

Math 1316.WB
Plane Trigonometry - Web Based
Summer II 2012
07/09/12 - 08/09/12

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Welcome to Trigonometry! This sheet will tell you about the course, including subject matter, homework, quizzes, exams, and term grade. Almost all of your questions about the course can be answered by reading this syllabus. If anything is unclear, please feel free to contact me for clarification.

Course Description:

MATH 1316 Plane Trigonometry (27.0101.5319)(3-0)3 hours presents trigonometric functions, formulas, solutions of right triangles and applications, variations of functions with changes in angles, trigonometric equations, identities, solutions of oblique triangles and applications, logarithmic functions, inverse functions and complex numbers. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. The student should be able to probe for mathematical meaning and, perhaps, describe these meanings to others. (ICOs 3, 6, 9, 11)

Prerequisites/Corequisites: MATH 1314 passed with a C or better or equivalent competency, or an independent school district/OC dual enrollment form.

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.

Required Materials:

Required Software: MyMathLab

Course ID: murphree89224.

Optional Textbook: Trigonometry by Dugopolski, 3rd Edition: Pearson Publishing Co. 2011.

Technology:

As this is an online course, you will need a computer with internet access to access course materials and complete your course work. A valid email address is also required for communications purpose. All communications will be sent to the email address used to register your MyMathLab software, so please access this account regularly to check for any class announcements or other information. It is recommended that you use your Odessa College email account for this purpose. There are computers with internet access available in the Math Lab, located in Sedate Hall room 218, which you can use as needed. Math Lab hours for this semester are 8:30 am to 8:30 pm, Monday through Thursday.

Term Grade:

Your term grade will be determined according to the following distribution:

	Homework	5 Exams	Final Exam
Percentage	10	10 each	40
Drops	2	0	0

I will be checking your progress weekly, including checking the time you are spending in each section, the homework you have completed, and the status of your exams.

End of term grades will be assigned according to the following scale:

Percentage	Grade
90–100	A
80-89.9	B
70–79.9	C
60-69.9	D
Below 60	F

Homework:

There is required homework for all sections covered in this course. Homework will be completed online through MyMathLab and will count as 10% of your grade. Your two lowest homework scores will be dropped. Note that while MyMathLab has helpful tools available for homework, these tools will not be available on exams so use them with discretion and make sure that you are able to work the problems without the tools as well. Suggested completion dates for each section are listed below.

Midterm Exams:

There will be 5 midterm exams, each will count 10% of your grade. You have two attempts at each of the midterms so it is suggested that you make the first attempt early to give you time to study from that for your second attempt (if needed). Suggested completion dates for the 5 midterms are listed below. You may complete the exams after the suggested dates, but exams that are completed by the suggested dates will be reviewed for partial credit while exams that are submitted later **WILL NOT** be reviewed. Exams that were only attempted once also **WILL NOT** be reviewed for partial credit so it is to your benefit to complete exams by the suggested date and to make both attempts if you do not get 100% on the first try.

Final Exam:

The final exam will be comprehensive and will be proctored. It will count 40% of your grade. **You must take the final in the Math Lab (Sedate Hall, room 218) by 8:30 PM on Thursday, August 9.** Please bring a picture ID with you to present before you take the exam and be aware that you will not be allowed to bring your cell phone into the final exam area. You will be allowed a calculator and a sheet of formulae that will be provided. You will have only one attempt for the final exam. **Anyone who does not attempt the final exam will receive a grade of F for the course regardless of your score previous to the exam.**

Communication:

Since this is an online course, good communication is essential to your success. Communications will be sent via e-mail, course announcements, and message boards. Take special note of the "Ask My Instructor" homework help in MyMathLab which will send me an email linked to a specific problem you would like to ask a question about. I will try to reply to any emails I receive as quickly as possible, in at most 2 business days.

Dropping:

Be aware that the last day to drop a course with a grade of W for the second summer session is August 1st.

Tutoring:

Tutoring services are available through the Math Lab located in Sedate Hall room 218. Math Lab hours for this semester are 8:30 am to 8:30 pm Monday through Thursday.

Back-up Plan:

You must have a back-up plan for this course in case your primary computer fails during the semester. Please

detail the location of the two computers in your student information sheet. The two computers should not be in the same building in case of an internet failure.

Special Needs:

Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Student Success:

The Odessa College Student Success Coaches will help you stay focused and on track to complete your educational goals. If an instructor sees that you might need additional help or success coaching, he or she may submit a Retention Alert or a Starfish Alert. A Student Success Coach will contact you to work toward a solution.

Learning Resource Center (The Library):

The Library, known as the Learning Resources Center, provides research assistance via the LRC’s catalog (print books, videos, e-books) and databases (journal and magazine articles). Research guides covering specific subject areas, tutorials, and the "Ask a Librarian" service provide additional help.

Student Email:

Please access your Odessa College Student E-mail, by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

Technical Support:

For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432-335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies:

For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or student’s and instructors’ right to academic freedom can be found in the Odessa College Student Handbook.

Suggested Completion Dates:

Homework		
Chapter(s)	Topics	Suggested Completion Date
1	Angles and the Trigonometric Functions	July 14
2	Graphs of the Trigonometric Functions	July 21
3	Trigonometric Identities	July 28
4	Solving Conditional Trigonometric Equations	August 4
5	Applications of Trigonometry	August 8

Exams		
Exam	Sections Covered	Suggested Completion Date
1	1.1, 1.2, 1.4, 1.5, & 1.6	July 15, 11:59 PM
2	2.1, 2.2, 2.3, 2.4, & 2.5	July 22, 11:59 PM
3	3.1, 3.2, 3.3, 3.4, 3.5, & 3.6	July 29, 11:59 PM
4	4.1, 4.2, 4.3, & 4.4	August 5, 11:59 PM
5	5.1, 5.2,	5.3 & August 8, 11:59 PM
Final Exam	All sections listed above.	August 9, 8:30 PM