The following is the Dean’s Office information. Please contact your instructor first.
Division: Science, Technology, Engineering, and Mathematics
Office Hours: M – F 8:00 am – 5:00 pm
Office Phone: 214-860-8760
Office Number: W120

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

MYMATHLAB IS REQUIRED, COURSE ID WILL BE POSTED ON ECAMPUS WHEN THE CLASS STARTS. MYMATHLAB MUST BE ACTIVE AT THE TIME THAT I SUBMITT THE FINAL GRADES. IF YOUR NAME IS DROPPED FROM MY CLASS ROSTER AS A RESULT OF NON-PAYMENTS OR ANY OTHER REASON, YOUR WORK WILL NOT TRANSFER THROUGH OUR SYSTEM AND A FAILING GRADE MAY RESULT.

WHEN YOU BUY MYMATHLAB FROM PEARSON USING INSTRUCTOR COURSE ID, ALL ONLINE MATERIALS INCLUDING EBOOK AND MULTIMEDIA LIBRARY COMES WITH THE PACKAGE. NO ISBN# IS NEEDED.

HARD COPY OF THE BOOK IS OPTIONAL.

PRECALCULUS, by Sullivan, 10th edition (ISBN# 9780321978981)
Texas Core Objectives

The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:

1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

2. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication

3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

5. **Personal Responsibility** - to include the ability to connect choices, actions, and consequences to ethical decision-making

6. **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

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:
Three Tests  45%
Class Participation/Quizzes  20% (for online classes 20% quizzes, no class participation is required)
Homework  20%
Final  15%

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:
90 – 100  A
80 – 89  B
70 – 79  C
50 – 69  D
0 - 49  F
Late Work Policy:
Late work will not be accepted.

Makeup Exam Policy: No makeup test or quiz will be given. However, under extenuating circumstances, with proper documentation (Note from hospital, doctor, etc.) a maximum of one makeup test or quiz may be arranged.

Certification Procedures: (For Online Courses)

I need to certify your class before the certification day. You need to show attendance by signing up to MyMathLab/MyLab&Mastering when the class starts. If you are in my online or hybrid class, MyMathLab/MyLab&Mastering is the basis for your attendance. (For Lecture classes, you need to sign the attendance sheet when we meet in class).

Please go to www.dcccd.edu, click on the link eCampus, sign up if you are new to eCampus then log in, click on courses, then to this course. On your left click on "what you need to do first" to get the course ID for MyMAthLab, and get started. If for some reasons, you have not been able to buy MyMathLab and have not sign in yet, please let me know what your plans are, so that I can certify you as attended.

The withdraw date: May 1, 2020. Please refer to DCCCD Academic Calendar for updates.

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://www1.dcccd.edu/catalog/ss/code.cfm.

Institution Policies: Please visit http://www.mountainviewcollege.edu/Academics/Documents/Institutional%20Policies.pdf for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Dishonesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).

Institutional Policies

Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

Mountain View Institutional Policies
(http://www.mountainviewcollege.edu/syllabipolicies)
Course Calendar: Course Calendar is posted on MyMathLab.