PreCalculus Math 2312.001
Department of Mathematics and Statistics
Spring 2017

A. COURSE INFORMATION
   Course number/section: MATH 2312.001
   Class meeting time: MWF 9:00-9:50 AM
   Class location: CI-113
   Course Website: bb9.tamucc.edu

B. INSTRUCTOR INFORMATION
   Instructor: Baohua Chen
   Office location: CI 306
   Office hours: WF 1:00-3:30 pm
   Telephone: 361-825-6019
   E-mail: baohua.chen@tamucc.edu
   Appointments: Appointments outside of office hours are available by request

C. COURSE DESCRIPTION
   A more rapid treatment of the material in MATH 1314 and MATH 1316, this course is
   designed for students who wish a review of the above material, or who are very well
   prepared. Functions, graphs, trigonometry, and analytic geometry.

D. PREREQUISITES AND COREQUISITES
   MATH 1314 (College Algebra) or placement into MATH 2312.

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES
   Textbook: Pre-Calculus-A Right Triangle Approach, 6th Ed., by Lial, Hornsby, Schneider,
   and Daniels, Pearson Publisher.

   Calculator: Any graphing calculator will help you. I will support the TI-89. 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 students 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 should be able to:
1. Demonstrate and apply knowledge of properties of functions.
2. Recognize and apply algebraic and transcendental functions and solve related equations.
3. Apply graphing techniques to algebraic and transcendental functions.
4. Compute the values of trigonometric functions for key angles in all quadrants of the unit-circle measured in both degrees and radians.
5. Prove trigonometric identities.
6. Solve right and oblique triangles.

G. INSTRUCTIONAL METHODS AND ACTIVITIES

Methods and activities for instruction include lecture by the instructor and participation by the students by doing problems in class.

- **Homework**: Homework will be assigned after each class through Mymathlab. No homework in those weeks in which there is a test. Any questions that you may have related to homework will be answered in class.

- **Test**: There will be two 50-minute in-class tests
  Test 1: 9:00-9:50 pm, Friday, February 17th
  Test 2: 9:00-9:50 pm, Wednesday, April 12th

- **Midterm Exam**: 9:00-9:50 pm, Friday, March 10th
- **Final Exam**: 11:00 am-1:30 pm, Monday, May 8th

H. MAJOR COURSE REQUIREMENTS AND GRADING

Grades will be calculated by homework, test, and exam, according to the following percentages.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test1</td>
<td>10%</td>
</tr>
<tr>
<td>Test2</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Attendance</td>
<td>10%</td>
</tr>
</tbody>
</table>

Your final grade will be assigned according to the following table:

*Percentage Grade*

<table>
<thead>
<tr>
<th>Percentage Grade</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
<td>≥90.0%</td>
<td>A</td>
</tr>
<tr>
<td>≥80.0%</td>
<td>B</td>
</tr>
<tr>
<td>≥70.0%</td>
<td>C</td>
</tr>
<tr>
<td>≥60.0%</td>
<td>D</td>
</tr>
<tr>
<td>Below 60%</td>
<td>E</td>
</tr>
</tbody>
</table>
I. COURSE CONTENT/SCHEDULE

Important dates:

- January 18           First Day of Classes
- February 17          Test 1
- March 10             Midterm Exam
- March 13-17          Spring Break
- April 7              Last Day to Drop a Class
- April 12             Test 2
- May 2                Last Day of Classes
- May 8                Final Exam 11:00 am-1:30 pm

Course Schedule:

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Syllabus and Review</td>
</tr>
<tr>
<td>Week 2</td>
<td>R3/R4, R5/R6, R7</td>
</tr>
<tr>
<td>Week 3</td>
<td>1.1, 1.4, 1.7, 1.8</td>
</tr>
<tr>
<td>Week 4</td>
<td>2.1, 2.3, 2.4, 2.6</td>
</tr>
<tr>
<td>Week 5</td>
<td>2.7, 2.8, Test1</td>
</tr>
<tr>
<td>Week 6</td>
<td>3.1, 3.4, 3.5</td>
</tr>
<tr>
<td>Week 7</td>
<td>4.1-4.3</td>
</tr>
<tr>
<td>Week 8</td>
<td>4.4-4.6 and Midterm</td>
</tr>
<tr>
<td>Week 9</td>
<td>No class, Spring Break</td>
</tr>
<tr>
<td>Week 10</td>
<td>5.2, 5.3</td>
</tr>
<tr>
<td>Week 11</td>
<td>5.4, 6.1, 6.2</td>
</tr>
<tr>
<td>Week 12</td>
<td>6.3-6.5</td>
</tr>
<tr>
<td>Week 13</td>
<td>Review and Test2</td>
</tr>
<tr>
<td>Week 14</td>
<td>7.1-7.4</td>
</tr>
<tr>
<td>Week 15</td>
<td>7.5-7.6, 8.1-8.2</td>
</tr>
<tr>
<td>Week 16</td>
<td>Review and Final Exam</td>
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</table>

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
  1. I will check the attendance in every class. Attendance is mandatory by Texas A&M University. Please save absences for emergencies.
  2. A student will receive a credit reduction (1-10 credits) based on their absence days in class meeting. If student has an excuse absence, then they need to notify the instructor within 24 hours and provide documentation.

• Late Homework Assignments
  Late assignments 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. There are NO make-ups for exams or in-class activities.

• No Make-up for Midterm/Final Exams
  Missed Exam:
  No make-ups will be given without written evidence of an Official University excused absence. 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. In the case of illness or injury, students are required to obtain a confirmation note from a health care professional affirming date and time of a medical office visit regarding the illness or injury.

• Extra Credit
  There will be no extra credit for this course.

• Cell Phone Use
  Please silence phone before coming to class. If you need to make a call, please go outside the classroom.

• Laptop Use
  Laptops, or any form of a new technology device is NOT allowed in the classroom during lecture and exam.

• Food in Class
  Food is not allowed in the classroom.

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*** be 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/](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](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](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/](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 an appointment. The College’s Academic Advising Center is located in Center for Instruction 350 or can be reached at (361) 825-3928.

**M. 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.