# STEM Division

**DMAT 0315**

**MATH-1324-Corequisite**

**FALL 2019, Syllabus**

**DMAT-0315-47025, 3 Credit Hours**

**Course Dates:** 08/26/2019 - 10/16/2019

**MEETING DAYS and TIMES:**
- TR 9:30AM-12:20PM
- Room C315

### Instructor Contact Information

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Ahmad Abdallah</th>
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<tbody>
<tr>
<td>Phone:</td>
<td>972-391-1085</td>
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<tr>
<td>Email:</td>
<td><a href="mailto:ahmadabdallah@dcccd.edu">ahmadabdallah@dcccd.edu</a></td>
</tr>
<tr>
<td>Office &amp; Office Hours:</td>
<td>C276</td>
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</tbody>
</table>
- Office hours: Mondays & Wednesdays 11:00AM-12:30PM
- Tuesdays & Thursdays 8:15AM-9:15AM
- *Appointments may be granted and require a formal email request at least 72 hours in advance.*

**STEM Division:**
- S-Building, Room 210 | 972-860-7297

**Course Drop Date:**
- **10/03/2019**

**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)

### INSTRUCTOR CONTACT INFORMATION

My preferred method of contact is [ahmadabdallah@dcccd.edu](mailto:ahmadabdallah@dcccd.edu). Make sure your emails are appropriately addressed if you expect a response (course and section number in the subject line and your full name as a signature).
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. **Email is the best way to contact me. Your email will be answered within 24 hours, except on the weekends/holidays. Those emails will be answered Monday in the order they were received.**

COREQUISITE COURSE DESCRIPTION: This course is a study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. (3 Lec.)

PREREQUISITE:

Required: An appropriate assessment test score or DMAT 0305.

COREQUISITE/CONCURRENT

This is a corequisite course and requires continuous concurrent enrollment with MATH 1324.

STUDENT LEARNING OUTCOMES:

Upon successful completion of this course, students will:
1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines

Core Objectives:

MATH 1324 develops the following Core Objectives:
1. **Critical Thinking** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
2. **Communication** - to include effective development, interpretation and expression of ideas through written and visual communication.
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Core Objective Development Statements:

MATH 1324 develops **Critical Thinking, Communication, and Empirical and Quantitative Skills** by requiring students to solve and analyze applications of various functions to management, economics, and business
Textbook and Other Course Materials:

- My Math Lab SHOULD BE PURCHASED IN MATH 1324 AND ONLY NEEDS TO BE PURCHASED ONCE.
  - Microsoft Windows 7 and 8 users should use one of the following browsers with MyMathLab courses—Chrome, Firefox or Internet Explorer 10 and 9. Click [here](#) for other system requirements. More info will be provided on the first day of class.

**MYMATHLAB TECHNICAL SUPPORT:**

It is the responsibility of the student to contact MyMathLab Technical Support to resolve any technical issues. Please visit the following website for assistance: [https://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/support/technical-support/index.html](https://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/support/technical-support/index.html)

- **CALCULATOR**
  A graphing calculator is required for this course. You may choose your own graphing calculator model; however, TI 83 or TI 84 version is strongly preferred. Graphing calculators may not be allowed during some examinations.

MyMathLab Access Code purchase is required and not optional. You will need the following CourseID when registering into MyMathLab.

<table>
<thead>
<tr>
<th>Your Course Name</th>
<th>MATH-1324-Corequisite-FALL2019</th>
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<tbody>
<tr>
<td>Your Course ID</td>
<td>abdallah77457</td>
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**Grading Policy:**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Category</th>
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<tbody>
<tr>
<td>25%</td>
<td>Homework</td>
</tr>
<tr>
<td>40%</td>
<td>Tests</td>
</tr>
<tr>
<td>25%</td>
<td>Final Exam</td>
</tr>
<tr>
<td>10%</td>
<td>Attendance/ In-Class Activities/ Participation</td>
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<tr>
<td>100%</td>
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Grading Rationale:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>90 – 100 %</td>
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<tr>
<td>B</td>
<td>80 – 89 %</td>
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<tr>
<td>C</td>
<td>70 – 79 %</td>
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<tr>
<td>F</td>
<td>0-69 %</td>
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Final Examination:
A comprehensive final examination, which will represent at least 25% of the class grade. **ALL students are REQUIRED to take the final exam on the scheduled date set by the college.**

Tests: All students MUST show work on how they achieved the solution to every problem (including multiple choice questions) in order to receive credit for that problem. No credit will be given to the problem if the solution to the problem is correct but there is no supporting work shown.

Attendance / In-Class Activities: Attendance will be taken during each class period. You are expected to regularly attend all classes in which you are enrolled. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. All students are expected to participate in class activities and group work, these assignments cannot be made up. If you miss a class, a grade of zero will be received.

Homework Problems/Quizzes (MyMathLab)
Your homework grade will consist of on-line homework assignments for each section. This class will use MyMathLab to complete homework assignments. Assignments will have due dates. However, assignments can be completed after due dates with 10% deduction for late submission. Periodic quizzes will be assigned on MyMathLab and must be completed by the assigned date.

Policy on Missed Tests and Assignments:
Make up assignments for tests will not be given.

Missed exam policy: Make-up examinations will not be given. **NO MAKE-UP TESTS or RE-TESTS.** However, at the end of the semester, your final exam grade will replace one low or missed test grade if it is in the best interest of the student. To clarify this statement, your final exam grade still counts as 25% of your overall grade. But, if one of your test grades is lower than your final exam grade, I will replace that test grade with your final exam grade. If none of your test grades are lower than your final exam grade, then I will not replace any of them.

**You will not be able to make up the final exam under any circumstance**
Drop Date:
Last date to drop with a grade of “W” is **10/03/2019**

**Standard of Conduct/Classroom Etiquette:**

No food, drinks or tobacco products are allowed in Eastfield College classrooms. However, if your class is in a non-lab classroom your instructor may allow for food or drink.

Be respectful of those around you and their property. Cell phones and other electronic devices should be turned off during class time. Laptops are permitted in class as long as they do not disturb other student around you and the programs used should only be those that the instructor approves of and that pertain to the class material for the Course … NO EMAIL, TEXTING or other types of communication tools should be used while in the classroom.

It is expected that you will arrive to class prepared to learn, on time, and stay for the duration of our class meeting. Please consult your instructor if you must arrive late or leave class early for an emergency.

**LEARNING GOALS:**

This is a mathematics course in which you will learn to use, understand, and communicate about mathematical information. The course has five goals:

- **Communication goal:** You will interpret and communicate quantitative information and mathematical concepts using language appropriate to the context and intended audience.
- **Problem Solving goal:** You will make sense of problems, develop strategies to find solutions, and persevere in solving them.
- **Reasoning goal:** You will reason, model, and make decisions with mathematical and quantitative information.
- **Evaluation goal:** You will critique and evaluate quantitative arguments that utilize mathematical and quantitative information.
- **Technology goal:** You will use appropriate technology in a given context.

**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. In addition, TI-84 calculators are available for daily check-out in the library.

**INSTITUTIONAL POLICY AND SERVICES:**

Institutional Policies relating to this course can be accessed from the following link:

[https://www.eastfieldcollege.edu/syllabipolicies](https://www.eastfieldcollege.edu/syllabipolicies)
Topics to be covered:
Real Numbers and their properties, Solving Linear Equations, Linear Inequalities, Linear Functions, Absolute Value Equations and Inequalities, Exponents, Operations on Polynomials, Factoring, Solving Quadratic Equations, Applications of Quadratic Equations, Functions and Their Graphs.

SYLLABUS REVISION:
The guideline in this syllabus may be changed, deleted, or amended any time by the instructor. 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 07/16/19