MATH 142.001: PRECALCULUS
Fall 2012

CONTACT INFORMATION:

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Office Hours : MW 11:00-11:50am & 1:15-2:05pm (Commerce),
               TR 6:30-7:20pm (MPLX), otherwise by appt.

DESCRIPTION AND POLICIES:

1. Class Schedule: MWF 9:00-9:50am, BIN 302.


3. Website: An eCollege website has been created for the course which may be
   accessed from student myLEO accounts following the eCollege, and then the
   My Courses tabs. All files and documents that the instructor shares with the
   class will be posted in the Doc Sharing folder in that course website.

4. Catalogue Description: Trigonometric functions and their graphs; radian mea-
   surement; solution of triangles; identities; logarithmic and exponential func-
   tions; trigonometric equations; applications of trigonometry; conic sections
   and their graphs. Prerequisite: High school geometry and two years of high
   school algebra or Math 141.

5. Software & Tools: A graphing calculator (TI-84) is required for the course. It
   will be used to visualize concepts and problems, and carry out numerical com-
   putations during the classroom discussions and in homework assignments,
   projects and tests. You should have your calculator with you for each class
   period. The department has set up a calculator loan program in case if you
   need to borrow one (for $10 per semester).

6. Homework and Quizzes: Homework will be assigned in every class meeting
   on a regular basis. All assignments will be due the next class day. Selected
   assignments and problems will be graded only, but all homework problems
   should be worked out. You may work in groups unless otherwise instructed,
   however the paper you turn in must be your own work. Late homework is not
   accepted. Pop-quizzes may be given. Homework and quiz score will make 50
   points of the final grade.
7. **Tests & Projects:** There will be two tests/projects (100 points each) and a comprehensive final (200 points). Test problems will be similar to homework exercises. No make-up test will be given without an official, written, university accepted excuse. The student must contact the instructor the next working day and present the documented excuse to make up a test.

8. **Learning Outcomes:** Students who complete this course successfully will
   a) learn the *terminology* of trigonometry;
   b) learn the *methods* used in the field of trigonometry;
   c) learn the *applications* of theoretical results to practical problems.

9. **Tentative Course Outline:**
   1. Fundamentals (Chapter 1)
   2. Functions (Chapter 2)
   3. Trigonometric Functions: Unit Circle (Chapter 5)
   4. Trigonometric Functions: Right Angle (Chapter 6)
   5. Analytic Trigonometry (Chapter 6)
   6. Polar Coordinates and Parametric Equations (Chapter 8)
   7. Conc Sections (Chapter 11)

10. **Tentative Exam Schedule:**
    Test 1  100 pts  Friday October 05, 2012  in class
    Test 2  100 pts  Friday November 16, 2012  in class
    Final   200 pts  Wednesday December 12, 2012  8:00-10:00am

11. **Grade Distribution:** Each test and homework is worth 100 points and the final is worth 200 points. The test scores and bonus quiz scores will be added and a letter grade will be assigned according to the following table.

<table>
<thead>
<tr>
<th>Letter</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
<td>406 - 450 pts</td>
</tr>
<tr>
<td>B</td>
<td>361 - 405 pts</td>
</tr>
<tr>
<td>C</td>
<td>316 - 360 pts</td>
</tr>
<tr>
<td>D</td>
<td>271 - 315 pts</td>
</tr>
<tr>
<td>F</td>
<td>0 - 270 pts</td>
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</tbody>
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12. **Math Skills Center:** It is recommended that the student takes advantage of the Math Skills Center for free one-on-one tutoring. The Lab hours for Fall 2012 semester are
    M & W  8:00am - 8:00pm  BIN 328
    T & R  8:00am - 6:00pm  BIN 328
    F      8:00am - 3:00pm  BIN 328

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13. **Other Important Dates:**
   - November 22-23, 2012  Thanksgiving holiday
   - November 01, 2012  Last day to drop a class
   - November 30, 2012  Last day to withdraw from Fall 2012
   - December 07, 2012  Last class day

14. **Miscellaneous:** Your enrollment in this course indicates that you agree to observe all the conditions and regulations of this syllabus and the Student Handbook. Your test and homework scores may be filed to be used anonymously for educational research.

   Students are required to attend every class meeting and be punctual. Policies pertaining to absences, tardiness and scholastic dishonesty are identical to TAMU-Commerce regulations given in the Student Handbook. All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment (See Student’s Guide Handbook, Policies and Procedures, Conduct). Disruptive behavior (including use of electronic devices in classroom) and scholastic dishonesty in any form will not be tolerated.

   Students requesting accommodations for a disability should contact the Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library, Room 132, Phone: (903) 886-5150 or (903) 886-5835, Fax: (903) 468-8148, or Email: StudentDisabilityServices@tamuc.edu.

   Any possible changes to be made in this syllabus by the instructor during the semester will be announced in class.