MATH 1314 (Corequisite) Syllabus
(Linked to DMAT 0315)
Eastfield College

Instructor Information
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Course Information
Course Title: College Algebra
Course Number: MATH 1314(DMAT315)
Section Number: 40420
Semester/Year: Spring 2020
Credit Hours: 3
Class Meeting Time/Location: Online (Ecampus and Aleks.com)
Certification Date: 03/30/2020
Last Day to Withdraw: 05/01/2020

Course Corequisite/Concurrent
This is a corequisite course and requires continuous concurrent enrollment with DMAT 0315.
**Course Description**

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

**Student Learning Outcomes**

Upon successful completion of this course, students will:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

**Texas Core Objectives**

The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:

1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
5. **Personal Responsibility** - to include the ability to connect choices, actions, and consequences to ethical decision-making
6. **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**Required Course Materials**

1. Textbook: College algebra second edition By Julie Miller and Donna Gerken (Textbook is OPTIONAL. An ebook is included with your Aleks access)
2. Required: registration on [https://www.aleks.com/](https://www.aleks.com/). (I will provide the access code for you and you can find the instruction in Ecampus under SartHere)
3. A graphing calculator may be needed for some assignments. Students may check out a TI-84 calculator from the Reserve Desk in the Eastfield College
library for the day. TI-84 calculators are also available during testing at the Eastfield College testing center. Online calculator is available in Aleks.

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer. (11 week access code is $77)

**Graded Work**

The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.

**Summary of Graded Work**

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective in Aleks</td>
<td>30%</td>
</tr>
<tr>
<td>Tests</td>
<td>30%</td>
</tr>
<tr>
<td>Test Reviews</td>
<td>10%</td>
</tr>
<tr>
<td>Mini Project</td>
<td>5%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
</tbody>
</table>

**TOTAL: 100%**

**Final Grade**

<table>
<thead>
<tr>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
</table>

**Description of Graded Work**

**Objectives:** in this course instead of homework we have objectives. Objectives are mathematical topics you already learned or you will learn during this course.

**Tests:** Tests would be online at Aleks. Aleks will require students to use LockDown browser and Webcam. So students are required to have Webcam and be able to set the Aleks LockDown browser to their computer. If a student does not have webcam or personal computer to set the lockdown browser, they need to inform instructor as soon as possible. Those student may take their Tests at Testing center.
Test IA-R is covering prerequisite
Test IA-1 is covering chapter 1 in Intermediate Algebra (Developmental Math)
Test IA-2 is covering chapter 2 in Intermediate Algebra (Developmental Math)
Test IA-4 is covering chapter 4 in Intermediate Algebra (Developmental Math)
Test IA-5 is covering chapter 5 in Intermediate Algebra (Developmental Math)
Test IA-6 is covering chapter 6 in Intermediate Algebra (Developmental Math)
Test IA-7 is covering chapter 7 in Intermediate Algebra (Developmental Math)
Test CA-9 is covering chapter 9 in College Algebra
Test CA-10 is covering chapter 10 in College Algebra
Test CA-11 is covering chapter 11 in College Algebra

Test Reviews: for each test there is a review to help students get ready for the test. Test review are under the homework.

Mini Project (CORE Artifact Assignment): All courses in the Core throughout DCCCD must undergo assessment. Math courses in the Core will be assessed this Spring. To perform the assessment, every student is required to complete and submit the CORE Artifact Assignment. This assignment is posted in the START HERE folder in Ecampus. It can be done any time without knowledge specific to this course. The CORE Artifact Assignment score will be 5% and should be submitted by due date 5/1/2020. Download the assignment. Enter your responses in the appropriate space. Answer thoroughly! Upload your completed work “SHARING” it with INSTRUCTOR ONLY via Eamil at zeinab@dccc.edu. Your instructor will grade your assignment and enter your score in Aleks manually. Not completing the assignment results in zero grades for Mini Project.

Final Exam: Final exam will be comprehensive. Students could take the final exam at any DCCCD Testing center for Free. Student could also take the final exam online with ProcturU for a fee from $27 to $31 depends on when you schedule your test. Refer to announcement for more information.

You need to inform your instructor as soon as possible about the final exam. So your instructor could arrange your final exam.

Attendance and Your Final Grade
You must have completed a topic in ALEKS BY MIDNIGHT ON 3/30/2020 to be certified in the course (So you need to complete the initial knowledge check and prerequisite topic IA-R). If you have not completed a topic in ALEKS by midnight on 3/30/2020 you WILL NOT be certified in the course and this may impact your financial aid! Classroom attendance is not required for this course; however, students are required to remain actively engaged with course curriculum.
Late Work Policy
No late work is accepted and no extension.

Standard of Conduct/Classroom Etiquette
No food, drinks or tabacco products are allowed in Eastfield College classrooms. However, if your class is in a non-lab classroom, your instructor may allow food or drink.

Additional Resources
Tutoring Services (https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx) are provided for Mathematics and Developmental Mathematics in the Eastfield library, Building L, Room 200. Students are encouraged to take advantage of this service for additional help in their course work. Visit the link above or call 972-860-7174 for more information on tutors, hours of operation and policies.

Institutional Policies
Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

Eastfield Institutional Policies (http://www.eastfieldcollege.edu/syllabipolicies)

Course Content
Will be announced at Ecampus.

Course Schedule
Will be announced at Ecampus.

Revised 1/20/20