Trigonometry Math 1316.W01  
Department of Mathematics and Statistics  
Fall 2015  
*Syllabus – Subject to Change*

A. **COURSE INFORMATION**
   - **Course number/section:** Math 1316.W01
   - **Class meeting time:** Online – Begin Date October 15\textsuperscript{th}  
     End Date December 1\textsuperscript{st}
   - **Class location:** Online
   - **Course Website:** BlackBoard and MyLabsPlus: [http://tamucc.mylabsplus.com](http://tamucc.mylabsplus.com)

B. **INSTRUCTOR INFORMATION**
   - **Instructor:** Sheri Asbury, M.S.
   - **Office location:** Hammerhead #4
   - **Office hours:** Monday and Wednesday 1:00 PM to 3:00 PM  
     Friday 10:00 AM to 11:00 AM
   - **Telephone:** 361-825-3265
   - **e-mail:** sheri.asbury@tamucc.edu
   - **Appointments:** If you need to schedule an appointment with me, please email me.

C. **COURSE DESCRIPTION**
   - **Catalog Course Description**
     This course covers Trigonometric functions, identities, equations involving trigonometric functions, solutions of right and oblique triangles.

D. **PREREQUISITES AND COREQUISITES**
   - **Prerequisites**
     Math 1314 or placement into Math 1316

E. **REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES**
   - **Required Textbook/Software:**
     Pearson MyLabsPlus Student Access Kit is mandatory.

   - **Optional Textbook(s) or Other References**
     *Trigonometry, 10\textsuperscript{th} Edition* by Margaret Lial published by Pearson. The purchase of this book is optional because an eBook is located in the MyLabsPlus course framework.

   - **Supplies**
     TI 83/84 Plus Graphing Calculator. Other calculators will not be supported by the instructor.
F. **STUDENT LEARNING OUTCOMES AND ASSESSMENT**

Assessment is a process used by instructors to help improve learning. Assessment is essential for effective learning because it provides feedback to both students and instructors. A critical step in this process is making clear the course’s student learning outcomes that describe what students are expected to learn to be successful in the course. The student learning outcomes for this course are listed below. By collecting data and sharing it with students on how well they are accomplishing these learning outcomes students can more efficiently and effectively focus their learning efforts. This information can also help instructors identify challenging areas for students and adjust their teaching approach to facilitate learning.

Upon successful completion of this course, students will:
1. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
2. Graph trigonometric functions and their transformations.
3. Prove trigonometric identities.
4. Solve trigonometric equations.
5. Solve right and oblique triangles.
6. Use the concepts of trigonometry to solve applications.

G. **INSTRUCTIONAL METHODS AND ACTIVITIES**

Students will use MyLabsPlus independently to watch lecture videos, complete homework assignments and take tests. At the end of the semester, students will show competency by passing all assignments, quizzes, tests and the final exam with a score of 60% or better. Please see note regarding the final exam below the Course Schedule in item I of this syllabus.

H. **MAJOR COURSE REQUIREMENTS AND GRADING**

The student learning outcomes described in Section F will be measured via progress on homework, quizzes, tests and the final exam. Every problem in the homework can be worked multiple times until a correct answer is achieved. There is no reason not to obtain a 100 on every homework assignment. The final exam is comprehensive and is written by the Mathematics Department. All students will take a common final exam. I do expect you to remember all concepts that I teach as noted on this syllabus.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Quizzes/Tests</td>
<td>55%</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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</tbody>
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Mathematics Department Policy - Proctored Final Exam on Tuesday, December 1st from 2:00 PM to 4:30 PM on TAMUCC Campus.
### I. COURSE CONTENT/SCHEDULE (Tentative)

<table>
<thead>
<tr>
<th>DATE (BY DAY OR WEEK)</th>
<th>TOPIC</th>
<th>CHAPTER(S)</th>
<th>ASSIGNMENTS In MLP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Trigonometric Functions</td>
<td>Chapter 1, Chapter 2</td>
<td>Sections 1.1, 1.2, 1.3, 1.4 Sections 2.1, 2.2</td>
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<tr>
<td></td>
<td>Acute Angles and Right Triangles</td>
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<tr>
<td>Week 2</td>
<td>More Acute Angles and Right Triangles</td>
<td>Chapter 2</td>
<td>Sections 2.3, 2.4, 2.5, Quiz and Exam 1 Sections 3.1, 3.2, 3.3, and 3.4</td>
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<tr>
<td></td>
<td>Exam 1 over Chapters 1 &amp; 2 Radian Measure and the Unit Circle</td>
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<tr>
<td>Week 3/4</td>
<td>Exam 2 over Chapter 3 Graphs of Circular Functions</td>
<td>Chapter 4, Chapter 5</td>
<td>Quiz and Exam 2, Sections 4.1, 4.2, 4.3 Sections 5.1, 5.2, 5.3, 5.4, 5.5</td>
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<tr>
<td></td>
<td>Trigonometric Identities</td>
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<tr>
<td>Week 5/6</td>
<td>Exam 3 over Chapters 4 &amp; 5 Inverse Circular Functions and Trigonometric Equations</td>
<td>Chapter 5, Chapter 6</td>
<td>Quiz and Exam 3, Sections 6.1, 6.2, 6.3 Sections 7.1, 7.2, 7.3, 7.4</td>
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<tr>
<td>Week 7</td>
<td>Exam 4 over Chapter 6 &amp; 7</td>
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<td>Quiz and Exam 4</td>
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<td>End 10/1</td>
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</tr>
<tr>
<td>Tuesday, December 1st</td>
<td>Proctored Final Exam From 2:00 PM to 4:30 PM Mathematics Department Policy</td>
<td><em>This date and time is subject to change.</em></td>
<td>Final Exam is Proctored on TAMUCC Campus</td>
</tr>
</tbody>
</table>

**Proctored Final Exam – Mathematics Department Policy:** Tuesday, December 1st from 2:00 PM to 4:30 PM on TAMUCC campus with room assignment to be announced. Final Exam must be taken on Campus. Students living more than 4 hours driving distance from Corpus Christi may arrange for a certified proctor. I recommend using a testing center at a community college or university. If you live more than 4 hours driving distance from the Corpus Christi campus, then please send me your proctoring site information by Monday, November 1st. I will need the
proctoring institution’s name and the contact information which includes the address and phone number. The deadline is firm. Students taking a proctored test will take a written exam on the date listed above and those written materials will be mailed back to the Mathematics Department here at Texas A&M Corpus Christi. Information on testing centers is available at https://iol.tamucc.edu/onlinetesting_students.html.

Note: Changes in this course schedule may be necessary and will be announced to the class by the Instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.

J. COURSE POLICIES

Attendance/Tardiness
There are no excused absences. Even if you have an emergency, you are responsible for what is due that week. Assignments are available 24 hours per day for the entire week it is due. There will be no excuses for missing assignments unless it is an absolute emergency with documentation. Remember that I am the one determining what constitutes an emergency.

Late Work and Make-up Exams
I do not allow make up on missed exams. You will receive a zero for any missed exam. Plan carefully. One exam will be dropped at the end of the semester.

Extra Credit
I do not offer extra credit. You are provided with the assignments and must use your time wisely.

K. COLLEGE AND UNIVERSITY POLICIES

- **Academic Integrity (University)**
  University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a failing grade.

- **Classroom/Professional Behavior**
  Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This
prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

- **Statement of Civility**
  Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

- **Deadline for Dropping a Course with a Grade of W (University)**
  The grade of W will be assigned to any student officially dropping a course. Please consult with the instructor before you decide to drop to be sure it is the best thing to do. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Should dropping the course be the best course of action, visit the Office of the University Registrar for the Course Drop Form that must submitted. No student is eligible to receive a W without completing the official drop process by this deadline. Please consult the Academic Calendar (http://www.tamucc.edu/academics/calendar/) for the last day to drop a course.

- **Grade Appeals (College of Science and Engineering)**
  As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at http://www.tamucc.edu/provost/university_rules/index.html, and the College of Science and Engineering Grade Appeals webpage at http://sci.tamucc.edu/students/GradeAppeal.html. For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

- **Disability Services**
  The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you
believe you have a disability requiring an accommodation, please call (361) 825-5816 or visit Disability Services in Corpus Christi Hall 116.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

http://disabilityservices.tamucc.edu/

- **Statement of Academic Continuity**
  In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

- **Other Important Information**
  **Final Exams (University)**
  As stated in University Procedure 13.99.99.C4.01, final examinations must be scheduled during the regularly scheduled examination time listed in the official class schedule. If papers or take-home examinations are assigned in lieu of a final examination, the due date must be at the regularly scheduled examination time listed in the official class schedule. If final presentations or final critiques assigned in lieu of final examinations require multiple days to complete, then the final day for the critiques/presentations must occur on the regularly scheduled exam day.
  2.2 Students are not required to take more than two final examinations in any one day. Any student with three or more final examinations scheduled on the same day may request to take one of the examinations on another day during the final examination period. The process is described below.
  A) The student should first try to resolve the matter with the appropriate instructor(s).
  B) If the matter remains unresolved, the student should submit a request for an alternative final exam time in writing to the Office of Student Affairs. This request must be submitted by the drop date (the last day to drop a course for the semester with an automatic grade of W as stated in the semester class schedule).
  C) The Office of Student Affairs will select which of the exams should be taken at an alternative time and formally contact the faculty member at least 15 working days before the final examination period. Preference for selection of which course would have an alternative final exam time must be based on the course with the smaller class size and, then, courses with final exam times in between other exams.
  D) The faculty member will then arrange an alternative time for the student to take the final exam for that course that does not conflict with the student’s final exam schedule or require the student to take more than two final exams in one day. If
students have difficulties in rescheduling the examination, they should consult with the Office of Student Affairs. Final exams given outside the regularly scheduled time may vary in content and format at the discretion of the faculty member.

L. OTHER INFORMATION

- Academic Advising
  The College of Science & Engineering requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. Meetings are by appointment only; advisors do not take walk-ins. Please call or stop by the Advising Center to check availability and schedule an appointment. The College’s Academic Advising Center is located in Center for Instruction 350 or can be reached at (361) 825-3928.

GENERAL DISCLAIMER

I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.