Course Syllabus

Department : Mathematics
Course Title : Plane Trigonometry
Section Name : MATH_1316_WCN
Start Date : 01/18/11
End Date : 05/13/11
Modality : ONLINE
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!

Required Software: MyMathLab
Course ID: lackey58586
Optional Textbook: Trigonometry by Dugopolski, 2nd Edition, Addison Wesley Publishing Co.

Technology:

Online students must have a valid email address and access to a computer to register for the computer software. All of the coursework is done through the internet. If you do not have internet access, you may use the computers in the OC math lab. This course will work best using Internet Explorer.

Grades:

Your overall grade will be determined by the following:
Homework ~ 10%
Quizzes ~ 15%
Tests ~ 50%
Final ~ 25%

I will check on your progress weekly throughout the semester. I will check the time you are spending in each section, the homework you have completed, and the exams that have been

completed.

Homework:

Homework will be assigned for each section. There are due dates for the completion of the homework, which will ensure that you complete the course ON TIME. You will find these listed in the due dates section under the Course Information link in MyMathLab. The calendar is a useful tool for keeping you up to date on assignments.

Quizzes:

Quizzes will be assigned periodically. There are due dates for the completion of the quizzes.

Tests:

Each test will be available through its due date. After the due date has passed, the tests will be reviewed for partial credit. To see a list of the due dates, go to the Course Information link in MyMathLab. The final exam is comprehensive and will be proctored. Again, the final exam is comprehensive and will be due by 6:00PM on May 11, 2011.

Prerequisites:

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

Tutoring:
Tutoring is available through Developmental Studies and in the OC Math Lab.

Back Up Plan:
You must have a back up plan for this course in case your primary computer fails. Make sure another computer will be available to you if this uncommon event happens.

IMPORTANT DUE DATES

CHAPTER 1   Due February 07, 2011
CHAPTER 2   Due February 23, 2011
CHAPTER 3   Due March 29, 2011
CHAPTER 4   Due April 12, 2011
CHAPTER 5   Due April 29, 2011
CHAPTER 6   Due May 06, 2011

FINAL EXAM (both parts) Due May 11, 2011 by 6:00 p.m.

Final exam is comprehensive and divided into two parts.
 Part 1: Chapters 1 and 2
 Part 2: Chapters 3, 4, 5, and 6

Required Readings/Materials

a) You must purchase the following *required* readings/materials:
   Optional Textbook: Trigonometry by Dugopolski, 2nd Edition, Addison Wesley Publishing Co.
b) You are encouraged to buy the following *optional* books/materials
   scientific calculator

Course Requirements (Lectures, Assignments and Assessments)

SPRING BREAK MARCH 14 – MARCH 18, 2011

Summary of Assignments & Activities

(NAME)	ITEM TYPE	START	END	DESCRIPTION

1	1	1.1	HOMEWORK	H	01/05/11	01/31/11
2	1	1.2	HOMEWORK	H	01/06/11	01/31/11
3	1	Quiz #1 sections 1.1and 1.2	QUIZ	Q	01/10/11	01/31/11
4	1	1.3	HOMEWORK	H	01/11/11	01/31/11
5	1	1.4	HOMEWORK	H	01/12/11	01/31/11
6	1	chapter 1.4a	HOMEWORK	H	01/14/11	02/02/11
7	1	Quiz #2 sections 1.3 and 1.4	QUIZ	Q	01/17/11	02/02/11
8	1	1.5	HOMEWORK	H	01/19/11	02/03/11
9	1	1.6	HOMEWORK	H	01/21/11	02/03/11
10	1	Quiz #3 sections 1.5 and 1.6	QUIZ	Q	01/24/11	02/03/11
11	1	Chapter 1 Test	TEST	T	02/04/11	02/07/11
12	2	2.1	HOMEWORK	H	02/08/11	02/10/11
13	2	2.2	HOMEWORK	H	02/09/11	02/18/11
14	2	2.3	HOMEWORK	H	02/11/11	02/18/11
15	2	Quiz #4 sections 2.1, 2.2, and 2.3	QUIZ	Q	02/15/11	02/21/11
16	2	2.4	HOMEWORK	H	02/17/11	02/22/11
17	2	2.5	HOMEWORK	H	02/18/11	02/22/11
18	2	Chapter 2 Test	TEST	T	02/22/11	02/23/11
19	3	3.1	HOMEWORK	H	02/23/11	03/01/11
20	3	3.2	HOMEWORK	H	02/25/11	03/02/11
21	3	3.3	HOMEWORK	H	03/03/11	03/11/11
22	3	Quiz #5 sections 3.1 and 3.2	QUIZ	Q	03/05/11	03/11/11
23	3	3.4	HOMEWORK	H	03/09/11	03/22/11
24	3	Quiz #6 sections 3.3and 3.4	QUIZ	Q	03/21/11	03/25/11
25	3	3.5	HOMEWORK	H	03/22/11	03/25/11
26	3	3.6	HOMEWORK	H	03/22/11	03/25/11
27	3	Quiz #7 sections 3.5 and 3.6	QUIZ	Q	03/23/11	03/26/11
28	3	Test Chapter 3	TEST	T	03/28/11	03/29/11
29	4	4.1	HOMEWORK	H	03/29/11	04/04/11
30	4	4.2	HOMEWORK	H	03/30/11	04/04/11
31	4	Quiz #8 sections 4.1 and 4.2	QUIZ	Q	04/01/11	04/04/11
32	4	4.3	HOMEWORK	H	04/05/11	04/11/11
33	4	4.4	HOMEWORK	H	04/05/11	04/12/11

[34](#)	4	Test Chapter 4	TEST	◆T	04/12/11	04/15/11	
[35](#)	5	5.1	HOMEWORK	H	04/13/11	04/15/11	
[36](#)	5	5.2	HOMEWORK	H	04/14/11	04/19/11	
[37](#)	5	Quiz #9 sections 5.1 and 5.2	QUIZ	Q	04/18/11	04/22/11	
[38](#)	5	5.3	HOMEWORK	H	04/20/11	04/26/11	
[39](#)	5	5.4	HOMEWORK	H	04/20/11	04/26/11	
[40](#)	5	5.5	HOMEWORK	H	04/22/11	04/27/11	
[41](#)	5	Quiz #10 sections 5.3, 5.4 , and 5.5	QUIZ	Q	04/25/11	04/29/11	
[42](#)	5	Test Chapter 5	TEST	◆T	04/28/11	04/29/11	
[43](#)	6	6.1	HOMEWORK	H	04/27/11	05/05/11	
[44](#)	6	6.2	HOMEWORK	H	04/27/11	05/05/11	
[45](#)	6	6.3	HOMEOWRK	H	04/27/10	05/05/11	
[46](#)	6	Chapter 6 Test	TEST	◆T	05/05/11	05/06/11	
[47](#)	1, 2	Final Exam	FINAL	◆T	05/09/11	05/10/11	
[48](#)	3?6	Final exam part chapter 3,4,5,6	FINAL	◆T	05/10/11	05/11/11 6:00pm	

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

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.**

Technical Support

For Blackboard username and password help and for help accessing your online course availability abd 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](.).