

Course Syllabus

Department : Mathematics
Course Title : Plane Trigonometry
Section Name : MATH_1316_WBS
Start Date : 01/18/11
End Date : 05/13/11
Modality : HYBRID
Credits :

Instructor Information

Name : Debra Lackey
OC Email : dlackey@odessa.edu
OC Phone # : (432) 335-6360

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. (SCANS 3, 8, 9, 11) Prerequisite or corequisite: MATH 1314 passed with a C or better or equivalent competency, or an independent school district/OC dual enrollment form.

Prerequisites/Corequisites

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

[Scans](#)

(SCANS 3, 8, 9, 11)

Course Objectives

After completing this course, the student should be able to demonstrate competency in:

1.0 The basic trigonometric functions in terms of angles and right triangles using degree measure.

2.0 The basic trigonometric functions in terms of circular functions and their graphs using radian measure.

3.0 Trigonometric identities.

4.0 Inverse trigonometric functions, trigonometric equations, oblique triangles, vectors and complex numbers.

Welcome to plane trigonometry! This information will tell you about the course. Almost all of your questions can be answered by reading this sheet. If you still have questions after reading over this information, please contact me! I would be glad to clarify anything for you!

Textbook: Trigonometry by McKeague, 5th Edition, Thomson Publishing Co.

Grades:

Your overall grade will be determined by the following:

Quizzes ~ 20%

Tests ~ 50%

Final ~ 30%

Homework

Homework will be assigned for each section. I will not be grading the homework. Your teacher may grade the homework or discuss the assignments with you. It is essential that you practice the material to be successful.

Quizzes

Quizzes will be assigned periodically.

Tests

There will be an exam after each chapter or chapters. These will be graded by me and returned to you with the corrections. The final exam is comprehensive. Again, the final exam is comprehensive and will be due by Wednesday, May 11, 2011 at 6:00p.m.

Prerequisites

ALGEBRA passed with a C or better, or an adequate placement score.

FINAL EXAM DUE BY May 11, 2011 at 6:00 P.M.

Required Readings/Materials

- a) You must purchase the following *required* readings/materials:
Textbook: Trigonometry by McKeague, 5th Edition, Thomson Publishing Co.
- b) You are encouraged to buy the following *optional* books/materials
scientific calculator

Course Requirements (Lectures, Assignments and Assessments)

Topic/Overview: This week focuses on

Summary of Assignments & Activities

SPRING BREAK MARCH 14 – MARCH 18, 2011

Type	Description	Due
Quiz #1 on Chapter 1 Sections 1, 2, 3	quiz	TBA
Quiz #2 on Chapter 1 Sections 4, 5	quiz	TBA
Test on Chapter 1	test	TBA
Quiz #3 on Chapter 2 Sections 1, 2	quiz	TBA
Quiz #4 on Chapter 2 Sections 3, 4, 5	quiz	TBA
Test on Chapter 2	test	TBA
Quiz #5 on Chapter 3	quiz	TBA
Test on Chapter 3	test	TBA
Quiz #6 on Chapter 4	quiz	TBA
Test on Chapter 4	test	TBA
Assignment on Identities Chapter 5	graded as a quiz	TBA
Quiz #7 on Chapter 5	quiz	TBA
Test on Chapter 5 and 6	test	TBA
Quiz #8 on Chapter 7	quiz	TBA
Quiz #9 on Chapter 8	quiz	TBA
Test on Chapter 7 and 8	test	TBA
Final Comprehensive Exam	final	May 11, 2011

Grading Policy

Percentage %	Grade
90-100	A
80-89	B
70-79	C
60-69	D
<59	F

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.

Learning Resource Center (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 E-mail

Please access your [Odessa College Student E-mail](http://www.odessa.edu/gmail/), 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.**

Student Portal

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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](#).