Professor: Kumars Ranjbaran  
Email: kranjb_math@dcccd.edu  
Office Phone Number: (214) 860 – 8854  
Office Number: W191b  
Office Hours: TBA  
Meeting Days & Time: Online  
Room Number: N/A  
Credit Hours: 3 semester hours

Division: Science, Technology, Engineering, & Mathematics (STEM)  
Office Hours: M – F 8:00 am – 5:00 pm  
Office Phone: 214-860-8760  
Office Number: W147

Both Mountain View College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.

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)  
Required: Student Kit by Pearson is called MyMathLab. This may be purchased through Follett Bookstores http://www.efollett.com, or you may purchase this software online by going to http://www.coursecompass.com  
TI – 83 OR TI-83 PLUS CALCULATOR RECOMMENDED

(OPTIONAL) SOLUTION MANUAL (9780321979322)
Course Information, for MyMathLab
Course ID: ranjbaran44044

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:

Assessment & Evaluation Procedures of Course Learning Outcomes
Evaluation, Grading, & Expectations

COURSE GRADE
The course grade is determined by the following components:
1. Homework

2. Practice Tests

3. Tests & Final Exam

1. HOMEWORK:
Homework is the most important learning tool in a course. Once you login to Coursecompass.com, you should follow these steps: 1. Click on DMAT-0305, on the left hand side. 2. Click on the DO HOMEWORK tab, and you will see the list of your homework assignment with the due date next to each assignment. There is no penalty for making mistake when you are working on your homework problems. As long as you click on the similar exercises tab, and you solve the problem correctly, you will receive the full credit for that problem. You have up 3 chances, to receive the full credit for the problems.

2. PRACTICE TESTS:
Practice Tests are uploaded into MyMathLab. After you have taken and passed the practice test, then you are ready to take a test. There are a total of 3 PRACTICE TESTS, and you are allowed to take each of the practice tests up to 3 times, and your highest score will be recorded.

Your practice Tests are all online, and in order for you to take them you should go to MyMathLab.com and click on Take a Test tab. Please, use the planner, on the last page of this syllabus to make sure about the due date of these tests. You are able to print your Practice Test, after completing of your first attempt. One of the lowest Practice test grades will be Dropped.

3. TESTS:
There will be 2 major tests, in addition to a comprehensive final exam. Your Tests are all online, and in order for you to take them you should go to MyMathLab.com, and click on Take a Test tab. Please, use the planner, on the last page of this syllabus to make sure about the due date of these tests. One of the lowest Test grade will be dropped.

THE DUE DATES ARE SET IN STONE, FOR PRACTICE TESTS, AND THE TESTS!!!

COMPUTING YOUR GRADE:
The course grade will be determined as follows:
Homework: 25%
Practice Tests: 15%
Tests: 60%

FORMULA:
Course Grade = (H.W. * 0.25) + (Ave. of Practice Tests * 0.15) + (Ave. Tests * 0.60

Grading Scale:
90-100 = A
Late Work, and Makeup Exam Policy:
None!
Unless in emergency cases, such as Natural disaster, Hospitalization, and etc…
For every one of these cases, a proper documentation is required for granting a Makeup Exam.

Certification Procedures: (For Online Courses)
Please, reply to this email (kranjb_math@dcccd.edu), by the CENSUS DAY, which is Tuesday, March 29th, 2016, with the following information:

1. First and last name, as it appear in your admission enrollment papers.
2. An alternate email address, if it is available
3. A phone number, and a time that I can reach you. If you are not in the Central Zone, please indicate your time Zone.

DROP POLICY
You are expected to participate in class regularly. You need to consult with the instructor when absences (course inactivity) are necessary for any extended period of time. If you are unable to complete this course, you must officially withdraw by Friday, April 29th, 2016. Withdrawing is a formal procedure which you must initiate; your instructor cannot do this for you.

The process can be done by mail or email, however, if started soon enough. You must call the counseling center from your home campus. For Mountain View students that is 214-860-3632. Be sure to e-mail your instructor if you have questions or concerns before dropping the course.

Students registered through the Dallas TeleCollege (open enrollment) can find drop information under the “admissions” section of the TeleCollege web page.

If you stop participating and do not withdraw, you will receive a performance grade, usually an F. If you are considering dropping this class, please discuss it with me or with a counselor. Often there are other alternatives. We want to help you explore all the alternatives before you drop the course.

All Dallas County Community Colleges charge a higher tuition rate to students registering the third time for a course. This rule applies to the majority of credit and Continuing Education / Workforce Training courses. Developmental Studies and some other courses are not charged a higher tuition rate. Third attempts include courses taken at any DCCCD college since the fall 2002 semester. For further information, go online to: http://www.DCCCD.edu/thirdcourseattempt.

The withdraw date for this class is Friday, April 29th, 2016

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

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.).

All your homework is due Tuesday, May 10th, 2016, by midnight.

The following is a suggested schedule for you to be ready to take your Tests, and practice Tests on time. You can do one or five sections per day, depending on your own pace.

Course Calendar

MATH–1316–63430/93415
Online
Mr. Ranjbaran

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<td>PREPARING FOR MyMathLab, Section: 6.1</td>
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<td>March 28, 2016</td>
<td>Practice Test # 1, Ch. 6, Is Available. Anywhere with computer, and internet access.</td>
<td>March 31, 2016</td>
<td>Preparing For your Practice Test, and Test Assignments</td>
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<td>March 29, 2016</td>
<td>Test # 1, Ch. 6, Is Available. Anywhere with computer, and internet access.</td>
<td>April 1, 2016</td>
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<td>April 2, 2016</td>
<td>Preparing For your Practice Test, and Test Assignments</td>
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<td>April 3, 2016</td>
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<td>April 12, 2016</td>
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<td>April 4, 2016</td>
<td>Practice Test, and Test # 1, Ch. 6 Is Due. Anywhere with computer, and internet access.</td>
<td>April 13, 2016</td>
<td>Preparing For your Practice Test, and Test Assignments</td>
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<td>April 5, 2016</td>
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<td>April 14, 2016</td>
<td>Preparing For your Practice Test, and Test Assignments</td>
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<td>April 6, 2016</td>
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<td>April 15, 2016</td>
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<td>Section: 7.5</td>
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<td>April 8, 2016</td>
<td>Section: 7.6</td>
<td>April 17, 2016</td>
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<td>Practice Test, and Test # 2 (Chapter 7) Is Due. Anywhere with computer, and internet access.</td>
<td>Section: 8.1</td>
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<td>Section: 8.3</td>
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<td>Preparing For your Practice Test, and Test Assignments</td>
<td>Practice Test for Comp. Final Exam. Is Available.</td>
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<td>Preparing For your Practice Test, and Test Assignments</td>
<td>All Homework assignments are due today</td>
<td>Practice Test, and Test for Comp. Final Exam. Is Due.</td>
<td>Final Grade Will be Posted by Midnight.</td>
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