Contemporary Mathematics - Syllabus
Eastfield College

Instructor Information
Name: Prof. Leticia Escobar
DCCCD Email: lescobar@dcccd.edu
Office Phone: 972-860-7082
Office Location: G-234
Office Hours: By appointment only
Division Office and Phone:  STEM Division, C-Building, Room 202 | 972-860-7297

Course Information
Course Title: Contemporary Mathematics
Course Number: MATH 1332
Section Number: 42490
Semester/Year: Spring 2020 (Wintermester: 12/18/19 – 1/10/20)
Credit Hours: 3
Class Meeting Time/Location: Online
Certification Date: Wednesday, 12/18/19
Last Day to Withdraw: Monday, 1/06/19

Course Prerequisites
Two years of high school algebra and an appropriate assessment test score.

Course Description
Intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability, and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

Student Learning Outcomes
Upon successful completion of this course, students will:
1. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.
2. Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.
3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.
4. Apply algebraic reasoning to manipulate expressions and equations to solve real world problems.
5. Use graphs, tables, and technology to analyze, interpret, and compare data sets.
6. Construct and use mathematical models in verbal, algebraic, graphical, and tabular form to solve problems from a variety of contexts and to make predictions and decisions.
CORE INFORMATION

Math 1332 develops Critical Thinking, Communication, and Empirical and Quantitative Skills by requiring students to solve and analyze applications to at least one of the following: sets, logic, number systems, number theory, functions, probability and statistics.

The following core objectives will be addressed and assessed through the content covered in this course:

- **Critical Thinking Skills:** to include creative thinking, innovation, inquiry, and analysis, evaluation and syntheses of information
- **Communication Skills:** to include effective development, interpretation and expression ideas through written, oral and visual communication
- **Empirical and Quantitative Skills:** to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

**Required Course Materials**

2. **REQUIRED** - Calculators: Calculators are allowed in this course for certain activities. A calculator that can signed numbers is recommended. The TI-89, TI-92 or TI-Nspire graphing calculators are NOT allowed on any test.

Even if you use the 14 days temporary access given by MML, you are still required to purchase the code.

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.

**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>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td></td>
<td>20%</td>
</tr>
<tr>
<td>Module Tests</td>
<td></td>
<td>20%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td></td>
<td>25%</td>
</tr>
<tr>
<td>Discussion Board Activities</td>
<td></td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td></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>0-100%</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 and Late Work Policy

CERTIFICATION PROCEDURES
To be certified as attending this course, you must complete the “Welcome” Discussion Board and Orientation assignments in My Math Lab by the deadline posted.

MY MATH LAB CATEGORIES AND WEIGHTS
My Math Lab has 4 categories, Homework (everything labeled HW as well as the videos are included in this category), Tests (Pre-tests and Module Tests as well as the corresponding reviews are included in this category), Quizzes (This category is only used for the Midterm and Final Exam review and tests) and Discussion Activities (All discussion activities are included in this category).

All test reviews are mandatory to complete prior to taking any given test, but they do not count towards your average. Videos are assigned but they are not mandatory or neither they count towards your average. If you have any questions regarding the grading, contact your instructor for further clarification.

MIDTERM AND FINAL EXAMS POLICIES
- The midterm and final exam are password protected and only the personnel at the EFC Testing Center (or other testing facility arranged in advance) knows and can input the password.
- Student is responsible to email the instructor once the prerequisite for each exam have been completed
- Only have ONE chance at taking the Midterm and Final Exam; no make-ups will be allowed
- Prerequisite for Midterm – Complete all assignments, discussions, and modular tests for Modules 1, 2 and 3. Also complete the Midterm Exam Review.
- Prerequisite for Final – Complete all modules assignments, discussions and modular tests. Have taken Midterm Exam.
- Both exams are timed, and you have 120 minutes to complete each test.
- Both exams have blocked views of any other website or student aids, if students try to access anything outside the exam view, the exam will be blocked and the student cannot continue testing.
- Contact the instructor the first week of class to designate your testing facility. There is NO fee for testing at ANY of the DCCCD campuses.
- Facilities outside of DCCCD usually require a fee for proctoring “correspondence tests”. Contact information (email address and phone number) is required for facilities outside of DCCCD.
- DCCCD Testing Center locations and hours in addition to information on nominating an individual to serve as proctor can be found at DCCCD Testing Centers.

DISCUSSION BOARD ACTIVITIES POLICIES
One of the most important aspects of an online course is the interaction between you and your fellow learners. There is a discussion board activity per every module in the course that you are required to complete for participation and group interaction purposes. These postings need to be completed on or before the due date to get full credit. All discussion board activities are due before midnight (11:59 PM) by the deadline posted in My Math Lab. The due dates are located in the course calendar and in My Math Lab. Please make certain that your posts are well-written, grammatically correct, and informative. Always make sure you have completed all the objectives posted in each discussion board activity.

The CORE ARTIFACT PROJECT will be part of the discussion activity to turn in.

Attendance and Your Final Grade
Classroom attendance is not required for this course; however, students are required to remain actively engaged with course curriculum.
- Any student that has not registered on MyMathLab and completed the orientation assignment by the DUE DATE will NOT be certified as having attended and consequently may be dropped from the class.
• All students need to complete all discussion board activities to be counted as active students in the course.

If you are unable to complete a course (or courses) in which you are enrolled, it is your responsibility to withdraw from the course by the appropriate date. If you do not withdraw, you will receive a performance grade, usually a grade of "F". (2014-2015, Eastfield College, Dallas County Community Colleges Catalog)

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

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Sections</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ch. 1</td>
<td>1.1 – 1.3 (All Sections)</td>
<td>Problem Solving and Critical Thinking</td>
</tr>
<tr>
<td>Ch. 2</td>
<td>2.1 – 2.5 (All Sections)</td>
<td>Set Theory</td>
</tr>
<tr>
<td>Ch. 3</td>
<td>3.1 – 3.7</td>
<td>Logic</td>
</tr>
<tr>
<td>Ch. 5</td>
<td>5.1 – 5.6</td>
<td>Number Theory and the Real Number System</td>
</tr>
<tr>
<td>Ch. 8</td>
<td>8.1 – 8.8 (Not including 8.5)</td>
<td>Consumer Mathematics and Financial Management</td>
</tr>
<tr>
<td>Ch. 12</td>
<td>12.1, 12.2</td>
<td>Statistics</td>
</tr>
</tbody>
</table>

Instructional Components

This course is divided into modules. The components of each module are described below.

Step 1: Video – Watch the video of each section of the chapter
• Must be accessed before each homework assignment
• Grade omitted from course average
• Can be accessed after due date

Step 2: Homework – Each section contains between 20-35 problems
• Problem can be repeated until mastered – select “Similar Exercise” after each 3rd incorrect attempt
• All “Help” buttons available
• Needs to be completed prior to 11:59 PM on the due date
• Can be accessed after due date
• Late problems penalized 10%
• Must be in “Homework,” not “Review” mode to save progress
• Problems saved individually

Step 3: Test Review – Helps prepare students for the chapter test
• Must be accessed before proceeding to the chapter test
• Score omitted from student grades
• Can be accessed after due date

**Step 4: Chapter Test – Assesses student understanding of the chapter**
• Each test contains between 20-33 problems
• No “Help” buttons available
• Needs to be completed prior to 11:59 PM on the due date
• Can only be taken 3 times, the highest score is recorded
• Can be accessed after due date with authorization of instructor only
• Late tests are penalized by 10%
• Can be viewed through the Gradebook after due date

**Step 5: Discussion Board Activity – Help increase student to student interaction**
• Each activity is described in detail under the Discussion Board Tab
• Students are encourage to review the grading rubric prior to posting
• Needs to be completed prior to 11:59 PM on the due date
• Instructor grades each posting manually and post grades on the Gradebook
• All discussion activities count for 10% of your total course average

Once you have completed the first 3 modules, you will have a proctored Midterm Exam. Once you have completed the whole course you will have a comprehensive proctored Final Exam.

**NOTE:** Allow time for computer/internet problems -- do not wait until the last minute to submit work. This is an online class. You are expected to have a computer and internet access available to you. There are computers on campus but they are only open when the College is open and only during their hours posted on the door. The website being down or your computer or internet access not working at the last minute is something you should expect. No extensions are given for any reason.
Course Calendar

This calendar provides you with provisional due dates so you will be able to complete the whole course during this short semester. If you have any questions, please contact your instructor. All official due dates are posted in My Math Lab (MML). Please note that ALL HOMEWORK is DUE on Thursday, 01/09/20 and the FINAL EXAM is DUE on Friday, 1/10/20.

Day by Day Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Assignments Due</th>
<th>Date</th>
<th>Assignments Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1:</td>
<td>12/16 Classes Starts Log into eCampus Fill out Student Information Form</td>
<td>D2:</td>
<td>12/17 Log into MML1 Discussion Board Activity (MML)1 START HERE Activities (MML)1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>VIDEO - HW – Orientation</td>
</tr>
<tr>
<td>D3:</td>
<td>12/18 VIDEO - HW – Section 5.1</td>
<td>D4:</td>
<td>12/19 VIDEO - HW – Section 5.4</td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 5.2</td>
<td></td>
<td>VIDEO - HW – Section 5.5</td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 5.3</td>
<td></td>
<td>VIDEO - HW – Section 6.6</td>
</tr>
<tr>
<td>D5:</td>
<td>12/20 Review &amp; Test Chapter 5</td>
<td>D6:</td>
<td>12/21 VIDEO - HW – Section 1.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>VIDEO - HW – Section 1.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>VIDEO - HW – Section 1.3</td>
</tr>
<tr>
<td>D7:</td>
<td>12/22 VIDEO - HW – Section 12.1</td>
<td>D8:</td>
<td>12/23 Review &amp; Test Chapters 1 &amp; 12</td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 12.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D9:</td>
<td>12/24 Christmas Eve</td>
<td>D10:</td>
<td>12/25 Christmas Day</td>
</tr>
<tr>
<td>D11:</td>
<td>12/26 VIDEO - HW – Section 2.1</td>
<td>D12:</td>
<td>12/27 VIDEO - HW – Section 2.3</td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 2.2</td>
<td></td>
<td>VIDEO - HW – Section 2.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>VIDEO - HW – Section 2.5</td>
</tr>
<tr>
<td>D13:</td>
<td>12/28 Review &amp; Test Chapter 2 Discussion Activity 1 - DUE</td>
<td>D14:</td>
<td>12/29 Midterm Exam Review Midterm Exam</td>
</tr>
<tr>
<td>D15:</td>
<td>12/30 VIDEO - HW – Section 3.1</td>
<td>D16:</td>
<td>12/31 New Year’s Eve</td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 3.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 3.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D17:</td>
<td>01/01 New Year’s Day</td>
<td>D18:</td>
<td>01/02 VIDEO - HW – Section 3.4</td>
</tr>
<tr>
<td>D19:</td>
<td>01/03 VIDEO - HW – Section 3.7</td>
<td>D20:</td>
<td>01/04 Review &amp; Test Chapter 3</td>
</tr>
<tr>
<td>D21:</td>
<td>01/05 VIDEO - HW – Section 8.1</td>
<td>D22:</td>
<td>01/06 VIDEO - HW – Section 8.4</td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 8.2</td>
<td></td>
<td>VIDEO - HW – Section 8.6</td>
</tr>
<tr>
<td></td>
<td>VIDEO - HW – Section 8.3</td>
<td></td>
<td>VIDEO - HW – Section 8.7</td>
</tr>
<tr>
<td>D23:</td>
<td>01/07 VIDEO - HW – Section 8.8</td>
<td>D24:</td>
<td>01/08 Review &amp; Test Chapter 8</td>
</tr>
<tr>
<td>D25:</td>
<td>01/09 Discussion Activity 2 - DUE Last day to complete all online work</td>
<td>D26:</td>
<td>01/10 Final Exam Review Final Exam</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note 1: MML – My Math Lab

Syllabus and Calendar Revision
The instructor or the Math Department reserves the right to change, delete, or amend the SYLLABUS or CALENDAR at any time. Any changes that are made to the class policies or course outline will be announced in class.

Updated 12/16/19