Math 1316.W01
Mathematics Department
Spring 2015
Syllabus – Subject to Change

A. COURSE INFORMATION

Course number/section: Math 1316.W01
Class meeting time: Online – Begin Date March 16th End Date May 8th
Class location: Online
Course Website: BlackBoard and MyLabsPlus: http://tamucc.mylabsplus.com

B. INSTRUCTOR INFORMATION

Instructor: Sheri Asbury, M.S.
Office location: CI351
Office hours: MWF 10:00-11:00 and MW 2:00-3:00
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, 10th 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>
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<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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## 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>
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</thead>
</table>
| **Week 1**            | Trigonometric Functions  
Acute Angles and Right Triangles | Chapter 1  
Chapter 2 | Sections 1.1, 1.2, 1.3, 1.4  
Sections 2.1, 2.2 |
| **Week 2**            | More Acute Angles and Right Triangles  
Exam 1 over Chapters 1 & 2 | Chapter 2 | Sections 2.3, 2.4, 2.5  
Sections 3.1, 3.2 |
| **Week 3/4**          | Radian Measure and the Unit Circle  
Exam 2 over Chapter 3 Graphs of Circular Functions | Chapter 3  
Chapter 4 | Sections 3.3, 3.4  
Sections 4.1, 4.2, 4.3 |
| **Week 5/6**          | Trigonometric Identities  
Exam 3 over Chapters 4 & 5 Inverse Circular Functions and Trigonometric Equations | Chapter 5  
Chapter 6 | Sections 5.1, 5.2, 5.3, 5.4, 5.5  
Sections 6.1, 6.2 |
| **Week 7/8**          | Inverse Circular Functions and Trigonometric Equations  
Exam 4 over Chapter 6 & 7 Applications of Trigonometry and Vectors | Chapter 6  
Chapter 7 | Sections 6.3  
Sections 7.1, 7.2, 7.3, 7.4 |
| **Week 8**            | Final Exam | | |

Final Exam: Friday, May 8th with Time and Location 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. If you will be using a proctor please submit your testing information to me and have the testing center contact me at sheri.asbury@tamucc.edu at least 10 days before the final exam. The deadline is firm. Students taking a proctored test will take a written exam on May 8th and those written materials will be mailed back to the Department. Information on testing centers is available at [https://iol.tamucc.edu/onlinetesting_students.html](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)
  It is expected that university students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior.
  See Full University Policy at http://catalog.tamucc.edu/content.php?catoid=10&navoid=313#Academic_Integrity

• 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 by Friday, April 10, 2015. No student is eligible to receive a W without completing the official drop process by this deadline. Visit the Office of the University Registrar for the Course Drop Form that must submitted. After April 10, 2015 a student will not be allowed 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**
  Disability Services (DS) is the hub for coordinating services and accommodations to ensure accessibility and utilization of all programs for all Texas A&M University-Corpus Christi students with disabilities. Our services are designed to meet the unique educational needs of enrolled students with documented permanent or temporary disabilities. DS provides intake and consultation services to students seeking to register with our office. DS reviews an individual’s documentation of disability and assesses eligibility for services and the determination of reasonable accommodations. For more information visit the Disability Services Office at 116 Corpus Christi Hall or go to http://disabilityservices.tamucc.edu/

**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.