Instructor Information

Instructor: ___________  Phone: ___________
Office: ___________  Email: ___________
Office hours: ___________

Course Information

COURSE TITLE: Calculus for Business & Social Sciences
COURSE NUMBER: MATH 1325
CREDIT HOURS: Three credit hours

COURSE PREREQUISITE: MATH 1314/1414 – College Algebra or
MATH 1324/1424 – Mathematics for Business and Social Sciences

COURSE DESCRIPTION: This course is the basic study of limits and continuity, differentiation,
optimization and graphing, and integration of elementary functions, with emphasis on applications in business,
economics, and social sciences. This course is not a substitute for MATH 2313 or 2413, Calculus I. This course
is cross-listed as MATH 1425. The student may register for either MATH 1325 or MATH 1425 but may receive
credit for only one of the two. (3 Lec.)

REQUIRED SOFTWARE (eText automatically included):

TBA

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
- Instructor’s choice: ___________________________

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 –</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Apply calculus to solve business, economics, and social sciences problems.</td>
<td></td>
</tr>
<tr>
<td>2. Apply appropriate differentiation techniques to obtain derivatives of various functions, including logarithmic and exponential functions.</td>
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<tr>
<td>3. Solve application problems involving implicit differentiation and related rates.</td>
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<tr>
<td>4. Solve optimization problems with emphasis on business and social sciences applications.</td>
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<tr>
<td>5. Determine appropriate technique(s) of integration.</td>
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<tr>
<td>6. Integrate functions using the method of integration by parts or substitution, as appropriate.</td>
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</tr>
<tr>
<td>7. Solve business, economics, and social sciences applications problems using integration</td>
<td></td>
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</tbody>
</table>

Course Activities and Evaluation Procedures:

I. **Unit Exams**: There will be _____ Unit Exams worth ______ points each. Exams may have to be taken outside of classroom time in the Assessment Center located in the basement.
   *Instructor’s procedure: _______________________

II. **Online homework**: Short quizzes and/or homework will be assigned regularly using ____________ 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.
   *Instructor’s procedure: _______________________

III. **Final Exam**: A comprehensive departmental exam will be worth _____ 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
   *Instructor’s procedure: _______________________

IV. **Instructor’s Choice**: _______________________

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10/23/2019
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.

Grading Policy:

<table>
<thead>
<tr>
<th>Grade Calculation (in points)</th>
<th>Final grades will be recorded using the following scale:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test 1</td>
<td>Course average = Sum of all points, divided by the</td>
</tr>
<tr>
<td>Test 2</td>
<td>Total Number of Points. Points will be rounded to the</td>
</tr>
<tr>
<td>Test 3</td>
<td>nearest whole number.</td>
</tr>
<tr>
<td>Final Exam</td>
<td>A: 90-100 average</td>
</tr>
<tr>
<td>Online Grade</td>
<td>B: 80-89 average</td>
</tr>
<tr>
<td>Instructor’s Choice</td>
<td>C: 70-79 average</td>
</tr>
<tr>
<td>Total Points:</td>
<td>D: 60-69 average</td>
</tr>
</tbody>
</table>

Attendance Policy: Attendance on time and for the whole class period is required. Instructor’s Choice

Cell Phone Use in the classroom: Cell phone use in the classroom is not permitted. Please place your phone away and out of sight/ Instructor’s Choice

Withdrawing from this class:

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.

* Drop date for Spring 2020 is 4/16/2020 (Thursday).

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://www.dcccd.edu/apply-reg/reg/pages/dropwithdraw.aspx
Institutional Links

**Click for Learning Center Tutoring and Resources**  
URL: https://www.elcentrocollege.edu/services/academic-support/tutoring/pages/default.aspx

**Click for DownTown Testing Center**  
URL: https://www.elcentrocollege.edu/services/academic-support/testing-centers/pages/default.aspx

**Click for West Campus Testing Center**  
URL: https://www.elcentrocollege.edu/aboutecc/campus-information/locations/west-campus/pages/testing-center.aspx

**Click for Course Related Institutional Policies**  
URL: http://alt.elcentrocollege.edu/admissions/schedule/syllabus/Course-Related-Policies.pdf

**Click for El Centro College Institutional Policies**  
URL: http://alt.elcentrocollege.edu/admissions/schedule/syllabus/Institutional-Policies.pdf

**Click for the Title IX and Sexual Misconduct Policy**  
URL: http://alt.elcentrocollege.edu/students/title-ix-and-sexual-misconduct

**Click for the El Centro College Student Handbook**  
URL: https://www.elcentrocollege.edu/slifeecc/pages/student-handbook.aspx

**Click for a list of services available to all El Centro College students**  
URL: https://www.elcentrocollege.edu/slifeecc/servicesdirectory/pages/default.aspx

**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.