Course Syllabus

Department : Mathematics
Course Title : Plane Trigonometry
Section Name : MATH_1316_12
Start Date : 01/19/2011
End Date : 05/13/2011
Modality : FACE-TO-FACE
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 1314passed 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 course 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 syllabus, please contact me! I would be glad to clarify anything for you!

Textbook:
Trigonometry by McKeague, 6TH edition

Attendance:
Attendance is mandatory in order to succeed in this class.

Punctuality:
Be on time for class. Class will start on time.

Courteous:
Please be courteous. Be considerate of others.

Grades:
Your overall grade will be determined by the following:
Homework ~ 15%
Quizzes ~ 15%
Tests ~ 50%
Final ~ 20%
**No homework, quiz or test will be dropped. This means it is critical to do your work and that
all work is completed. It is your responsibility.**

Homework:

Homework will be assigned for each section. The homework is due the next class period. **All work is to be done in PENCIL**. One should do all homework.

Quizzes:
 There will be periodic quizzes. These quizzes will be given at the end of class.

Tests:
Each test will be given at the due date. The final exam is comprehensive.

Materials:
Scientific calculator is mandatory.

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. Please seek help as soon as possible.

IMPORTANT DUE DATES FOR TESTS

CHAPTER 1   February 01, 2011
CHAPTER 2   February 15, 2011
CHAPTER 3   March 01, 2011
CHAPTER 4   March 24, 2011
CHAPTER 5 and 6   April 14, 2011
CHAPTER 7 and 8   May 05, 2011

Final exam is comprehensive. Final exam scheduled for May 12, 2011 at 8:00-10:30.

Required Readings/Materials

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a)   You must purchase the following *required* readings/materials:

   Trigonometry by McKeague   (6th edition)

b)   You are encouraged to buy the following *optional* books/materials

   scientific calculator not a graphing calculator

 Course Requirements (Lectures, Assignments and Assessments)

Topic/Overview:

This is a tentative schedule. Dates are subject to change.

Summary of Assignments & Activities Item(Name)	Type	Description	Due
JANUARY 18, 2011 CHAPTER 1 SECTIONS 1,2	*ASSIGNMENT #1*	*HOMEWORK*	*JANUARY 20, 2011*
JANUARY 20, 2011 CHAPTER 1 SECTIONS 3,4	*ASSIGNMENT #2*	HOMEWORK	*JANUARY 25, 2011*
JANUARY 25, 2011 CHAPTER 1 SECTION 5	ASSIGNMENT #3	HOMEWORK	JANUARY 27, 2011
QUIZ #1 ON CHAPTER 1	QUIZ #1	QUIZ	TBA
JANUARY 27, 2011 CHAPTER 2 SECTIONS 1,2	ASSIGNMENT #4	HOMEWORK	FEBRUARY 03, 2011
FEBRUARY 01, 2011 TEST CHAPTER 1	TEST #1	TEST	FEBRUARY 01, 2011
FEBRUARY 03, 2011 CHAPTER 2 SECTIONS 3,4	ASSIGNMENT #5	HOMEWORK	FERUARY 08, 2011
FEBRUARY 08, 2011 CHAPTER 2 SECTION 5 CHAPTER 3 SECTION 1	ASSIGNEMENT #6	HOMEWORK	FEBRUARY 10, 2011
QUIZ #2 ON CHAPTER 2	QUIZ #2	QUIZ	TBA
FEBRUARY 10, 2011 CHAPTER 3 SECTIONS 2,3	ASSIGNMENT #7	HOMEWORK	FEBRUARY 17, 2011

FEBRUARY 15, 2011 TEST CHAPTER 2	TEST #2	TEST	FEBRUARY 15, 2011
FEBRUARY 17, 2011 CHAPTER 3 SECTIONS 3,4	ASSIGNMENT #8	HOMEWORK	FEBRUARY 22, 2011
FEBRUARY 22, 2011 CHAPTER 3 SECTIONS 4,5	ASSIGNMENT #9	HOMEWORK	FEBRUARY 24, 2011
QUIZ #3 CHAPTER 3	QUIZ #3	QUIZ	TBA
FEBRUARY 24, 2011 CHAPTER 4 SECTION 1	ASSIGNMENT #10	HOMEWORK	MARCH 01, 2011
MARCH 01, 2011 TEST #3 CHAPTER 3	TEST #3	TEST	MARCH 03, 2011
MARCH 03, 2011 CHAPTER 4 SECTIONS 2,3	ASSIGNMENT #11	HOMEWORK	MARCH 08, 2011
MARCH 08, 2011 CHAPTER 4 SECTIONS 3,4	ASSIGNMENT #12	HOMEWORK	MARCH 10, 2011
MARCH 10, 2011 CHAPTER 4 SECTIONS 5,6	ASSIGNMENT #13	HOMEWORK	MARCH 22, 2011
QUIZ #4 CHAPTER 4	QUIZ #4	QUIZ	TBA
MARCH 22, 2011 CHAPTER 4 SECTION 6 CHAPTER 5 SECTION 1	ASSIGNMENT #14	HOMEWORK	MARCH 29, 2011
MARCH 24, 2011 TEST #4 CHAPTER 4	TEST #4	TEST	MARCH 24, 2011
MARCH 29, 2011 CHAPTER 5 SECTIONS 2, 3	ASSIGNMENT #15	HOMEWORK	MARCH 31, 2011

MARCH 31, 2011 CHAPTER 5 SECTIONS 3, 4	ASSIGNMENT #16	HOMEWORK	APRIL 05, 2011
APRIL 05, 2011 CHAPTER 5 SECTIONS 4, 5	ASSIGNMENT #17	HOMEWORK	APRIL 07, 2011
QUIZ #5 CHAPTER 5	QUIZ #5	QUIZ	TBA
APRIL 07, 2011 CHAPTER 6 SECTIONS 1,2, 3	ASSIGNMENT #18	HOMEWORK	APRIL 12, 2011
APRIL 12, 2011 CHAPTER 7 SECTIONS 1, 2	ASSIGNMENT #19	HOMEWORK	APRIL 14, 2011
APRIL 14, 2011 TEST # 5 CHAPTERS 5, 6	TEST #5	TEST	APRIL 19, 2011
APRIL 19, 2011 CHAPTER 7 SECTIONS 3,4	ASSIGNMENT #20	HOMEWORK	APRIL 21, 2011
QUIZ #6 CHAPTER 7	QUIZ #6	QUIZ	TBA
APRIL 21, 2011 CHAPTER 7 SECTIONS 5, 6	ASSIGNMENT #21	HOMEWORK	APRIL 26, 2011
APRIL 26, 2011 CHAPTER 8 SECTIONS 1,2	ASSIGNMENT #22	HOMEWORK	APRIL 28, 2011
MAY 03, 2011 CHAPTER 8 SECTION 3, 4	CLASS DISCUSSION	DISCUSSION	MAY 03, 2011
MAY 05, 2011 TEST #6 CHAPTER 7, 8	TEST #6	TEST	MAY 05, 2011
MAY 12, 2011 FINAL	FINAL EXAMINATION	FINAL	MAY 12, 2011 8:00 - 10:30

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,](#) 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.