Instructor Information

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Office Location: W-262
Division Office: Science, Technology, Engineering, & Mathematics (STEM)
Division Phone: 214-860-8760

Course Information

Course Title: College Algebra
Course Number: MATH 1314
Section Number: 60441
Semester/Year: Spring 2020
Credit Hours: 3
Class Meeting Time/Location: Online
Certification Date: Mar. 30, 2020
Last Day to Withdraw: May 1, 2020

Course Prerequisites

College level ready in Mathematics algebra-based level. (Student may have appropriate assessment test score or have successfully completed DMAT 0310 or DMAT 0315.)
Course Description
This course is an 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. This course is cross-listed as MATH 1414. The student may register for either MATH 1314 or MATH 1414 but may receive credit for only one of the two. (3 Lec.)
Coordinating Board Academic Approval Number 2701015419

Learning Outcomes
Upon successful completion of this course, students will:
Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations. Apply graphing techniques. Evaluate all roots of higher degree polynomial and rational functions. 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**

**Computer/Internet:** This is an online course and it is **essential to have a working computer with internet access.** Any computer or technical problems cannot be an excuse for missed/late homework or test and it is your responsibility to maintain computer and internet access problems for this course. Students must have a **valid email** address since the main method of contact will be by email. Important **information and announcements** will be posted on **eCampus.**

**TEXTBOOK:** Textbook is not required but **MyMathLab (MML) access code is required.** Online textbook is available on MML. You must register on MML to do this course and you need the course ID to register. The **course ID is tinker63591.** Student may purchase MML access code from the bookstore or go to [https://www.mymathlab.com](https://www.mymathlab.com). If student likes to get a textbook, purchase **COLLEGE ALGEBRA WITH INTERMEDIATE ALGEBRA** by Beecher, Penna, Johnson, Bittinger 1st Edition (ISBN-13: 9780134555263)

MML registration and login information is under “**Start Here**” on **eCampus.** You may use **MyMathLab** to register to MML. You **MUST USE SAME NAME** as appears on eConnect/eCampus when you fill out the personal information on MML. **When MML name is different than eConnect/eCampus name, your course work will not transfer to eConnect/eCampus to get a course credit.** Once you login to MML, explore all
provided tools to get familiar with MML. Don’t be afraid to click on ant tabs and learn how to use MML.

Use **Support tab** on MML login page for any MML issues or or call 1-800-677-6337 (https://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/support/index.html).

**Material:** TI – 83, TI-84, OR TI-84 PLUS CALCULATOR or any scientific calculator is **Recommended**

**Graded Work**

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentages</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section Homework</td>
<td>All Section Average x 20 %</td>
<td>20 points</td>
</tr>
<tr>
<td>Chapter Quizzes</td>
<td>3 quizzes Average x 35 %</td>
<td>35 points</td>
</tr>
<tr>
<td>Chapter Tests / Final Exam</td>
<td>5 tests Average x 45 %</td>
<td>45 points</td>
</tr>
</tbody>
</table>

**TOTAL: 100 points**

**Final Grade**

If your average falls in one of the following ranges, then the corresponding final letter grade will be submitted to the Registrar’s Office. Check the MML Gradebook for a current grade.

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 100</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80 - 89.9</td>
<td>80-89.9%</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79.9</td>
<td>70-79.9%</td>
<td>C</td>
</tr>
<tr>
<td>60 - 69.9</td>
<td>60-69.9%</td>
<td>D</td>
</tr>
<tr>
<td>0-59.9</td>
<td>0-59.9%</td>
<td>F</td>
</tr>
</tbody>
</table>

**Description of Graded Work**

**Homework : 20 %**
MyMathLab will be used for lessons, homework assignments, quizzes, chapter tests and/or extra practice. Homework is under the “Assignments” tab on the left on MML. Homework includes section lessons. However, you can use any other sources to learn each lesson concepts. I strongly encouraged to learn each lessons before you do homework problems. There is no limit to the number of times you try HW problems. You can click on “similar question” to try the problem again until you get it correctly. There is a 10% deduction on any late work and any missing work will get zeros after final exam due date. It is a student’s responsibility to do all homework assignments, quizzes and chapter tests by guided course schedule. Technical problems cannot be an excuse since MML technical assistance is available 7 days a week on the web and the contact phone number is listed on MyMathLab.

**Quiz : 35 %**
Quizzes are under “Assignments” tab on the left side on MML. You will be allowed two attempts at the quiz and your highest score will be counted towards your final course grade. You may use your first attempted quiz as a review to do it again. You are strongly encouraged to take quizzes by the suggested due date in the course schedule. However, you may can do it until the final exam due date with 10 % deduction. Any missing assignments will get zeros after final exam due date.

**Test (Include Final Exam ) 45 %**
There will be chapter tests online on MyMathLab. Tests are under “Assignments” tab on the left side on MML. You will be allowed two attempts at the test and your highest score will be counted towards your final course grade. You may use your first attempted test as a review to do it again.
You are strongly encouraged to take test by the suggested due date in the course schedule. However, you may can do it until the final exam due date with 10 % deduction. Any missing assignments will get zeros after final exam due date.
*** Check your computer system and take care of any technical problems. I can’t help you with computer technical problems and it is your responsibility. If you have problems with MML, contacts MML support.

**Final Exam:**
There is a comprehensive final exam on MML. You will be allowed two attempts at the exam and your highest score will be counted towards your final course grade. You may use your first attempted exam as a review to do it again. You are strongly encouraged to take exam by the suggested due date in the course schedule. **If you do not take the final exam by the due date, you will get a zero for that test.** There are no extensions for this assignment.

**Online Orientation: Counts as a homework grade**
Complete online orientation on eCampus and summit it to instructor through e-mail by the first week of the class. (Turn in by 3rd class day if you are taking a Flex Term, summer or winter term.) This orientation quiz will count as one of the homework grade. **You must answer all questions correctly to get full credit for orientation.**

**Attendance**

“Attending” in this course means maintain active participation. The lessons on the computer are like attending the lecture portion of an on-campus class.

In addition, just as in any on-campus class, you will need to be spending at least 10 hours a week outside of class working on assignments. Attendance and participation are dependent upon your computer and it is your responsibility to resolve your computer issue. Do not wait until a test due date to fix your computer problems. That does not merit a due date extension.

It is assumed that you have a computer for the class that you know how to load software on it, and that you have an Internet service provider. Not having a computer or an Internet provider will not be considered "computer problems." You must have an
email address since this is an online course and the main method of contact will be email.

Most students take online courses because of the convenience of working any place, anytime. **However, enrolling in an online course does not mean that you can choose when things are to be turned in. This is not a self-paced course, because I do have specific due dates.** However, you may work ahead of the schedule. If you know you will be away from the ability to work on the computer for a week or more, make sure that you are caught up through the material that would need to be completed during the week you miss. That way you will not be behind when you get back.

**Final Grade**

Final course grade will be posted on eCampus and eConnect after the final exam due date. MML grades will be transferred to eCampus **after the final exam due date.** Until than use MML grade book to check your current grade.

**Late Work Policy**

There is a 10% deduction on any work done after the due date and any missing assignment after the final exam due date will get zero. All assignments due dates are listed on the guided course schedule.

**Other Course Policies**

**SENDING EMAILS**

The best method of contact for questions for this online course is by email. Please allow at least 48 hours for a response to your emails, **72 hours** on the weekends/holidays

Be sure to put "Math-1314 - Section # - First and Last NAME" in the subject line for all emails you send.

Your proper first and last name, and the course and section numbers are vital since I am teaching many different online classes.

**Emails without this proper information will not be replied, in a timely manner.**
In order for us to be able to communicate in a timely manner, please use first and last name, as it appears in your admission enrollment papers.

**Certification Procedures:**
Students **must contact the instructor at least the third day of the class** by sending an e-mail, register on MML, turn in online Orientation Quiz, or login into eCampus. Any of these actions are needed for me to certify students in my class. It is very important for any student who gets financial aid.

**Tutoring**
Free tutoring is available at the tutoring centers at any of the Dallas Community Colleges. Students are welcome to use open computer lab / Math tutoring center W - 146 at MVC and they are open all week and on Saturdays. Here is the link for computer lab/Math tutoring center information. Please check the [MVC Tutoring Center](https://www.mountainviewcollege.edu/services/academic-support/tutoring/pages/locations.aspx) website for opening hours and updated information.

**Institutional Policies**
Institutional Policies relating to this course can be accessed using [MVC Institutional Policies](https://www.mountainviewcollege.edu/syllabipolicies). These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

**Disclaimer Reserving Right to Change Syllabus:**
The instructor reserves the right to amend this syllabus as necessary.
Course Schedule

***** Suggestion: Work two sections a day.*****

<table>
<thead>
<tr>
<th>Week</th>
<th>Assignments</th>
<th>Due</th>
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</thead>
<tbody>
<tr>
<td>Mar.23 ~ Mar.29</td>
<td>Orientation quiz, 1.1, 1.3, 1.4, 1.5, 1.6 Quiz #1 (Chap.1) 2.1, 2.2, 2.3</td>
<td>Orientation Quiz Due: <strong>25 (Wednesday)</strong> All Chp.1 assignments &amp; Quiz #1 Due: <strong>Mar. 28 (Saturday)</strong></td>
</tr>
<tr>
<td>Mar.30 ~ Apr.5</td>
<td>2.4, 2.5, 2.6 Test #1 (Chap. 2) 3.1, 3.2, 3.3</td>
<td>All Chp.2 assignments &amp; Test #1 Due: <strong>Apr. 4 (Saturday)</strong></td>
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<tr>
<td>Apr.6 ~ Apr.12</td>
<td>3.5, 10.1 Quiz #2 (Chap.3) 4.1~ 4.5</td>
<td>All Chp.3 assignments, 10.1 &amp; Quiz #2 Due: <strong>Apr.8 (Wednesday)</strong></td>
</tr>
<tr>
<td>Apr.13 ~ Apr.19</td>
<td>4.6, Test #2 (Chp.4) 5.1, 5.2, 5.3, 5.5, 5.6 Quiz #3 (Chp.5)</td>
<td>All Chp.4 assignments &amp; Test #2 Due: <strong>Apr.14 (Tuesday)</strong> All Chp.5 assignments &amp; Quiz #3 Due: <strong>Apr.19 (Sunday)</strong></td>
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<tr>
<td>Apr.20 ~ Apr.26</td>
<td>6.1 ~ 6.6 Test #3 (Chp.6) 7.1 ~ 7.3</td>
<td>All Chp.6 assignments &amp; Test #3 Due: <strong>Apr. 25 (Saturday)</strong></td>
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<tr>
<td>Week</td>
<td>Assignments</td>
<td>Due</td>
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<tr>
<td>Apr.27~</td>
<td>7.4, 7.5</td>
<td>All Chp.7 assignments &amp; Quiz #4 Due: Apr. 30 (Thursday)</td>
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<tr>
<td>May 3</td>
<td>Quiz #4 (Chp.7)</td>
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<td>8.1~8.4</td>
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<tr>
<td>May 4~</td>
<td>8.5</td>
<td>All Chp.8 assignments &amp; Test #4 Due: May 5 (Tuesday)</td>
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<tr>
<td>May10</td>
<td>Test #4 (Chp.8)</td>
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<td></td>
<td>9.1 ~ 9.4</td>
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<tr>
<td>May11~</td>
<td>9.5, 9.6</td>
<td>All Chp.9 assignments &amp; Test #5 Due: May12 (Tuesday)</td>
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<td>May 13</td>
<td>Test #5 (Chp.9)</td>
<td>All past due assignments &amp; Final Exam Due: May 14 (Thursday)</td>
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<td></td>
<td>Final Exam</td>
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You **cannot** do any missing homework, quizzes or tests after midnight of May 14th and will receive “Zeros” for any missing assignments.