Instructor Information

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

Course Information

COURSE TITLE: PRECALCULUS
COURSE NUMBER: MATH 2412
CREDIT HOURS: Four credit hours

COURSE PREREQUISITE: Math 1316, Trigonometry or Equivalent

COURSE DESCRIPTION: This course consists of the study of algebraic and trigonometric topics including polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs. Conic sections, polar coordinates, and other topics of analytic geometry will be included. (4 Lec.)

REQUIRED TEXTBOOK AND SOFTWARE:

Precalculus, 10th edition by Michael Sullivan
ISBN: 9780321979070

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 – Precalculus, 10th edition by Michael Sullivan</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Demonstrate and apply knowledge of properties of functions.</td>
<td>2.1 – 2.5</td>
</tr>
<tr>
<td>2. Recognize and apply algebraic and transcendental functions and solve related equations.</td>
<td>4.1 – 4.3, 4.5 – 4.6, 5.1 – 5.9, 7.3, 11.1, 11.5 – 11.6</td>
</tr>
<tr>
<td>3. Apply graphing techniques to algebraic and transcendental functions.</td>
<td>2.5, 3.3, 3.5, 5.3 – 5.4, 6.4 – 6.6</td>
</tr>
<tr>
<td>4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.</td>
<td>6.1 – 6.3, 7.1 – 7.2</td>
</tr>
<tr>
<td>5. Prove trigonometric identities.</td>
<td>7.4 – 7.7</td>
</tr>
<tr>
<td>6. Solve right and oblique triangles.</td>
<td>8.1 – 8.4</td>
</tr>
</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**: ___________________________
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><em>Course average</em> = <em>Sum of all points, divided by the</em></td>
</tr>
<tr>
<td>Test 2…………………………___</td>
<td><em>Total Number of Points</em>. <em>Points will be rounded to the</em></td>
</tr>
<tr>
<td>Test 3…………………………___</td>
<td><em>nearest whole number.</em></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>
<tr>
<td></td>
<td>F: below 60 averages</td>
</tr>
</tbody>
</table>

Attendance Policy: Attendance on time and for the whole class period is required.

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

Withdrawing from this class:

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 (R).

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.