COLLEGE ALGEBRA
MATH. 1314. 63402 and 93460
SPRING 2016
1/20/16 – 5/12/16

Professor: T. Slider
Email: tslider@dccc.edu
Office Phone Number: 214-860-3650
Office Number: W211
Office Hours: TR 10:00AM – 11:00AM and TR 12:30PM - 2:00PM
Meeting Days & Time: ONLINE
3 Semester Hours

Division: Science, Technology, Engineering, & Mathematics (STEM)
Office Hours: M – F 8:00 am – 5:00 pm
Office Phone: 214-860-8760
Office Number: W147

Course Description: This course is an in-depth study and applications of polynomial, rational, radical, exponential, logarithmic, absolute value and piecewise-defined functions, and systems of equations using matrices. Also covered are the graphing calculator, non-linear inequalities, sequences and series, circles, the Binomial Theorem and a review of the classification of the real number system.

Course Pre-requisites: This is an entry-level course and is open to any student meeting TSI standards of college readiness (student must have appropriate assessment test score or have successfully completed DMAT 0310)

Course Materials/Supplies Needed
COLLEGE ALGEBRA, by Sullivan, 10th edition (ISBN# 9780321979490)
MyMathLab Student Access Kit (REQUIRED)
TI – 83, TI-83 PLUS, TI-84, or TI-89 CALCULATOR (REQUIRED) (The Ti-Nspire calculator is not allowed.)

Core Statement:
MATH 1314 is a Tier 1 course in the Quantitative Reasoning learning category. “Knowledge and skills that are important to your success in other college courses will be introduced and reinforced in Tier 1. The Quantitative Reasoning category promotes the application of mathematics to increase your ability to solve “real-world” problem. When you are quantitatively literate, you can use logic and critical thinking in new ways.” - Catalog of the Colleges of DCCCD

Core Objectives:
MATH 1314 develops the following Core Objectives:
Critical Thinking – to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
Communication – to include effective development, interpretation and expression of ideas through written and visual communication.
Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Core Objective Development Statement:
MATH 1314 develops Critical Thinking, Communication, and Empirical and Quantitative Skills by requiring students to solve and analyze applications of various functions and systems of equations.

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.

Course Outline:
Chapter 1     Equations and Inequalities
Chapter 2     Graphs
Chapter 3     Functions and Their Graphs
Chapter 4     Linear and Quadratic Functions
Chapter 5     Polynomial and Rational Functions
Chapter 6     Exponential and Logarithmic Functions
Chapter 8     Systems of Equations and Inequalities
Chapter 9     Sequences, Induction, the Binomial Theorem
Note: The instructor may omit certain topics in these chapters.

Instructor Attendance Policy
Students are expected to attend all classes. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. If for some reason you must leave class early, you should inform the instructor prior to the start of class of your reason for leaving early.

Students must begin attendance in all classes of enrollment. No exceptions. Financial Aid will not be granted to students who have been certified as not attending, by the certification date. For this lecture course, your physical participation in class, on or before the certification date will allow you to receive credit for FA purposes. For certification dates, check with the division or FAO for further information. Students, who are not certified as beginning class, are responsible for any payments due as a result of non-certification, to include the dropping of courses.

Evaluation Procedures:
Your grade will be based on tests, homework, and a comprehensive final exam. All homework, tests, and final exam must be done online in MyMathLab and Mastering (http://pearsonmylabandmastering.com/). MyMathLab and Mastering is also referred to as MyMathLab.
For instructions on how to enroll in MyMathLab, access the Student Registration Handout in eCampus under the MyMathLab button.

When you enroll in MyMathLab, you are required to use the first and last name that the MVC/DCCCD Registrar has on file for you. If the name on the MyMathLab roster does not match the name on the official MVC/DTC course roster, then you may receive a failing grade until the matter is resolved.

**Grading Scale:**

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<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100% - 90%</td>
<td>A</td>
</tr>
<tr>
<td>89% - 80%</td>
<td>B</td>
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<tr>
<td>79% - 70%</td>
<td>C</td>
</tr>
<tr>
<td>69% - 60%</td>
<td>D</td>
</tr>
<tr>
<td>59% - below</td>
<td>F</td>
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</tbody>
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**Category Weights:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Tests</td>
<td>60%</td>
</tr>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
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**Readings, Videos, and PowerPoint Lectures** – You are to read in the Multimedia Textbook, watch video presentations, and view PowerPoint lectures for the assigned sections. These may be accessed in MyMathLab under the button entitled “eBOOK”.

**Tests** – All tests will be taken online in MyMathLab. The tests can be accessed under the button entitled “TESTS & FINAL EXAM”. Each test will be timed and you will be given approximately 90 minutes to complete each test. All tests will be taken online in MyMathLab. **Each test must be completed in one sitting.** You cannot work in a test and go back to it at a later time to finish it. If the system boots you out of a test, then you must email me within two minutes of getting booted out. If you do not email me within that two minutes, your test will not be reset and will be submitted as is. It is imperative there is no delay in contacting me.

The system is set so that if you attempt to open another assignment, etc. your test session will end. **Do not open any other assignment, etc. when you are testing.** **Access will not be given if your test closes because you opened another assignment.** Test questions will be taken from the readings, video presentations, and PowerPoint lectures. Each test has to be taken in the lockdown browser which you will download from MyMathLab. Please access the following link for more information. [http://help.pearsoncmg.com/xl/student/sa/student_help_Left.htm#CSHID=take_locked_down_tests.htm|Star tTopic=Content%2Ftake_locked_down_tests.htm|SkinName=stu-frameset](http://help.pearsoncmg.com/xl/student/sa/student_help_Left.htm#CSHID=take_locked_down_tests.htm|StartTopic=Content%2Ftake_locked_down_tests.htm|SkinName=stu-frameset)

A reliable computer with internet access is required. **Because you will take tests in the lockdown browser, any difficulties with the lockdown browser must be worked out before the first test. Issues with the lockdown browser will not be cause for an extension on the quizzes or tests.** A sample test has been posted in MML so that you can use it to test your computer’s status with the lockdown browser. You will need to check your lockdown browser access before each test. If you cannot get the lockdown browser to work on your personal computer, then you will need to find an alternate computer to take the quizzes and tests.
If your computer crashes, etc. during a test which prevents you from completing the test, then you must provide me documentation proving the issue. Without proper documentation, the test will not be reset for you to complete.

Each test must be completed in one sitting. You cannot work in a test and go back to it at a later time to finish it. If the system boots you out of a test, then you must email me within two minutes of getting booted out. If you do not email me within that two minutes, your test will not be reset and will be submitted as is. It is imperative there is no delay in contacting me.

**MyMathLab Homework** – Under the “HOMEWORK” button in MyMathLab will be the assignments in which you will practice the mathematics concepts introduced in each chapter. The due dates for these assignments are listed beside each assignment. The due dates are also listed in eCampus under the “ASSIGNMENTS” button.

**Final Exam** – There will be a comprehensive final exam given in MyMathLab that must be completed by 10:00 p.m. Central Standard Time, Wednesday, May 11, 2016.

**Gradebook** - To access your grades throughout the semester, please view the gradebook in MyMathLab. The MyMathLab gradebook will have the most current average for you. Grades will be kept in the eCampus grade center for official recordkeeping.

**Netiquette** – Please refer to the information under the “Netiquette” button in eCampus to learn the rules of etiquette for this course.

**Time Zone**
This course will be facilitated in Central Standard Time.

**Responsibility of Online Learner:**
As a student in an online course, it is your responsibility to locate a computer with reliable internet access. Computer and internet issues/problems not associated with the eCampus and/or My Lab and Mastering (MyMathLab) websites’ technical issues or downtime will not be considered exceptions to the late work and makeup exam policies. It is also your responsibility to have the necessary course materials to complete the assignments. You will not receive extensions on assignments or tests due to financial issues, not receiving MyMathLab by the start of class, or personal computer issues. Please plan ahead and do not wait until the last minute to complete assignments or tests.

**Classroom Etiquette:**
Any online or email behavior or language deemed inappropriate by the instructor will not be tolerated. Any student who is disruptive or offensive will be removed from the course and required to discuss his or her behavior with the instructor before continuing with the course. Please familiarize yourself with and abide by the **Student Code of Conduct** found online at [https://www1.dcccd.edu/cat0406/ss/code.cfm](https://www1.dcccd.edu/cat0406/ss/code.cfm).

**Late Work Policy:**
Late work is not allowed. You are more than welcome to submit an assignment early. You are not allowed to submit an assignment late. Extensions will not be granted.

**Makeup Exam Policy:**
Makeup exams are not allowed. You are more than welcome to do an exam early. You are not allowed to do an exam late. Extensions will not be granted.
Certification Procedures:
To be certified as attending this online course, you must complete the Introduction Discussion Board assignment in eCampus by the deadline posted.

The withdraw date for this class is April 14, 2016.

Academic Dishonesty: (edit if needed)
Students that caught plagiarizing an assignment will be subject to an “F” in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. More information is available at https://www1.dcccd.edu/catalog/ss/code.cfm.

Institution Policies: Please visit http://www.mountainviewcollege.edu/Academics/Documents/Institutional%20Policies.pdf for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Dishonesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).

The chapter textbook readings and Power Point lectures need to be completed before you begin on the homework. They do not have due dates so that you can access them anytime throughout the semester.