Plane Trigonometry Syllabus

Instructor Information
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Division Office: Science, Technology, Engineering, & Mathematics (STEM)
Division Phone: 214-860-8760

Course Information
Course Title: Plane Trigonometry
Course Number: MATH 1316
Section Number: 62431
Semester/Year: Spring 2020 – Winter Term
Credit Hours: 3
Class Meeting Time/Location: Online
Certification Date: Dec. 18, 2019
Last Day to Withdraw: Jan. 4, 2020

Course Prerequisites
MATH 1314 or equivalent

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. (3 Lec.)
Coordinating Board Academic Approval Number 2701015319
Student Learning Outcomes
Upon successful completion of this course, students will:
Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
Graph trigonometric functions and their transformations.
Prove trigonometric identities.
Solve trigonometric equations.
Solve right and oblique triangles.
Use the concepts of trigonometry to solve applications.

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

Required Course Materials
Computer/Internet: This is an online course and it is essential to have a working computer with internet access. Any computer or technical problems cannot be an excuse for missed/late homework or test and it is your responsibility to maintain
computer and internet access problems for this course. Students must have a valid email address since the main method of contact will be by email. Important information and announcements will be posted on eCampus.

TEXTBOOK: MyMathLab (MML) access code is required and textbook is not required. Online textbook is available on MML. You must register on MML to do this course and you need the course ID to register. The course ID is tinker86824. Student may purchase MML access code from the bookstore or www.mymathlab.com If a student prefers to purchase a text book, get PRECALCULUS, by Sullivan, any edition. This MML access code can be used for my online precalculus course.

(Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.)

MML registration and login information is under “Start Here” on eCampus. You may use this link www.mymathlab.com to register to MML. You MUST USE SAME NAME as appears on eConnect/eCampus when you fill out the personal information on MML. When MML name is different than eConnect/eCampus name, your course work will not transfer to eConnect/eCampus to get a course credit. Once you login to MML, explore all provided tools to get familiar with MML. Don’t be afraid to click on ant tabs and learn how to use MML.

Use the following link for any MML Questions. http://pearsonmylabandmastering.com/students/support/

MML Technical support: . If you have problems with MML, contact MML help line. http://www.mymathlab.com/student-support or call 1-800-677-6337

TI – 83 OR TI-83 PLUS CALCULATOR or any scientific calculator is Recommended
Graded Work

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentages</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section Homework</td>
<td>All Section Average x 20 %</td>
<td>20 points</td>
</tr>
<tr>
<td>Chapter Quizzes</td>
<td>3 quizzes Average x 35 %</td>
<td>35 points</td>
</tr>
<tr>
<td>Chapter Tests / Final Exam</td>
<td>5 tests Average x 45 %</td>
<td>45 points</td>
</tr>
</tbody>
</table>

**TOTAL: 100 points**

Final Grade

If your average falls in one of the following ranges, then the corresponding final letter grade will be submitted to the Registrar’s Office. Check the MML Gradebook for a current grade.

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 100</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80 - 89.9</td>
<td>80-89.9%</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79.9</td>
<td>70-79.9%</td>
<td>C</td>
</tr>
<tr>
<td>60 - 69.9</td>
<td>60-69.9%</td>
<td>D</td>
</tr>
<tr>
<td>0-59.9</td>
<td>0-59.9%</td>
<td>F</td>
</tr>
</tbody>
</table>

Description of Graded Work

**Homework : 20 %**

MyMathLab ([www.mymathlab.com](http://www.mymathlab.com)), will be used for lessons, homework assignments, quizzes, chapter tests and/or extra practice. Homework is under the “Assignments” tab on the left on MML. Homework includes section lessons. However, you can use any other sources to learn each lesson concepts. I strongly encouraged to learn each lessons before you do homework problems. There is no limit to the number of times you try HW problems. You can click on “similar question” to try the problem again until you get it correctly. You can get 100 on every homework problem by doing this. All required lessons, homework, quizzes and chapter tests must be completed by the due date. There is a 10% deduction on any late work and any
missing work will get zeros after final exam due date. However, students are encouraged to work ahead of the schedule. It is a student’s responsibility to do all homework assignments, quizzes and chapter tests by guided course schedule. Please do not get behind. Do not wait until the last minutes to do any assignments. Technical problems cannot be an excuse since MML technical assistance is available 7 days a week on the web and the contact phone number is listed on MyMathLab. Problems with your own computer needs to be taken care of before the assignments are due. Also, students are welcome to use open computer lab / Math tutoring center W - 146 at MVC and they are open all week and on Saturdays. Here is the link for computer lab/Math tutoring center information.
http://www.mountainviewcollege.edu/business/computing/Pages/complabs.aspx

Quiz : 35 %

Quizzes are under “Assignments” tab on the left side on MML. You will be allowed two attempts at the quiz and your highest score will be counted towards your final course grade. You may use your first attempted quiz as a review to do it again. You are strongly encouraged to take quizzes by the suggested due date in the course schedule. However, you may can do it until the final exam due date with 10 % deduction. Any missing assignments will get zeros after final exam due date.

Test (Include Final Exam ) 45 %

There will be chapter tests online / MyMathLab (www.mymathlab.com). Tests are under “Assignments” tab on the left side on MML. You will be allowed two attempts at the test and your highest score will be counted towards your final course grade. You may use your first attempted test as a review to do it again. You are strongly encouraged to take test by the suggested due date in the course schedule. However, you may can do it until the final exam due date with 10 % deduction. Any missing assignments will get zeros after final exam due date.

*** Check your computer system and take care of any technical problems. I can’t help you with computer technical problems and it is your responsibility. If you have problems with MML, contacts MML support.
http://www.mymathlab.com/student-support or call 1-800-677-6337

Final Exam :
There is a comprehensive final exam on MML. You will be allowed two attempts at
the exam and your highest score will be counted towards your final course grade. You
may use your first attempted exam as a review to do it again.
You are strongly encouraged to take exam by the suggested due date in the course
schedule. **If you do not take the final exam by the due date, you will get a zero for
that test.** There are no extensions for this assignment.

**Online Orientation: Counts as a homework grade**
Complete online orientation on eCampus and summit it to instructor through e-mail **by
the first week of the class.** *(Turn in by 3\textsuperscript{rd} class day if you are taking a Flex Term,
summer or winter term. ) This orientation quiz will count as one of the homework grade.
You must answer all questions correctly to get full credit for orientation.

**Attendance Your Final Grade**

"Attending" in this course means maintain active participation. The lessons on the
computer are like attending the lecture portion of an on-campus class.

In addition, just as in any on-campus class, you will need to be spending at least 10
hours a week outside of class working on assignments. Attendance and participation
are dependent upon your computer and it is your responsibility to resolve your computer
issue. Do not wait until a test due date to fix your computer problems. That does not
merit a due date extension.

If you find you are having trouble with your computer program, please contact MML
tech support. [http://www.mymathlab.com/student-support or call 1-800-677-6337](http://www.mymathlab.com/student-support or call 1-800-677-6337).
Your instructor is not a technical support person and if you have a software issue, you
must contact tech support. If you have content issue concerning how to work the
lessons, contact your instructor.

It is assumed that you have a computer for the class that you know how to load
software on it, and that you have an Internet service provider. Not having a computer or
an Internet provider will not be considered "computer problems." You must have an
email address since this is an online course and the main method of contact will be
email.

Most students take online courses because of the convenience of working any place,
anytime. **However, enrolling in an online course does not mean that you can choose
when things are to be turned in. This is not a self-paced course, because I do have
specific due dates.** However, you may work ahead of the schedule. If you know you will
be away from the ability to work on the computer for a week or more, make sure that you are caught up through the material that would need to be completed during the week you miss. That way you will not be behind when you get back.

**Late Work Policy**

There is a 10% deduction on any work done after the due date and any missing assignment after the final exam due date will get zero. All assignments due dates are listed on the guided course schedule.

**Other Course Policies**

**SENDING EMAILS**

The best method of contact for questions for this online course is by **email**. Please allow at least 48 hours for a response to your emails, 72 hours on the **weekends/holidays**

Be sure to put "**Math-1316 - Section # - First and Last NAME**" in the **subject line** for all emails you send.

Your proper first and last name, and the course and section numbers are vital since I am teaching many different online classes.

**Emails without this proper information will not be replied, in a timely manner.**

In order for us to be able to communicate in a timely manner, please use first and last name, as it appears in your admission enrollment papers.

**Certification Procedures:**

Students **must contact the instructor at least the third day of the class** by sending an e-mail, register on MML, turn in online Orientation Quiz, or login into eCampus. Any of these actions are needed for me to certify students in my class. It is very important for any student who gets financial aid.

**Tutoring**

Free tutoring is available at the tutoring centers at any of the Dallas Community Colleges.

Students are strongly encouraged to visit **math tutoring Lab (W – 146)** for tutoring, group studying or questions. Math tutoring Lab is free and hours are:

- **Spring / Fall semester**: Mon.~ Thurs. 8:00 am ~ 9:00 pm / Fri.~Sat. 8:00 am ~ 4 pm
- **Summer / Winter semester**: Mon. ~ Fri. 7:30 am ~ 4:30 pm / Sat. 8:00 am ~ 4pm

However, tutoring lab hours may change time to time. Please check the website for updated information.

[http://www.mountainviewcollege.edu/business/computing/Pages/complabs.aspx](http://www.mountainviewcollege.edu/business/computing/Pages/complabs.aspx)
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 Schedule

***** Suggestion: Work two sections a day.*****

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic / Assignments</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec.16 ~ Dec.22</td>
<td>Orientation quiz</td>
<td>Orientation Quiz Due: Dec.17</td>
</tr>
<tr>
<td></td>
<td>Study Chp.1 &amp; Chp.2</td>
<td>All Chp. 1&amp;2 HW, Quiz &amp; Test</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Due: Dec. 22nd (Sunday)</td>
</tr>
<tr>
<td>Dec.23 ~ Dec.29</td>
<td>Study Chp.5</td>
<td>All Chp. 5 HW, Quiz &amp; Test</td>
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<tr>
<td></td>
<td></td>
<td>Due: Dec. 26th (Thursday)</td>
</tr>
<tr>
<td>Dec.30 ~ Jan. 5</td>
<td>Study Chp.6 &amp; Chp.7</td>
<td>All Chp.6 HW , Quiz &amp; Test</td>
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<tr>
<td></td>
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<td>Due: Dec. 31st (Tuesday)</td>
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<tr>
<td></td>
<td></td>
<td>All Chp.7 HW, Quiz &amp; Test</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Due: Jan. 5th (Sunday)</td>
</tr>
<tr>
<td>Jan. 6 ~ 9</td>
<td>Study Chp.8</td>
<td>All Chp.8 HW, Quiz &amp; Test</td>
</tr>
<tr>
<td></td>
<td>Final Exam</td>
<td>Final Exam</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Due: Jan. 9th (Thursday)</td>
</tr>
</tbody>
</table>

You cannot do any missing homework, quizzes or tests after midnight of Jan. 9th and will receive “Zeros” for any missing assignments.