Term: (Fall 2019) 8-Week Course (FLEX 1)  
Course: DMAT-0315-47014  
Course Dates: 08/26/19 – 10/16/19  
Class Location:  
Classes are Mondays and Wednesdays  
11:00 a.m. – 12:20 p.m. Room C104  
12:30 p.m. – 1:50 p.m. Room C314

Instructor: Dr. Alla Kelman  
Phone: 972-860-7067  
Email: allakelman@dcccd.edu  
Instructor will reply to emails within 24-48 hours during week days. Not available on holidays and weekends.  
My preferred method of contact is email. 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.

Office & Office Hours:  
OFFICE: BUILDING C, ROOM C210  
OFFICE HOURS:  
MW: 9:50 A.M. – 10:50 A.M.  
TTR: 1:00 P.M. – 2:00 P.M.  
During office hours instructor will see students and respond to emails on “first come, first serve” basis.  
If you need to see the instructor outside of office hours please make an appointment. Allow 24-48 hours for scheduling of all appointments.

STEM Division: C-Building, Room 202 | 972-860-7297

Course Drop Date: 10/03/2019  
Certification Date: 08/31/2019

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)

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: An appropriate assessment test score or DMAT 0305.

Corequisite/Concurrent
This is a corequisite course and requires continuous concurrent enrollment with MATH 1314.

COURSE INTRODUCTION:
In this class the instructor will lecture and guide discussion while students might be working in groups, pairs or individually throughout the semester. Students enrolled in this course are expected to participate by being prepared for every class, by being engaged in group activities, by joining class discussions, by communicating with the class about their understanding of mathematics, and by explaining their work to others. Don’t fall behind.

Textbook and Other Course Materials (YOU WILL PURCHASE COURSE MATERIALS IN DMAT 0315 AND CAN USE THESE MATERIALS IN MATH 1314):

  
Textbook is OPTIONAL.

- **MyMathLab:** (YOU WILL PURCHASE ACCESS TO MYMATHLAB IN DMAT 0315 AND CAN USE THE SAME CODE FOR MATH 1314). Please note that in this section of DMAT 0315, MyMathLab access is required. An ebook is included with your account. MyMathLab access is not included with the purchase of a used book, and may not be included with the purchase of a new book. Therefore, use caution when purchasing your course materials.
  
  Microsoft Windows 7 and 8 users should use one of the following browsers with MyMathLab courses--Chrome, Firefox or Internet Explorer 10 and 9. For other system requirements go to [http://www.pearsonmylabandmastering.com/northamerica/system-requirements/](http://www.pearsonmylabandmastering.com/northamerica/system-requirements/)

- **Calculator:** Students are required to have access to a TI-83 or TI-84 calculator. Graphing calculators may not be allowed during some examinations. This calculator may be check out from the Eastfield College library for DAY USE ONLY. TI-NSPIRE CX CAS is not allowed in this class.

MyMathLab Technical Support:
It is the responsibility of the student to contact MyMathLab Technical Support to resolve any technical issues. You are expected to have a computer and internet access available to you. The website being down/problem with internet access, or your computer not working is something to always keep in mind. There are computers on campus that you can use. Computers at Eastfield College are available in the library. However, please be mindful, computers are available when the college is open and only during certain hours. No assignment extensions will be given.

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)

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.

Grading Policy:
Your grade will be determined as follows:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Assignment</th>
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<tbody>
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<td></td>
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</tr>
</tbody>
</table>
15% Homework in MyMathLab
15% Quizzes in MyMathLab
20% Modular Test Average in MyMathLab
15% Class Attendance and Participation
10% Tutoring Center Attendance
25% Final Exam
100%

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>
</tr>
<tr>
<td>E* or F*</td>
<td>0-69%</td>
</tr>
</tbody>
</table>

*If you do not complete all modules, and the final exam, your course grade will be an “F”, “E”, or “W.” The “F” means failure, the “E” is given at the option of the instructor, and the “W” is given if you withdraw from class by the designated drop date.

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 FOUR of the following conditions must be met in the current semester:

1) Weekly course participation
2) Completing all Modules 1, 2, and 3 assignments.
3) Course participation has been productive and non-disruptive and either (1) all lessons in Modules 1, 2, and 3 are completed and the grade earned is below C or (2) all of the course work is completed but could not achieve a “C” or higher.

**EVEN IF YOU MEET CONDITIONS 1, 2, AND 3 YOUR INSTRUCTOR IS NOT OBLIGATED TO GIVE YOU AN “E” GRADE.**

Final Examination: A comprehensive, departmental final examination, which will represent at least 25% of the class grade, will be administered in all DMAT 0315 classes.

MYMATHLAB HOMEWORK AND QUIZ ASSIGNMENTS: Section homework assignments and section quizzes will be completed using MyMathLab.

**Homework assignments:** All of the section homework problems for the course are to be completed through MyMathLab. Students are responsible for working problems, checking solutions, and asking questions when they arise. Homework consists of problems from each assignment section.

- Problem can be repeated until mastered – select “Similar Exercise”
- 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
- Can be accessed after due date
- Late problems penalized 10%

**Quiz assignments:** Section quizzes are to be completed through MyMathLab.

- Problem can be repeated until mastered – select “Similar Exercise”
- “Help” buttons not available
- Must be in “Homework,” not “Review” mode to save progress
- Problems saved individually
- 80% mastery required to proceed to next topic
- Can be accessed after due date
- Late problems penalized 10%
Do not wait until the last minute to submit work. You are expected to have a computer and internet access available to you. The website being down/problem with internet access, or your computer not working is something to always keep in mind. There are computers on campus that you can use. Computers at Eastfield College are available in the library. However, please be mindful, computers are available when the college is open and only during certain hours. No assignment extensions will be given.

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

Mastery learning:

Mastery learning is a major tenant of this course. This means that you will not be able to proceed to the next topic until you have mastered the skills being covered. All homework and quizzes require mastery. For the purpose of this course, mastery is defined as a minimum score of 80%.

Module Test Examinations:

Students will have 4 Module Tests. Tests will be administered in MyMathLab. In MyMathLab you will find a Test Review for every Module Test. Test Reviews are optional. They are highly recommended and will help in preparation for module test. Scores on Test Reviews are omitted from student grades.

- Two attempts are allowed for each module test
- Module Test must be completed in one sitting
- Each Module Test can be accessed after due date

Make-up Module Test examinations will not be given. If you miss one of the Module tests and if you miss three or less classes throughout the semester, the final exam grade will be used as a substitute grade for that one missed test. Final examination cannot be made up.

In-Class Activities: The student will receive a grade for each of the in class group activities. Since these activities will be completed in a group setting, class activities cannot be made up. If student misses a class activity, student will receive a zero for that activity.

Class Attendance and Participation: 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.

In this class we will have in-class group activities. The student will receive a grade for each of the in-class group activities. Since these activities will be completed in a group setting, class activities cannot be made up. If student misses a class activity, student will receive a zero for that activity.

You will be required to attend class each day and will be given a daily attendance grade. At the end of the semester, all attendance grades and all in-class group activities will be averaged together and will count 15% of your course grade.

Please note that for certification purposes, participation in the course is defined as students registering for the course and accessing course materials in MyMathLab. If you have not logged into MyMathLab and did not complete orientation assignment by the certification date you will not be certified.

You are expected to regularly log into MyMathLab to complete work for the course in which you are enrolled. Students have the responsibility to consult with the instructor when a deadline cannot be met.

If a student is unable to complete a course (or courses) in which he/she is registered, it is the responsibility of the student to withdraw from the course by the appropriate date. (The date is published in the academic calendar each year and in
each semester’s class schedule). If a student does not withdraw, he/she will receive a performance grade, usually a grade of “F”.

No extra credit will be given.

**TUTORING CENTER ATTENDANCE:** Students will be required to attend Eastfield College tutoring center. Each week you will attend at least one hour of tutoring at Eastfield College Tutoring Center. Please access the following website for more information on tutoring services at Eastfield College: [https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx](https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx).

The instructor will collect your Tutoring Center weekly attendance. This weekly attendance will be graded as follows: 1 hour or more of attendance per week = 100, less than 1 hour of attendance per week = 0. Make sure that you sign in and sign out every time you visit Eastfield College tutoring center. Otherwise your attendance at the tutoring center will not be recorded and you will not receive credit for that hour of attendance.

**POLICY ON MISSED TESTS AND ASSIGNMENTS:** There are no make-up assignments in this class. All assignments have strict deadlines. Due dates are non-negotiable and can be viewed in MyMathLab and in our Course Pacing Calendar.

**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.

As with all communication, be sure that your comments are appropriate and respectful of the diversity of thought that exists in this course. All communication should promote a positive, safe and productive learning environment for all. Follow Rules of Netiquette every time conversing with me or your classmates online and face-to-face.

Please see the following website for more information: [https://www.eastfieldcollege.edu/au/fastfacts/legal/policies-for-syllabi/pages/fall-2018.aspx](https://www.eastfieldcollege.edu/au/fastfacts/legal/policies-for-syllabi/pages/fall-2018.aspx)

**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. Click on the following website for more information: [https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx](https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx)

**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. 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!**

**COURSE OUTLINE:**

<table>
<thead>
<tr>
<th>Sections</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1 – R7; 1.1 – 1.2, 1.4-1.6</td>
<td>The Set of Real Numbers; Operations with Real Numbers; Exponential Notation and Order of Operations; Introduction to Algebraic</td>
</tr>
<tr>
<td>Topics</td>
<td>Sections/Sections Covered</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------</td>
</tr>
<tr>
<td>Expressions; Equivalent Algebraic Expressions; Simplifying Algebraic Expressions; Properties of Exponents and Scientific Notation; Solving Equations; Formulas and Applications; Sets; Inequalities; Interval Notation; Intersections and Unions; Compound Inequalities; Absolute-Value Equations and Inequalities</td>
<td>2.1 – 2.7; 3.1 – 3.4, 3.7</td>
</tr>
<tr>
<td>Graphs of Equations and Functions; Finding Domain and Range; The Algebra of Functions; Linear Functions: Graphs and Slope; Finding Equations of Lines; Applications; Systems of Equations in Two Variables; Solving systems of Equations by Substitution and Elimination; Applied Problems: Two Equations; Systems of Inequalities in Two variables</td>
<td>2.1 – 2.7; 3.1 – 3.4, 3.7</td>
</tr>
<tr>
<td>Matrices, Matrix Operations, Inverse of Matrices, Determinants and Cramer's Rule</td>
<td>10.1 – 10.4</td>
</tr>
<tr>
<td>Introduction to Polynomials and Polynomial Functions; Multiplication of Polynomials; Introduction to Factoring; Factoring Trinomials and Special Factoring; Applications of Polynomial Equations and Functions: The Principle of Zero Product; Rational Expressions and Functions: Multiplying, Dividing, and Simplifying; LCMs, LCDs, Addition, and Subtraction of rational expressions; Division of Polynomials; Complex Rational Expressions; Solving Rational Equations</td>
<td>4.1 – 4.6, 4.8; 5.1 – 5.5</td>
</tr>
</tbody>
</table>

**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: 6/21/19