Course Syllabus

Department   : Mathematics
Course Title : Plane Trigonometry
Section Name : MATH_1316_WBL
Start Date   : 01/08/13
End Date   : 05/17/13
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 co-requisite: MATH 1314 passed with a C or better or equivalent competency, or an independent school district/OC dual enrollment form.

Prerequisites/Co-requisites

Prerequisite or co-requisite: 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

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.

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: lackey92391
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 and will be done on the computer.

Tests:

Each test will be on paper except the exam on chapter 0. The final exam is comprehensive and will be proctored. Again, the final exam is comprehensive and will be due by May 15, 2013.

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. The OC Math Lab is sometimes open on weekends in the afternoons. 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.

Back Up Plan:
You must have a backup 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 Tentative
CHAPTER 0   Due January 16, 2013
CHAPTER 1   Due by January 28, 2013
CHAPTER 2   Due by February 20, 2013
CHAPTER 3   Due by March 25, 2013
CHAPTER 4   Due by April 8, 2013
CHAPTER 5   Due by April 29, 2013
CHAPTER 6   Due by May 8, 2013

FINAL EXAM due May 15, 2013.

Final exam is comprehensive.
Required Readings/Materials

   a)   You will be using 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)

Summary of Assignments & Activities

[1](#)	0	0.1	H	✔	01/04/13	01/16/13
[2](#)	0	0.2	H	✔	01/04/13	01/16/13
[3](#)	0	0.3	H	✔	01/04/13	01/16/13
[4](#)	0	0.4	H	✔	01/04/13	01/16/13
[5](#)	0	Chapter 0 Test	T	✔	01/14/13	01/16/13
[6](#)	1	1.1	H	✔	01/11/13	01/24/13
[7](#)	1	1.2	H	✔	01/11/13	01/24/13
[8](#)	1	Quiz #1 sections 1 and 2	Q	✔	01/11/13	01/24/13
[9](#)	1	1.3	H	✔	01/11/13	01/24/13
[10](#)	1	1.4	H	✔	01/11/13	01/24/13
[11](#)	1	chapter 1.4a	H	✔	01/11/13	01/24/13
[12](#)	1	Quiz #2 sections 3 and 4	Q	✔	01/11/13	01/24/13
[13](#)	1	1.5	H	✔	01/11/13	01/24/13
[14](#)	1	1.6	H	✔	01/11/13	01/24/13
[15](#)	1	Quiz #3 sections 5 and 6	Q	✔	01/11/13	01/24/13
[16](#)	2	2.1	H	✔	01/23/13	02/15/13
[17](#)	2	2.2	H	✔	01/23/13	02/15/13
[18](#)	2	2.3	H	✔	01/23/13	02/15/13
[19](#)	2	Quiz #4 sections 1,2,3	Q	✔	01/23/13	02/15/13
[20](#)	2	2.5	H	✔	01/23/13	02/15/13
[21](#)	2	2.4	H	✔	01/23/13	02/15/13
[22](#)	3	3.1	H	✔	02/20/13	03/21/13
[23](#)	3	3.2	H	✔	02/20/13	03/21/13
[24](#)	3	3.3	H	✔	02/20/13	03/21/13

25	3	Quiz #5 sectios 1,2	Q	✔	02/20/13	03/21/13
26	3	3.1,3.2,3.3	H	✔	02/20/13	03/21/13
27	3	3.4	H	✔	02/20/13	03/21/13
28	3	Quiz #6 sections 3,4	Q	✔	02/20/13	03/21/13
29	3	3.5	H	✔	02/20/13	03/21/13
30	3	3.6	H	✔	02/20/13	03/21/13
31	3	3.4,3.5,3.6	H	✔	02/20/13	03/21/13
32	3	Quiz #7 chapter 3 section 5 and 6	Q	✔	02/20/13	03/21/13
33	4	4.1	H	✔	03/19/13	04/03/13
34	4	4.2	H	✔	03/19/13	04/03/13
35	4	Quiz #8 section 1 and 2	Q	✔	03/19/13	04/03/13
36	4	4.3	H	✔	03/19/13	04/03/13
37	4	4.4	H	✔	03/19/13	04/03/13
38	5	5.1	H	✔	04/09/13	04/24/13
39	5	5.2	H	✔	04/09/13 11:59am	04/24/13
40	5	Quiz #9 sections 1,2	Q	✔	04/09/13	04/24/13
41	5	5.3	H	✔	04/09/13	04/24/13
42	5	5.5	H	✔	04/09/13	04/24/13
43	5	5.4	H	✔	04/09/13	04/24/13
44	5	Quiz #10 sections 3,4,5	Q	✔	04/09/13	04/24/13
45	6	6.1	H	✔	04/23/13	05/08/13
46	6	6.2	H	✔	04/23/13	05/08/13
47	6	6.3	H	✔	04/23/13	05/08/13
48	6	Quiz #11 chapter	Q	✔	04/30/13	05/08/13

		sections 1,2,3				
[49](#)	6	6.4	H	✔	04/23/13	05/08/13
[50](#)	6	6.5	H	✔	04/23/13	05/08/13
[51](#)	6	Quiz #12 chapter 6 sections 4,5	Q	✔	04/30/13	05/08/13

THE TESTS WILL BE DONE AT THE END OF EACH CHAPTER. The tests are NOT done through MYMathLab, but will be done on paper and graded by me.

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](#).

Expectations for Engagement – Online Learning

To help make the web-based learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the online learning environment. Students and instructors are welcome to exceed these requirements.

Reasonable Expectations of Engagement for Instructors

1. As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will
   - provided my contact information at the beginning of the syllabus;
   - respond to all messages within 24 hours if received Monday through Thursday and within 48 hours if received Friday through Sunday; and,
   - notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or for my supervisor) in case of emergencies **during the time I'm unavailable.**

2. As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will
   - provide clear information about grading policies and assignment requirements in the course syllabus, and
   - communicate any changes to assignments and/or to the course calendar to students as quickly as possible.

3. As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will
   - post grades for discussion postings within one week of the discussion thread closing.
   - provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

Reasonable Expectations of Engagement for Students

1. As a student, I understand that I am responsible for keeping up with the course. To help with this, I will
   - line up alternative computer and internet access in case my primary computer crashes or my internet services is unavailable;
   - recognize that the college provides free wi-fi and computer labs during regular campus hours to help me with accessing my course; and,
   - understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my equipment or service is unreliable.

2. As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to
   - getting "kicked off" of the system during tests or quizzes;

- having trouble submitting assignments; and
- dealing with a traumatic personal event.

3. As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will
    - seek out help from my instructor and/or from tutors;
    - **ask questions if I don't understand; and,**
    - access my course several times during the week to keep up with assignments and announcements.

"The Student Evaluation of Instruction process for face-to-face and online courses is scheduled for the end of April."