MATH1316.001  Trigonometry  
Department of Mathematics and Statistics  
Summer II 2017 (07/03 – 08/04)

A. COURSE INFORMATION
   Course number/section:  Math 1316.001
   Class meeting time:       MTWR 12:00 ~ 1:53 PM
   Class location:            IH-157
   Course Website:       bb9.tamucc.edu

B. INSTRUCTOR INFORMATION
   Instructor:  Baohua Chen
   Office location:  CI-306
   Office hours:   MW 9:00-11:30 AM
   Telephone:       (361) 825-6019
   Email:          baohuac.chen@tamucc.edu
   Appointments:   

C. COURSE DESCRIPTION:
   A more rapid treatment of the material in MATH 1314. Topics include trigonometric functions, identities, equations involving trigonometric functions, solutions of right and oblique triangles.

D. PREREQUISITES AND COREQUISITES
   MATH 1314 or placement into MATH 1316. There are no co-requisites.

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES
   Software: MyLabsPlus access for the homework assignments. A link will be provided on campus. Access may be purchased through the link or from the campus bookstore. This includes an e-book of the text.
   Calculator: Any graphing calculator will help you. I will support the TI-84. The calculator will serve as a tool for understanding and solving problems encountered in this course.

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:

- Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degree and radians.
- Graph trigonometric functions and their transformations.
- Prove trigonometric identities.
- Solve trigonometric equations.
- Solve right and oblique triangles.
- Use the concepts of trigonometry to solve applications.

G. INSTRUCTIONAL METHODS AND ACTIVITIES

Methods and activities for instruction include:

- Instructional presentation of new material and concepts,
- Class discussion and problem solving analysis using critical thinking techniques,
- Individual written assignments to enhance understanding of new concepts,
- Discovery method techniques supported by a graphing calculator to view the effects of shifting and translation concepts on the trigonometric functions.

H. MAJOR COURSE REQUIREMENTS AND GRADING

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Final Exams</td>
<td>25%</td>
</tr>
<tr>
<td>Tests</td>
<td>60%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Attendance</td>
<td>5%</td>
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</tbody>
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Attendance: MANDATORY
Grading scale: A: 90 – 100, B: 80 – 89.99, C: 70 – 79.99, D: 60 – 69.99, F: 59.98 -

I. COURSE CONTENT/SCHEDULE

Important dates:

<table>
<thead>
<tr>
<th>July 4</th>
<th>Independence Day Holiday, No class</th>
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<tbody>
<tr>
<td>July 24</td>
<td>Last day to drop a class</td>
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<tr>
<td>July 5</td>
<td>Last day to register or add a class</td>
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<tr>
<td>August 4</td>
<td>Final Exam</td>
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<table>
<thead>
<tr>
<th>Weeks</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
</tr>
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<tbody>
<tr>
<td>Week 1</td>
<td>syllabus, 1.1, 1.2</td>
<td>No Class</td>
<td>1.3, 1.4, work on homework</td>
<td>2.1, 2.2, 2.3</td>
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<tr>
<td>Week 2</td>
<td>2.4, 2.5, Review</td>
<td>Test1</td>
<td>3.1, 3.2, 3.4, work on homework</td>
<td>3.3, 4.1, work on homework</td>
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<tr>
<td>Week 3</td>
<td>4.2, 4.3, Review</td>
<td>Test2</td>
<td>5.1, 5.2, work on homework</td>
<td>5.3, 5.4, work on homework</td>
</tr>
<tr>
<td>Week 4</td>
<td>5.5, Review</td>
<td>Test3</td>
<td>6.1, 6.2, work on homework</td>
<td>6.3, 7.1 Review</td>
</tr>
<tr>
<td>Week 5</td>
<td>7.2, 7.3, work on homework</td>
<td>7.4, Review of</td>
<td>Review for Final</td>
<td>Prepare for Final Exam</td>
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<td></td>
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<td>Chapter 6, 7</td>
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J. **COURSE POLICIES**

- Attendance is mandatory. Attendance will be checked each class period and each absence after 6th time will result in one letter grade lower (12th absence will result in two-letter grade lower). Please save absences for emergencies.

- Homework will be given each class period through MyLabsPlus, and discussed at the beginning of next class period. Any questions that you may have related to homework will be answered during office hours if time does not permit in class.

- Late homework will not be accepted, unless exceptional circumstances prevent you from completing them. Extension of deadlines will be at the instructor’s discretion. Late assignments may result in partial or total loss of credit.

- Cell phone using is prohibited in any circumstances.

- Laptops, or any form of a new technology device is NOT allowed in the classroom during lecture and exam. **ANY USE OF A CELL PHONE OR WIRELESS DEVICE DURING A TEST CARRIES THE PRESUMPTION OF CHEATING. A GRADE OF 0 WILL BE AWARDED FOR THAT ASSIGNMENT FOR USING, TOUCHING OR GLANCING AT A CELL PHONE OR WIRELESS DEVICE.**

- Cheating is strongly prohibited. If I caught someone cheating during any test, students may drop the class without my permission. If not, normally it is an “F” for the semester grade.

- You are the only person responsible to drop the class and responsible to stay inform for any changes for tests and room changes. All the changes will be announced in the class.

- Email is available to each student. You may email me for help any time but not the night before the scheduled test neither the possible chance to postpone the test. I will answer it in my best convenient time.

- Makeup test will be given **once per student** with appropriate documentation provided. Please save the opportunity for the emergencies.

- **There is no makeup for any test which includes the final exam unless you could provide proper documentation from either medical doctors or any court orders.** For an absence to be considered excused, the student must notify his or her instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible (e.g. accident or emergency) the student must provide notification by the end of the second working day after the absence. **Without taking final exam, it will be an “F” for the semester grade regardless.**

- Final exam score will replace the student’s lower score in test (unless the final score is lower than two test scores)

- Help: CASA has many quality tutors to help you while you need someone beside my office hours. Welcome to visit those tutors at the second floor of library. Please find out their schedule first before you make a plan to go for this semester. I will be happy to work with you anytime during my office hours and also email me for your special needs. Good luck to everyone in the class.
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.

- Student 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 of 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 thing, 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.

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 and
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.