INSTRUCTOR CONTACT INFORMATION
My preferred method of contact is by eMail – buddysaucedo@dcccd.edu. 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.

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. This course is the prerequisite for MATH 1316. 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 or 4 Lec.)

Prerequisites: College level ready in Mathematics algebra-based level.
Textbook and Other Course Materials:
- OR
- My Math Lab - 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.
- Students are required to have access to a TI-83 or TI-84 calculator. Graphing calculators may not be allowed during some examinations.

Website: www.pearsonmylabandmastering.com

Course ID information will be given to you after you email
Your Student Information Form to your Instructor

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.

Core Objectives:
MATH 1314 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 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.

**GRADING RATIONALE**

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
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<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>D</td>
<td>60 – 69%</td>
</tr>
<tr>
<td>F</td>
<td>0 – 59%</td>
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GRADING POLICY
Your grade will be determined as follows:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>20%</td>
<td>Online - Homework</td>
</tr>
<tr>
<td>5%</td>
<td>Online – Chapter Reviews</td>
</tr>
<tr>
<td>15%</td>
<td>Online – Chapter Tests</td>
</tr>
<tr>
<td>20%</td>
<td>Online – Mid Term</td>
</tr>
<tr>
<td>40%</td>
<td>Online - Final Exam</td>
</tr>
<tr>
<td>100%</td>
<td></td>
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I REQUIRE that You make a 50% or Higher on ALL Reviews and TESTS ... If you do not, you will not be able to take the Mid Term nor the Final Exam ... No Exceptions!

Policy on Missed Tests and Assignments: ALL MyMathLab (MML) Assignments are expected to be done on time by their Assigned Due Dates. However, All Late Work within MML will be given a Late Penalty of 30% for all MML Assignments that are Past Due ... The Last Day to submit Late MML Assignments will be a date prior to the Final Exam. All Dates for In-Class Exams will be given to you during Class time. You are responsible for any assignment that are due in your absence and any that are missed will be given a Penalty Percentage.

Attendance Policy:
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. There will be a 2 point deduction off the Final Grade Average for each absence beyond the allowed 2 weeks of excused or unexcused absences

(If you are an Online Student, YOU DO HAVE TO PARTICIPATE Several times a week in your course to be SUCCESSFUL.)

Standard of Conduct
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.

Classroom Etiquette:
Electronic Devices including, but not limited to cell phones of all types, pagers, calculators, PDA’s, imaging devices, two-way radios, CD players, DVD players, IPODS, and all other related devices must be stored out of sight and turned off while in the classroom. Violation of this rule may include a grade of “F” in the course and/or expulsion from the class.

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
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.

COURSE OUTLINE:

<table>
<thead>
<tr>
<th>Sections</th>
<th>Topics</th>
</tr>
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<tbody>
<tr>
<td>P1, 1.5-1.7, 2.1-2.2, 2.5-2.8</td>
<td>Real number system, Equations, Relations and Functions; Circles</td>
</tr>
<tr>
<td>3.1-3.6</td>
<td>Polynomial and Rational functions; Theory of Functions</td>
</tr>
<tr>
<td>4.1-4.5</td>
<td>Exponential, Logarithmic and Special functions</td>
</tr>
<tr>
<td>6.3-6.5, 8.1-8.3, 8.5</td>
<td>Progressions, The Binomial Theorem, Matrices, Determinants, mathematical reasoning skills, Sequences, Series and Applications</td>
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**MML Tech Support**

If you require assistance with installing plug-ins or configuring your computer, you can contact Pearson Education’s Product Support team as follows:

Call 1-800-677-6337

Monday - Friday, 8 AM to 8 PM Eastern time (US and Canada)
Sunday, 5 PM to 12 AM Eastern time (US and Canada) There is also a 24 hour website support for **LIVE CHAT**:

http://mymathlab.com/contactus_stu.html

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.

Last Revised: 08/21/2019