COLLEGE ALGEBRA
MATH.1314.63430
SPRING 2015
01/20/15 – 03/19/15

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Meeting Days & Time: Online
Room Number: Online
Credit Hours: 3

Division: Business, Computers, Math and Technical Programs – BCMT
Office Hours: M – F 0800 – 1800
Office Phone: 214.860.8645
Office Location: W210

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. (3 Lec.)

Prerequisite:
This is an entry-level course and is open to any student meeting TSI standards of college readiness (student must have appropriate assessment test scores or have successfully completed DMAT 0310.

Course Materials / Supplies Needed:
MyMathLab: MyMathLab is required for this course. It may be purchased along with the textbook or separately. It includes an electronic version of the textbook. The eBook is less convenient but will save you money. MyMathLab will be referred to in this syllabus as MML.

MML Information:
The MML Course ID: payne19113. MML Course Name: 2015SP-MATH-1314-63430

Textbook
As mentioned above there is an electronic version of the textbook included with MML. You will be able to print the individual pages of the book and keep them in a three-ring binder. This will save money. For those of you who prefer a bound textbook the following information is provided.

College Algebra by Sullivan, 9th edition (ISBN 13: 9780321716811). Please note the ISBN contained herein is for the textbook only. The MVC Bookstore will typically have the textbook bundled with MyMathLab. The ISBN for this bundle may be different than the one listed above. The title of the book and the edition are correct. Make your selection based on the title and edition rather than the ISBN.

Pearson Lockdown Browser:
All pre-tests and chapter tests will be administered using the Pearson Lockdown Browser. This prevents opening other sites while testing. It requires the download and installation of the browser on the computer you are using to
take the evaluations. If you do not have it installed on your computer you will be prompted to install it upon attempting to open the first pre-test.

**Orientation Exercises:**
It is suggested that you complete the *Answering Orientation Exercises* in the Study Plan portion of the course found on MML. They show you how to enter answers into the software when doing the course activities.

**Textbooks, MML Access Codes and Financial Aid**
When you registered for this course you knew that there would be financial obligations related to tuition and the purchase of the necessary materials. I expect you to acquire your course materials no later than the first day of class. I understand that some of you will need the assistance of financial aid and that the financial aid may not be prompt in arriving. Pearson Publishing allows students a 14-day free access period. If you do not purchase and register a valid access code by the expiration of the 14 days the work you have completed will be lost. MML contains an online textbook. It is found in the Multimedia section of the course. Since the textbook and assignments will be available to you beginning on the day you register with MML there is no excuse for not completing the work by the deadlines. Also, because you now know this, there is no excuse for not securing the necessary funds to purchase the access code by the end of the 14-day period. Once you receive your financial aid you can resupply the source from which you acquired the funds to purchase the materials.

**Core Objectives:**
The objective of the mathematics component of the core is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems. The exemplary educational objectives are to:

1. To apply arithmetic, algebraic, geometric, higher-order thinking and statistical methods to modeling and solving real-world situations.
2. To represent and evaluate basic mathematical information verbally, numerically, graphically and symbolically.
3. To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
4. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
5. To interpret mathematical models such as formulas, graphs, tables and schematics and draw inferences from them.
6. To recognize the limitation of mathematical and statistical models.
7. To develop the view that mathematics is an evolving discipline, interrelated with human culture and understand its connections to other disciplines.

**Student Learning Outcomes**
Upon successful completion of this course you should be able to solve problems involving:
1. Solve linear and non-linear equations and inequalities
2. Identify function types
3. Solve function equations

**Course Outline and Chapter Deadlines:**

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Sections</th>
<th>Chapter Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter 1</td>
<td>Equations and Inequalities</td>
<td>1, 2, 3, 4, 5, 6</td>
<td>02/12/15</td>
</tr>
<tr>
<td>Chapter 2</td>
<td>Graphs</td>
<td>2, 3</td>
<td>02/12/15</td>
</tr>
<tr>
<td>Chapter 3</td>
<td>Functions and Their Graphs</td>
<td>1, 2, 3, 4, 5</td>
<td>02/12/15</td>
</tr>
<tr>
<td>Chapter 4</td>
<td>Linear and Quadratic Functions</td>
<td>1, 3, 5</td>
<td>02/12/15</td>
</tr>
<tr>
<td>Chapter 5</td>
<td>Polynomial and Rational Functions</td>
<td>1, 2, 3, 4, 5, 6</td>
<td>03/19/15</td>
</tr>
<tr>
<td>Chapter 6</td>
<td>Exponential and Logarithmic Functions</td>
<td>1, 2, 3, 4, 5, 6, 7, 8</td>
<td>03/19/15</td>
</tr>
<tr>
<td>Chapter 7</td>
<td>Systems of Equations and Inequalities</td>
<td>1, 2, 3, 4</td>
<td>03/19/15</td>
</tr>
<tr>
<td>Chapter 8</td>
<td>Sequences, Induction, the Binomial Theorem</td>
<td>1, 2, 3, 4, 5</td>
<td>03/19/15</td>
</tr>
<tr>
<td>Final Exam</td>
<td></td>
<td></td>
<td>03/19/15</td>
</tr>
</tbody>
</table>
Communication with your Instructor:
Communications between the instructor and student during the semester will be conducted by email. Your email address must be current and may be updated by following the instructions located under the “Start Here” link on the menu. Click the “Personal Information on eCampus and Email Protocol” link. Also read and follow the instructions under “Sending an Email”. You must include your name and the course number and section in the body of the email. Failure to follow these procedures will most likely result in a delay in receiving a response or it may result in no response at all. Your emails will be answered within 48 hours of receipt during the week and 72 hours if the email is received on the weekend.

Attendance Policy:
This course is offered 100% online and each class participant is responsible for studying the material as presented in the textbook and, if available, other materials provided by your instructor. Although this course requires no physical class attendance there is attendance requirement, which is discussed below under Financial Aid Certification.

Financial Aid Certification:
You must meet the financial aid certification requirement by Thursday, 26 JAN 15. This requirement consists of doing some or all of the homework assignment for Chapter 1. This requirement serves as proof of class participation during the Certification Period. Merely registering with MML is not sufficient to meet this requirement. If I cannot determine that you have participated in the course during the certification period you may not receive any financial aid or be required to repay any financial aid already given you for this course.

Evaluation System:
Your grade will be based on your scores on homework, the average of the chapter tests and the score on the comprehensive final exam. All these activities will be administered on MML.

Pre-Tests:
There are 8 pre-tests available in the course. These are not mandatory but will help you determine on which topics you need to concentrate your study efforts.

Study Plan:
The Study Plan is not mandatory but provides you with extra homework activities and practice quizzes. None of the grades on Study Plan activities will count toward your course grade.

Homework:
There are 8 homework assignments, one for each chapter. These represent 30% of your course grade.

Tests:
There are 8 chapter tests. There represent 50% of your course grade.

Final Exam:
A comprehensive final exam will be administered at the end of the semester. This represents 20% of your course grade. The final exam schedule is available on the Mountain View College website.

Semester Grade Calculation:
A weighted average system will be utilized. Homework = 30%, chapter tests = 50% and the final exam= 20% for a total of 100%. The lowest chapter test grade will be discarded before that average is computed.

Grading Scale:
A = 90-100, B = 80-89, C = 70-79, D = 60-69, F = 59 or less

Posting of Grades:
While the grades will appear in MML, the official grades will be posted on eCampus. In addition to those grade column titles with obvious meanings, the following grade column titles will appear in eCampus:
SHA – Semester Homework Average; STA – Semester Test Average; SGA – semester grade average; SLG – semester letter grade. The STA column displays the average of your best 5 chapter tests. The SGA column displays the weighted average of all graded activities as stated in the Grading Scale above.

The grade you see in the SGA column are based on a running average. A running average uses only those activities for which scores are available. Un-attempted activities, past or future, have not been taken into account. Performance on un-attempted work will affect the final grade. Zeros will be entered for those activities that were not attempted prior to the deadlines.

**Tutoring:**
If you live close to one of the DCCCD colleges you may obtain help from a math tutor at that college. Links to the websites of each college’s tutoring resources are found on the Start Here page of your eCampus course.

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

**College Calendar: Spring 2015 (2015SP)**
All official college dates are listed on the college calendar. The college calendar is available on the Mountain View College website at [http://www.mountainviewcollege.edu/Academics/Pages/default.aspx](http://www.mountainviewcollege.edu/Academics/Pages/default.aspx)

**Official Drop Date:** 28 FEB 15

**Institutional Policies:** Please visit [http://www.mountainviewcollege.edu/Academics/Documents/Institutional%20Policies.pdf](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.).

**eCampus Help:**
Occasionally technical issues arise with the use of eCampus and solutions to these should be requested from the support staff at the eCampus Help Desk. The support staff may be reached online or by phone at 972-669-6402 (out of Dallas call 1-866-374-7169). There is additional information on this topic on eCampus in the Start here section of the course.

**MML Help:**
For help on entering answers, go to the audio tour: [http://www.MyMathLab.com/tours.html](http://www.MyMathLab.com/tours.html) and click on the How to Enter Answers Using the MathXL Player link. *If you have questions or need assistance, call tech support at 1.800.677.6337.*