Mountain View College
DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

PLANE TRIGONOMETRY
MATH.1316. Section 63803
Spring 2018
1/17/18 – 5/9/18

Professor: K. Buchmeyer
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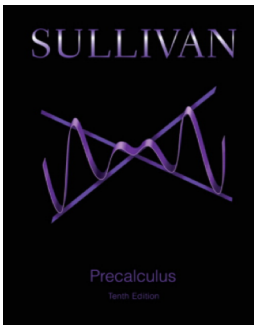
Room Number: B111- Alexander Building, SGPHS
Tutoring Hours: Tuesday/Thursday 3:00pm – 3:45pm
Meeting Days & Time: B-days, 12:30pm – 2:00pm
Credit Hours: 3 Semester Hours

Division (STEM): ***Science, Technology, Engineering, & Mathematics***



Course Description: In depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates, and parametric equations may be included.

Course Pre-requisites: MATH 1314 or equivalent.

Course Materials/Supplies Needed
PRECALCULUS, by Sullivan, 10th edition (ISBN# 9780321978981)
TI – 83 OR TI-83 PLUS CALCULATOR RECOMMENDED

Core Statement:
MATH 1316 is a **Tier 1** course in the **Quantitative Reasoning** learning category. "Knowledge and skills that are important to your success in other college courses will be introduced and reinforced in Tier 1. The **Quantitative Reasoning** category promotes the application of mathematics to increase your ability to solve "real-world" problem. When you are quantitatively literate, you can use logic and critical thinking in new ways." - *Catalog of the Colleges of DCCCD*

Core Objectives:
MATH 1316 develops the following Core Objectives:
Critical Thinking – to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
Communication – to include effective development, interpretation and expression of ideas through written and visual communication.
Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Core Objective Development Statement:
MATH 1316 develops **Critical Thinking**, **Communication**, and **Empirical and Quantitative Skills** by requiring students to solve and analyze applications of trig functions and their graphs.

Learning Outcomes
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.

Course Outline:

Chapter 6	Trigonometric Functions
Chapter 7	Analytic Trigonometry
Chapter 8	Applications of Trigonometric Functions

Evaluation Procedures:
Your grade will be based on tests, quizzes, homework, and a **comprehensive** final exam.

Instructor Attendance Policy:
Students are expected to attend all classes. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. If for some reason you must leave class early, you should inform the instructor prior to the start of class of your reason for leaving early.

Students must begin attendance in all classes of enrollment. No exceptions. Financial Aid will not be granted to students who have been certified as not attending, by the certification date. For this lecture course, your physical participation in class, on or before the certification date will allow you to receive credit for FA purposes. For certification dates, check with the division or FAO for further information. Students, who are not certified as beginning class, are responsible for any payments due as a result of non-certification, to include the dropping of courses.

Grading Scale:

Category:	**Weight:**
Tests	50%
Quizzes	10%
Homework	20%
Final Exam	20%
TOTAL	100%

Grading Scale

Average:	Corresponding Letter Grade:
100% - 90%	A
89% - 80%	B
79% - 70%	C
69% - 60%	D
59% - below	F

Tests – Tests will be taken in class. You may use your approved calculator on the tests. If you are absent and miss an exam, the next test is counted twoice. A student will receive a grade of zero if more than one test is missed.

The final exam must be taken in the classroom on the date specified by the MVC final exam schedule. The final exam will be comprehensive.

Quizzes – The quizzes will be 15 minutes of class time. Most of them will be pop quizzes on concepts we have previously discussed in class which means the quizzes will be comprehensive. If you are absent or late for class and miss the quiz, you will receive a grade of zero for that quiz. You must be present during quiz time to take the quiz. Absences and tardiness can negatively affect your quiz grade in this course.

Homework/Assignments – All assignments issued in class will be due the following class. If you are going to be absent, you may scan and send your assignment electronically (early) or turn in when you return to class.

Gradebook - Grades will be kept in eCampus for official recordkeeping.

Responsibility of College Learner:
As a student in this college course, it is your responsibility to have necessary course materials and to locate a computer with reliable internet access. Computer and internet issues/problems not associated with the eCampus and/or My Lab and Mastering (MyMathLab) websites' technical issues or downtime will not be considered exceptions to the late work and makeup exam policies. It is also your responsibility to have the necessary course materials to complete the assignments**. You will not receive extensions on assignments or tests due to financial issues, not receiving MyMathLab by the start of class, or personal computer issues.** Please plan ahead and do not wait until the last minute to complete assignments or tests.

Instructor Attendance Policy:
Students are expected to attend all classes. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. If for some reason you must leave class early, you should inform the instructor prior to the start of class of your reason for leaving early. If you are late to class, then please enter the room quietly. **Absences and tardiness can negatively affect your quiz grade in this course.**

Late Work Policy: Late work is not allowed. You are more than welcome to submit an assignment early. You are not allowed to submit an assignment late. Extensions will not be granted.

Makeup Exam Policy: Makeup exams are not allowed. You are more than welcome to do an exam early. You are not allowed to do an exam late. Extensions will not be granted.

The withdraw date for this class is April 12, 2018.

Student Code of Conduct /Behavior:

Any in-class, online, telephone, in-person, or email behavior or language deemed inappropriate by the instructor will not be tolerated. ANY communication or behavior deemed disrespectful will not be tolerated. Any student who is disruptive or offensive to me or your classmates will be required to discuss his or her behavior with the instructor and the dean before continuing with the course. You will not be allowed to attend class or you will be removed from the online system until your inappropriate behavior or actions have been discussed and a plan for moving forward has been agreed on by the instructor and the dean. Please familiarize yourself with and abide by the Student Code of Conduct found online at https://www1.dcccd.edu/cat0406/ss/code.cfm.

Emails to instructor:
Email messages sent to the instructor must include a subject line with your name and the class in which you are enrolled, correct spelling, punctuation, capitalization, and sentence structure. Messages I receive Monday through Thursday will receive a response within 24 hours. Emails received Friday through Sunday will receive a response on the following Monday.

Cell phones, electronic devices and pagers:
All pagers, wireless phones, games, players or other electronic devices that generate sound and/or pictures must be turned off during class and put away from view. They should not be on your desk or in your lap. You are also not to charge your phones in class. Sounds from and involvement with electronic devices is disruptive to the learning process. Noncompliance to the rules regarding electronic devices will result in a dismissal from class. Please refer to classroom etiquette above.

Academic Dishonesty:
Students that caught plagiarizing an assignment will be subject to an "F" in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. More information is available at
https://www.mountainviewcollege.edu/au/fastfacts/legal/pages/policies-for-syllabi.aspx

Institution Policies: Institutional Policies relating to this course can be accessed from the following link:

www.mountainviewcollege.edu/syllabipolicies