHONE:	
EMAIL:	Lxd0003@dcccd.edu
EMAIL POLICY:	Example: <i>"Instructor will reply to emails within 24-48 hours during week days. Not available on weekends"</i>
OFFICE HOURS:	Wednesday 3:00pm to 7:00pm, Math tutoring area at Library
Complete Instructor Schedule Department Website	

INSTRUCTOR CONTACT INFORMATION

My preferred method of contact is Lxd0003@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

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

- Textbook: *Beginning & Intermediate Algebra*, Martin-Gay, 6th Edition, 2017.
Contact your instructor to find out what course materials are required.
ISBN: 9780134194103 (a-la-carte book + MyMathLab access code)
ISBN: 9781256484417 (MML access code ONLY)
ISBN: 9780134196176 (textbook only)
- Calculators are allowed in this course.
- Course name **Diarra0305-41230**, <https://www.pearsonmylabandmastering.com/northamerica/mymathlab/>

GRADING RATIONALE

Letter Grade	Percentage
A	90 – 100 %
B	80 – 89 %
C	70 – 79 %
E or F	0 – 69 %

GRADING POLICY

Your grade will be determined as follows:

Percentage	Assignment
30%	Test1,2,3
30%	My Math Lab
10%	Homework
5%	Class Activities
25%	Final Exam
100 %	

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.

DROP DATE

Last date to drop with a grade of “W” is **12/01/2018**.

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, **paggers**, **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:

<https://www.eastfieldcollege.edu/syllabipolicies>

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

<p>Review of Real Numbers §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</p>	<p>Solving Systems of Linear Equations §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</p>
<p>Equations and Problem Solving §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</p>	<p>Exponents and Polynomials §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</p>
<p>Graphing §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</p>	<p>Factoring Polynomials (OPTIONAL) §6.1 - Greatest Common Factor and Factoring by Grouping</p>

Revised 08.2.18