

COURSE SYLLABUS

Department : Mathematics

Course Title : Precalculus Math

Section Name : MATH_2412_413

Start Date : 01/18/2011

End Date : 05/13/2011

Modality : FACE-TO-FACE

Instructor Information

Name : Debra Lackey

OC Email : dlackey@odessa.edu

OC Phone # : (432) 335-6360

Course Description

MATH 2412 Pre-Calculus Math (27.0101.5819) (4-0) 4 hours

Presents the study of applications of algebra and trigonometry, elementary functions and their graphs including polynomial, rational, exponential, logarithmic, and trigonometric functions, conic sections, rotation of axes, parametric equations and the use of polar, cylindrical and spherical coordinates. 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 describe these meanings to others. (SCANS 3, 8, 9, 11)

Prerequisites/Corequisites

Prerequisite: MATH 1314 passed with a C or better or equivalent

Scans

3, 8, 9, 11

Course Objectives

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

- 1.0 Algebraic functions and their graphs, including polynomial, rational, exponential, and logarithmic functions.
- 2.0 The basic trigonometric functions in terms of angles, right triangles, circular functions and their graphs.
- 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.

Welcome to precalculus! 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:
Precalculus by Stewart

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 make sure 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.**

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

These dates are tentative dates for the exams.

CHAPTER 4 January 27, 2011

CHAPTER 5 February 15, 2011

CHAPTER 6 March 03, 2011

CHAPTER 7 March 24, 2011

CHAPTER 8 April 07, 2011

CHAPTER 10 April 27, 2011

CHAPTER 12 May 05, 2011

Final exam is comprehensive. Final exam scheduled for May 10, 2011 at 11:00-1:30.

Required Readings/Materials

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

PRECALCULUS BY STEWART

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

SCIENTIFIC CALCULATOR

Course Requirements (Lectures, Assignments and Assessments)

Summary of Assignments & Activities

SPRING BREAK MARCH 14 – MARCH 18, 2011

Item(Name)	Type	Description	Due
WEEK #1 JANUARY 18 – JANUARY 20 CHAPTER 4 SECTIONS 1,2,3	Homework Quiz	Homework for section 4.1, 4.2, 4.3 Quiz	TBA
WEEK #2 JANUARY 24- JANUARY 27 CHAPTER 4 SECTIONS 4, 5	Homework TEST	Homework for section 4.4, 4.5 TEST CHAPTER 4	TBA
WEEK #3 JANUARY 31- FEBRUARY 03 CHAPTER 5 SECTIONS 1,2	Homework Quiz	Homework for section 5.1, 5.2 Quiz	TBA
WEEK #4 FEBRUARY 07 – FEBRUARY 10 CHAPTER 5 SECTIONS 3,4	Homework Quiz	Homework for Sections 5.3, 5.4 Quiz	TBA
WEEK #5 FEBRUARY 14- FEBRUARY 17 CHAPTER 6 SECTIONS 1, 2	TEST Homework	Test for chapter 5 Homework for section 6.1, 6.2	TBA
WEEK #6 FEBRUARY 21 – FEBRUARY 24 CHAPTER 6 SECTIONS 3,4,5	Homework Quiz	Homework for section 6.3,6.4,6.5 Quiz	TBA
WEEK #7 FEBRUARY 28 – MARCH 03 CHAPTER 7 SECTION 1	Homework Test	Test for chapter 6 Homework for section 7.1	TBA
WEEK #8 MARCH 07 – MARCH 10 CHAPTER 7 SECTIONS 2,3,4	Homework Quiz	Homework for sections 7.2, 7.3 ,7.4 Quiz	TBA

WEEK #9 MARCH 21 – MARCH 24 CHAPTER 7 SECTION 5 CHAPTER 8 SECTION 1	Homework Test	Homework for section 7.5, 8.1 Test on chapter 7	TBA
WEEK #10 MARCH 28 – MARCH 31 CHAPTER 8 SECTIONS 2,3,4	Homework Quiz	Homework for section 8.2, 8.3, 8.4 Quiz	TBA
WEEK #11 APRIL 04 – APRIL 07 CHAPTER 8 SECTION 5 , CIRCLES, CHAPTER 10 SECTION 1	Homework Test	Homework for sections 8.5, circles, 10.1 Test on chapter8	TBA
WEEK #12 APRIL 11 – APRIL 14 CHAPTER 10 SECTIONS 2,3,4	Homework Quiz	Homework for section 10.2, 10.3, 10.4 Quiz	TBA
WEEK #13 APRIL 18 – APRIL 21 CHAPTER 10 SECTIONS 5,6,7	Homework Quiz	Homework for section 10.5, 10.7 Test on chapter 10	TBA
WEEK #14 APRIL 25 – APRIL 28 CHAPTER 10 REVIEW , TEST CHAPTER 12 SECTION 1	Homework TEST	Homework for section 12.1	TBA
WEEK # 15 MAY 02 – MAY 05 CHAPTER 12 SECTION 2, 3	Homework Quiz Test	Homework 12.2 Quiz Test on chapter 12	TBA
WEEK 16 MAY 10, 2011 FINAL EXAMINATION	FINAL	FINAL EXAMINATION	MAY 10 , 2011 11:00-1:30

GRADING POLICY

Class Grade:	HOMEWORK	15%
	QUIZZES	15%
	TESTS	50%
	FINAL	20%

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 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](#).