

First Day Handout for Students MATH 1316 Trigonometry – Spring 2012

Section & Synonym	Time	Room
007 (46795)	12 – 1:20 MW	PIN 610

Instructor Vicki Payne, Ph.D.
Office PIN 1021

Office Hours
MW 8 – 12
TH 10:20 – 10:55, 12:40 – 1:50
Thursday only 3:30 – 5
Other times by appointment.

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The best way to communicate with me is by email. Check my web site for first-day handouts, assignments, my; schedule, answers to worksheets, announcements, etc.

COURSE DESCRIPTION

MATH 1316 TRIGONOMETRY (3-3-0). This course is designed for students majoring in mathematics, science, engineering, or certain engineering-related technical fields. Content includes the study of trigonometric functions and their applications, trigonometric identities and equations, vectors, and the complex number system. Prerequisites: MATH 1314 (College Algebra with a C or better. A second option is an appropriate secondary school course (one semester of precalculus or trigonometry) and a satisfactory entrance score on ACC's Mathematics Assessment Test. A third option is an appropriate higher score on ACC's Mathematics Assessment Test. () Course Type: T

REQUIRED TEXTS/MATERIALS

Required Text *Trigonometry*, by Lial, Hornsby and Schneider, 9th edition (ISBN 10-321-52885-9)

Purchase options

- Purchase the required textbook alone, either used or new, from a local bookstore or online.
- The publisher provides a value package to the bookstores for the same price as the new textbook alone. The value package includes a new copy of the required text and a MyMathLab software access code. These packages will be available in the local bookstores. The ISBN for the package that included MyMathLab is 0-321-53600-2. See *Optional Materials* below for a description of MymathLab.
- MyMathLab can be purchased alone online for \$70 from <http://www.mymathlab.com/buying.html> and it includes an online version of the text.

Required Calculator Students need either a scientific or business calculator that has trigonometric functions. If a student cannot purchase one, calculators are available from the library. Graphing calculators are NOT required, but you will use graphing technology in some sections of the book. TI-89 calculators produce exact solutions and their use is NOT allowed on exams. Most ACC instructors are familiar with the TI family of graphing calculators. Therefore, TI calculators are highly recommended for student use. Other calculator brands can also be used. While graphing calculators can produce approximate values, students are required to work problems using good notation.

Optional Materials

- MyMathLab online software (includes an electronic version of the text, multimedia learning aids such as videos and animations, and practice tests that generate a personalized study plan) To use MyMathLab, you'll need your own access number and the Course ID. The course ID for this class is **payne25789**
- .
- Student Solution Manual, 9th ed. (ISBN: 0-321-53040-3)
- Links to videos that discuss material in each section are on my course on Blackboard.

COURSE RATIONALE

This course, which is intended for mathematics, science, and engineering majors, is designed to prepare students for the calculus sequence. The six trigonometric functions are studied with the goals of developing a deeper understanding of both general function behavior and periodic function behavior, exploring those applications that have trigonometric models, and acquiring further proficiency with symbol manipulation.

COURSE EVALUATION/GRADING SCHEME

There will be three (3) exams and a *required* comprehensive final exam. **There may be a problem from previous exams on exams after the first exam.** The three exams will each count 20%, the final will count 30%, and homework average will count 10% toward the grade for the course.

Homework will be collected each week and one or more problems will be graded. The three lowest homework grades will be dropped.

INSTRUCTIONAL METHODOLOGY This course is taught in the classroom primarily as a lecture/discussion course.

COURSE POLICIES

Missed exam policy The comprehensive final exam grade may replace one low or missed exam grade.

Late work policy No late work will be accepted.

Class participation expectations Each student is expected to participate in all course activities.

Reinstatement Policy If a student is withdrawn from the course, that student will not be reinstated.

Attendance Policy Students with excessive absences WILL NOT be dropped by the instructor. It is the student's responsibility to initiate all withdrawals in this course. **Students who stop attending and do not withdraw will receive an F.**

Withdrawal Policy It is the student's responsibility to initiate all withdrawals in this course. The instructor may withdraw students for excessive absences (4) but makes no commitment to do this for the student. After the last day to withdraw, **Monday, April 23, 2012**, neither the student nor the instructor may initiate a withdrawal.

Incomplete Grade Policy Incomplete grades (I) will be given only in very rare circumstances. Generally, to receive a grade of "I", a student must have taken all examinations, be passing, and after the last date to withdraw, have a personal tragedy occur which prevents course completion.

COMMON COURSE OBJECTIVES

Common course objectives can be found at: <http://www2.austin.cc.tx.us/mthdept2/tfcourses/obj1316.htm>

COURSE-SPECIFIC SUPPORT SERVICES Sometimes sections of MATH 0187 (1-0-2) are offered. This lab is designed for students currently registered in Calculus I MATH 2413. It offers individualized and group setting to provide additional practice and explanation. This course is not for college-level credit. Repeatable up to two credit hours.

LEARNING LABS ACC main campuses have Learning Labs which offer free first-come first-serve tutoring in mathematics courses. The locations, contact information and hours of availability of the Learning Labs are posted at: <http://www.austincc.edu/tutor>. The Learning Lab at the Pinnacle campus is in room PIN 600.

STATEMENT ON STUDENTS WITH DISABILITIES

Instructors are encouraged to add a statement about the letter of accommodation such as:

"Students who are requesting accommodation must provide the instructor with a letter of accommodation from the Office of Students with Disabilities (OSD) at the beginning of the semester. Accommodations can only be made after the instructor receives the letter of accommodation from OSD."

STATEMENT ON SCHOLASTIC DISHONESTY

Acts prohibited by the college for which discipline may be administered include scholastic dishonesty, including, but not limited to, cheating on an exam or quiz, plagiarizing, and unauthorized collaboration with another in preparing outside work. Academic work submitted by students shall be the result of their thought, work, research or self-expression. Academic work is defined as, but not limited to, tests or quizzes (whether taken electronically or on paper), projects (either individual or group), classroom presentations; and homework.

Students who violate the rules concerning scholastic dishonesty will be assessed an academic penalty that the instructor determines is in keeping with the seriousness of the offense. This academic penalty may range from a grade penalty on the particular assignment to an overall grade penalty in the course, including possibly an F in the course. ACC's policy can be found in the Student Handbook page 33 or on the web at:

http://www.austincc.edu/marketng/handbook/student_handbook_02-03.pdf.

STATEMENT ON STUDENT DISCIPLINE

Classroom behavior should support and enhance learning. **Please turn off cell phones while in class and limit leaving class unless it's an emergency.** Behavior that disrupts the learning process will be dealt with appropriately, which may include having the student leave class for the rest of that day. In serious cases, disruptive behavior may lead to a student being withdrawn from the class. ACC's policy on student discipline can be found in the Student Handbook page 32 or on the web at:

http://www.austincc.edu/marketng/handbook/student_handbook_02-03.pdf.

STATEMENT ON STUDENTS WITH DISABILITIES

Each ACC campus offers support services for students with documented physical or psychological disabilities. Students with disabilities must request reasonable accommodations through the Office of Students with Disabilities on the campus where they expect to take the majority of their classes. Students are encouraged to do this three weeks before the start of the semester.

Students who are requesting accommodation must provide the instructor with a letter of accommodation from the Office of Students with Disabilities (OSD) at the beginning of the semester. Accommodations can only be made after the instructor receives the letter of accommodation from OSD.

STATEMENT ON ACADEMIC FREEDOM

Institutions of higher education are conducted for the common good. The common good depends upon a search for truth and upon free expression. In this course the professor and students shall strive to protect free inquiry and the open exchange of facts, ideas, and opinions. Students are free to take exception to views offered in this course and to reserve judgment about debatable issues. Grades will not be affected by personal views. With this freedom comes the responsibility of civility and a respect for a diversity of ideas and opinions. This means that students must take turns speaking, listen to others speak without interruption, and refrain from name-calling or other personal attacks.

TESTING CENTER POLICY ACC Testing Center policies can be found at: <http://www.austincc.edu/testctr/>.

While exams are scheduled to be given in class, the Testing Center may be used for one exam when time is needed in class. You must have an ACC photo ID to take an exam in the Testing Center.

STUDENT SERVICES The web address for student services is: <http://www.austincc.edu/support>

The ACC student handbook can be found at: <http://www.austincc.edu/handbook>

SUGGESTED CALENDAR 16-Week Semester

Week 1	1.1, 1.2	Week 9	5.3, 5.4, 5.5
Week 2	1.3, 1.4, 2.1	Week 10	5.6, 6.1
Week 3	2.2, 2.3, 2.4	Week 11	6.2, 6.3
Week 4	2.5, Exam 1 (Chs 1 & 2)	Week 12	6.4, Exam 3 (Chs 5 & 6)
Week 5	3.1, 3.2, 3.3	Week 13	7.1, 7.2, 7.3
Week 6	3.4, 4.1, 4.2	Week 14	7.4, 7.5, 8.1
Week 7	4.3, 4.4	Week 15	8.2, 8.3, 8.4
Week 8	Exam 2 (Chs 3 & 4), 5.1, 5.2	Week 16	8.5 (optional), 8.6 (optional) Final Exam

Please note: Schedule changes may occur during the semester. Any changes will be announced in class.