

Math 1316.12
Trigonometry – Lecture Based
Fall 2012
08/27/12 – 12/14/2012

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Class : ET 110

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 information, please contact me! I would be glad to clarify anything for you! Good luck!

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.

Institutional Core Objectives

- 1 Critical Thinking Skills
- 3 Empirical and Quantitative Skills

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.
- 5.0 Topics from analytic geometry, including conic sections, rotation of axes, parametric equations, and the use of polar coordinates.

Required Materials

Required Textbook: *Trigonometry* by McKeague, 6 Edition, Brooks/Cole Cengage Learning

Materials: Scientific Calculator
Graphing paper (optional)

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.

Term Grade

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

	Homework	Quizzes	Exams 7-8	Final Exam
Percentage	10%	15%	50%	25%
Drops	0	0	0	0

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

Homework

Homework will be assigned for each section. The homework is due the next class period.
All homework should be done in PENCIL. ALL WORK SHOULD BE DONE IN PENCIL.

Quizzes

Quizzes will generally be given near the end of class. There will generally be at least one quiz per week.

Communication

Communication plays a vital role in a student's success. .

Exams

Exams are generally given at the end of each chapter.

Tutoring

Tutoring is available through Developmental Studies and in the OC Math Lab. The hours for the math lab are Mon-Thurs 8:00 AM – 9:30 PM and Fri 8:00 AM – 1:00 PM.

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.

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 (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 students' and instructors' right to academic freedom can be found in the Odessa College Student Handbook.

The test dates are tentative.

Chapter	Suggested Date
1	9/11 (Tuesday)
2	9/25 (Tuesday)
3	10/9 (Tuesday)

4	10/25 (Thursday)
5,6	11/15 (Thursday)
7,8	12/06 (Thursday)
Final	12/13 (Thursday) at 8:00 AM- 10:20 AM

Expectations for Engagement – Face to Face Learning

To help make the learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the 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 in a timely manner through telephone, email, or next classroom contact; 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
 - return classroom activities and homework within one week of the due date and
 - 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
 - attend the course regularly and line up alternative transportation in case my primary means of transportation is unavailable;
 - recognize that the college provides free wi-fi, computer labs, and library resources during regular campus hours to help me with completing my assignments; and,

- understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my personal computer equipment or internet 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,
 - missing class when a major test is planned or a major assignment is due;
 - having trouble submitting assignments;
 - dealing with a traumatic personal event; and,
 - having my work or childcare schedule changed so that my classroom attendance is affected.
 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,
 - attend class regularly to keep up with assignments.

“The Student Evaluation of Instruction process for face-to-face and online courses is scheduled for the week of November 26th.”