Instructor Information
Instructor: ____________________________ Phone: ____________________________
Office: ____________________________ Email: ____________________________
Office hours: ____________________________

Course Information
COURSE TITLE: Mathematics for Business and Social Science
COURSE NUMBER: MATH 1324
CREDIT HOURS: Three credit hours

COURSE PREREQUISITE: Meet TSI college-readiness standard for Mathematics; or equivalent.

COURSE DESCRIPTION: The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. (3 Lec.)

REQUIRED SOFTWARE INCLUDES eTEXT:

Mathematics with Applications, 12/E + MyMathLab
Margaret L. Lial, American River College
Thomas W. Hungerford, Saint Louis University
John Holcomb, Cleveland State University
Bernadette Mullins, Birmingham-Southern College


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.
OTHER REQUIRED MATERIALS:
- Valid and monitored e-mail address, access to eCampus, access to computers.
- Binder or spiral notebook, paper, graph paper, ruler, pencils
- Calculator TI-84 (required)

DCCCD/State of Texas LEARNING OUTCOMES related to the book above:

<table>
<thead>
<tr>
<th>Learning Outcomes (as listed in ACGM)</th>
<th>Chapter(s) from textbook – Mathematics with Applications, 12/E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Apply elementary functions, including linear, quadratic, polynomial, rational, logarithmic, and exponential functions to solving real-world problems.</td>
<td>Chapter 3, Chapter 4</td>
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<tr>
<td>2. Solve mathematics of finance problems, including the computation of interest, annuities, and amortization of loans.</td>
<td>Chapter 5</td>
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<tr>
<td>3. Apply basic matrix operations, including linear programming methods, to solve application problems.</td>
<td>Chapter 6, Chapter 7(7.1,7.2,7.3)</td>
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<tr>
<td>4. Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems.</td>
<td>Chapter 8(8.3,8.4), Chapter 9(9.1)</td>
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<tr>
<td>5. Apply matrix skills and probability analyses to model applications to solve real-world problems.</td>
<td>Chapter 6(6.3), Chapter 8(8.4)</td>
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</table>

Course Activities and Evaluation Procedures:

I. **Unit Exams**: There will be 4 Unit Exams worth 100 points each. Exams may have to be taken outside of classroom time in the Assessment Center located in the basement. The Assessment Center hours (to begin a test) for the semester are M-Th 8am-6:30pm, F-Sa 8am-1:30pm, closed on Sundays. **There will be no make-up exams given except in cases where an emergency can be documented.**

II. **Online homework**: Quizzes and Homework will be assigned regularly using MyMathLab software. You may use the temporary access code provided by the software but you must purchase the permanent code by the **third week of class**.

   Course ID for MyMathLab: __________________________

III. **Final Exam**: A comprehensive departmental exam will be worth 200 points. The final exam will be administered during Finals Week in the classroom. You will need a Scantron Form 882-E, pencil and scratch paper. **There will be no make-up final exams given in class.**

IV. **Instructor’s choice**
V.  **Core Signature Assignment– CT3 “Critically Thinking Things Through”**

El Centro College’s Quality Enhancement Plan is “CT3: Critically Thinking Things Through”. The Mathematics Department has designed a project to introduce students in your math class to critical thinking strategies, as well as help students document their thinking when tackling difficult, complex scenarios. You will work an assignment to fulfill the QEP-CT3 requirements of this course. The “Signature” QEP-CT3 assignment will be available on your eCampus site and will count for 20 points on one of your exams (your instructor will provide you with more details). You must complete and upload a pdf for the Signature assignment no later the date and time indicated by your instructor.

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**Grading Policy:**

<table>
<thead>
<tr>
<th>Grade Calculation (in points)</th>
<th>Final grades will be recorded using the following scale:</th>
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</thead>
<tbody>
<tr>
<td>Test 1 .......................... 100</td>
<td>Course grade:</td>
</tr>
<tr>
<td>Test 2 .......................... 100</td>
<td>4 unit exams + Online Quiz Ave + Online HW Ave + Final Exam</td>
</tr>
<tr>
<td>Test 3 .......................... 100</td>
<td></td>
</tr>
<tr>
<td>Test 4 .......................... 100</td>
<td></td>
</tr>
<tr>
<td>Final Exam ..................... 200</td>
<td></td>
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<tr>
<td>MyMathLab ...................... 100</td>
<td></td>
</tr>
<tr>
<td>Online Quizzes ................ 100</td>
<td></td>
</tr>
<tr>
<td>Total Points: .................. 800</td>
<td></td>
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</tbody>
</table>

**Attendance Policy:**  Attendance on time and for the whole class period is required. Every time that you do not arrive to class on time or leave class before it is dismissed, it will count as an absence. I understand that unexpected things happen, so if you cannot make it to class (excused/documented absence) or you have to arrive late, let me know as soon as possible via email.

**Cell Phone Use in the classroom:**  Instructor’s choice

**Communication:**  You must always email me with your @dcccd.edu email account and to my @dcccd.edu account. Otherwise, I might not be able to get back to you on time.

**Withdrawing from this class:**  Last day to withdraw with a W grade is **4/16/2020 (R)**

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**STOP BEFORE YOU DROP:**  For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop.

You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution.
when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/6drop

Institutional Policies
All El Centro students are responsible for knowing and adhering to the following institutional and course-related policies:

Institutional Policies relating to this course can be accessed from the following link
www.elcentrocollege.edu/syllabipolicies

Institutional Links

Click for Learning Center Tutoring and Resources
URL: https://www.elcentrocollege.edu/aboutec/campus-information/locations/west-campus/pages/learning-center-tutoring.aspx
El Centro College-Learning Center: 214-860-2133

Click for DownTown Testing Center
URL: https://www.elcentrocollege.edu/services/academic-support/testing-centers/pages/default.aspx
El Centro College-Testing Center: 214-860-2178

Click for the El Centro College Student Handbook
URL: http://alt.elcentrocollege.edu/students/student-handbook

Click for a list of services available to all El Centro College students
URL: https://docs.google.com/document/d/1gBDQUwgFb2db2LEwzcBNbyGt7WKnjZ2_aaVT03R_bd8/edit

Disclaimer:
The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.