

<b>INSTRUCTOR:</b>	David Goza	<b>E-MAIL:</b>	dgoza@alvincollege.edu
<b>OFFICE:</b>	NA	<b>PHONE:</b>	281-756-3784
<b>OFFICE HOURS:</b>	30 Minutes Before and After Class		
<b>WEBSITE:</b>	<a href="http://www.alvincollege.edu">www.alvincollege.edu</a>		

**WELCOME TO:**

**Course Title:** Technical Trigonometry

**Course Number:** TECM-1317-HY60

**Credit Hours:** 3

**Lecture Hours:** 6:30-7:50 Wednesday

**Lab Hours:** Hybrid

**Total Contact Hours:** 4

**Term and Year:** Spring 2017

**Class Days & Times:** 6:30-7:50 Wednesday Evening

**Classroom Location:** N-104

**A. COMMUNICATING WITH YOUR INSTRUCTOR**

The preferred method of communicating with your instructor is through the MyBlackboard e-mail. Explain what you need to discuss with me and leave your first and last name, a phone number or e-mail address where I can contact you. I will normally respond within 24 hours Monday-Thursday and by the next business day on Friday-Sunday.

**B. COURSE DESCRIPTION**

This course familiarizes students with Triangular measurements and calculations used in technical/industrial applications. Calculate right triangles and oblique triangles; convert between polar and rectangular vectors; add and subtract vectors; and analyze sine and cosine waveforms used in technical/industrial applications.

**C. STUDENT LEARNING OUTCOMES**

To develop an understanding and knowledge of mathematics as it pertains to the process industry which includes:

- Whole numbers, fractions and decimals
- Proportions, percentages and ratios
- Properties of plane and solid figures
- Basic and applied Trigonometry

**D. PRE-REQUISITE COURSES: MATH -1314**

**CO-REQUISITES: None**

**E. REQUIRED TEXTBOOK AND SUPPLEMENTAL READINGS**

No textbook is required. A calculator is required. The preferred calculator is a TI-30 SX II or equivalent.

For more information about the textbooks, including details about how to order your book online and have it delivered to you, visit the ACC College Store at [www.alvincstore.com](http://www.alvincstore.com).

**F. COURSE OUTLINE**

A course outline/schedule is on the last page of this document and will also be available in MyBlackBoard.

**G. EXAMS AND MAJOR ASSIGNMENTS**

There are two major exams and 1 Final Exam.

**H. POLICIES ABOUT COURSEWORK AND DEADLINES**

Late work will not be accepted. Students are expected to have their assignments completed by the due dates.

**I. GRADING SUMMARY**

Your grade is based on the TOTAL of the points you received on all course assignments and activities. Always notify your instructor if you are concerned with your grades or your status in the class.

	<b>Points</b>
<i>First Assignment</i>	<i>100</i>
<i>Attendance</i>	<i>160</i>
<i>Quiz Total</i>	<i>800</i>
<i>Exams</i>	<i>300</i>
<b>Total</b>	<b>1360</b>

<b>Percent</b>	<b>Total Points</b>	<b>Grade</b>
100-90%	1250-1125	A
89-80%	1124-1000	B
79-70%	1099-875	C
69-60%	874-750	D
< 60%	<750	F

**I.....Incomplete.** No Incompletes or "I" grades will be given for this course.

**J. WITHDRAWING FROM CLASS/COLLEGE**

It is recommended that the student talk to the instructor before withdrawing. Current course withdrawal information can be found in the printed version of the ACC Schedule for this semester or online at [ACC Course Withdrawal Instructions](#). Students who file withdrawal requests by the published deadline and have not exceeded the withdrawal maximum will receive a grade of W.

**Six Drop Limit**

The Texas Legislature passed a ruling that limits the number of classes a student can drop during their years as an undergraduate student to six. This policy applies to any student who was a first time college freshmen fall, 2007, or later, who attends a Texas public institution of higher education. Courses dropped while attending a private or out of state college do not count toward the six drop limit. For further information, refer to the [ACC Catalog](#) or contact Student Services.

**K. GRADE APPEAL PROCESS**

Students have one year from the date of the grade assignment to challenge a grade. Refer to the grade appeal process as published in the ACC Catalog at <http://www.alvincollege.edu/Programs-Degrees/Course-Catalogs>.

**L. CLASS ATTENDANCE POLICY**

Alvin Community College students are required to attend classes. If an absence is unavoidable, the student is responsible for completing all work missed during the absence. Instructors will not withdraw students for non-attendance, except in developmental courses. Absences in excess of two weeks are to be reported to the Office of Advising Services, along with appropriate recommendations. Students with three (3) or more absences will receive a failing grade.

**M. CODE OF ACADEMIC INTEGRITY AND HONESTY**

Alvin Community College students are members of an institution dedicated to the pursuit of knowledge through a formalized program of instruction and learning. At the heart of this endeavor, lie the core values of academic integrity which include honesty, truth, and freedom from lies and fraud. Because personal integrity is important in all aspects of life, students at Alvin Community College are expected to conduct themselves with honesty and integrity both in and out of the classroom. Incidents of academic dishonesty will not be tolerated and students guilty of such conduct are subject to severe disciplinary measures.

**N. CLASSROOM PROTOCOL**

It is the right of each student to participate in his or her learning, and it is the responsibility of each student to not interfere with the learning of other students. It is the expectation of the college that each student assumes the responsibility to follow college policies and procedures governing classroom conduct on campus and online. This information is published in the ACC Student Handbook on page 42.

## **O. EVALUATION OF INSTRUCTION**

Alvin Community College is dedicated to student success. As part of its ongoing improvement efforts, students will provide input for each course prior to the end of the semester enrolled. Evaluations will be completed in either online or paper format as directed by the Office of Institutional Effectiveness & Research.

## **P. ACC ACADEMIC SUCCESS AND SUPPORT SERVICES**

The [ACC Tutoring/Learning Lab](#), located upstairs in building A, provides students with a variety of services including tutoring (math, writing, and other disciplines); computers and printers; and tables/carrels. Call 281-756-3566 or visit the [ACC Tutoring/Learning Lab Website](#) for more information.

The [ACC Library](#) is an excellent source for research and writing help. Quiet rooms are available for studying and doing class work. For more information, visit the [ACC Library Website](#) or call 281-756-3559.

[ACC Counseling Services](#) assist students with issues that may negatively impact academic success. To contact a counselor, call the office of Advising Services at 281-756-3534.

### **Americans with Disabilities Act**

ACC complies with ADA and 504 Federal guidelines by affording equal access to individuals who are seeking an education. Students who have a disability and would like classroom accommodations must register first with the Office of Disability Services, A 136, or call 281-756-3533. Instructors are not able to provide accommodations until the proper process has been followed.

### **Assessment and Care Team (ACT)**

The Assessment and Care Team is committed to improving community safety through a proactive, collaborative, coordinated, objective, and thoughtful approach to the prevention, identification, assessment, intervention and management of situations that pose a threat to the safety and well-being of the campus community. To educate and empower all members of the College community, resources and procedures are in place to prevent, deter, and respond to concerns regarding acts of violence. Alvin Community College offers assistance to departments and individuals in detecting indicators for concern and resources to protect themselves and their environments.

The Alvin Community College ACT accepts reports regarding any individual or incident at any time through an online referral form on the Assessment and Care Team page at <http://www.alvincollege.edu/ACT>, direct email to: [ACareTeam@alvincollege.edu](mailto:ACareTeam@alvincollege.edu), or by contacting the Alvin Community College Police Department at 281-756-3700 or 832-250-3365 (after hours).

[MY Blackboard](#) support can be obtained by completing the [Online Support Form](#).

**[WEBACCESS](#), Passwords or ACC Computer Lab Information:** If you experience problems with WebACCess, please call the Help Desk at 281-756-3544 or email [helpdesk@alvincollege.edu](mailto:helpdesk@alvincollege.edu).

## **Q. MENTAL HEALTH COUNSELING AND SUICIDE PREVENTION SERVICES**

As a student, you may experience a range of challenges that can interfere with learning, such as strained relationships, increased anxiety, substance use, feeling down, difficulty concentrating, and/or lack of motivation. These mental health concerns or stressful events may diminish your academic performance and/or reduce your ability to participate in daily activities. Advising services employs two Licensed Professional Counselors who can assist students with issues that negatively impact academic success. Consultation and referrals are confidential. The Counseling Referral form is located at: <http://www.alvincollege.edu/CounselingServices.aspx>

### **Emergencies:**

If you or someone you know at ACC feels overwhelmed, hopeless, depressed, and/or is thinking about dying by suicide, supportive services are available by requests at the Enrollment Services Center or by calling 281-756-3531, ask for a Counselor. You may also call the National Suicide Prevention Hotline 1-800-273-8255. This is a 24 hour, toll free, confidential suicide prevention hotline available to anyone in suicidal crises or emotional distress. If, however, you or someone you know is in an immediate crisis, go to the nearest Emergency Room, or call 911.

## **R. DISCLAIMER**

(The instructor reserves the right to modify this syllabus as needed and will notify the students of any changes using email or Blackboard.)

## TECM 1317.HY60 TECHNICAL TRIGONOMETRY SPRING 2017 SCHEDULE

Week	Dates	Description	Sections Covered
1	Jan 18	Welcome to class Introduction and Ratios & Proportions Part I	I
2	Jan 25	Ratios & Proportions Part II E-Mail Assignment Due	I
3	Feb 1	Points, Lines, Segments, Rays, Lines & Angles Quiz #1 Due	II
4	Feb 8	2 Dimensional Objects –Polygons, Circles & Other Objects Part I Quiz #2 Due	III
5	Feb 15	2 Dimensional Objects –Polygons & Circles Part II Test #1 Review	III
6	Feb 22	<b>Test #1 Sections I, II, III</b> Quiz #3 Due	
7	Mar 1	3 Dimensional Objects: Part I	IV
8	Mar 8	3 Dimensional Objects: Part II Quiz #4 Due	IV
	Mar 15	*****Spring Break March 13-17 No Classes*****	
9	Mar 22	Imperial and Metric Measurements Quiz #5 Due	V
10	Mar 29	Advanced Properties of Triangles Part I Quiz #6 Due	VI
11	Apr 5	Advanced Properties of Triangles Part II Test #2 Review	VI
12	Apr 12	<b>Test #2 Sections IV,V,VI</b> Quiz #7 Due	
13	Apr 19	Trigonometry Part I <b>April 19, 2017 Withdrawal Deadline Spring 2017</b>	VII
14	Apr 26	Trigonometry Part II	VII
15	May 3	Final Exam Review Quiz # 8 Due	I-VII
16	May 10	<b>COMPREHENSIVE FINAL EXAM. Last Class Day.</b>	I-VII