

Course Syllabus

Department : Mathematics
Course Title : College Algebra
Section Name : MATH_1314_711
Start Date : 07/11/2011
End Date : 08/11/2011
Modality : FACE-TO-FACE
Credits :

Instructor Information

Name : Debra Lackey
OC Email : dlackey@odessa.edu
OC Phone # : (432) 335-6360
OC Office : ET 114

Course Description

MATH 1314 College Algebra (27.0101.5419) (3-0) 3 hours
Includes sets, complex numbers, quadratic and quadratic form equations, inequalities, functions, systems of equations and topics selected from exponential and logarithmic functions, matrices, determinants, binomial theorem, math induction and sequences and series. 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. Placement testing is available. (SCANS 3, 8, 9, 11)
Prerequisite: MATH 0375 passed with a "C" or better, high school Algebra II, or an independent school district/OC dual enrolment form.

Prerequisites/Co-requisites

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Scans

(SCANS 3, 8, 9, 11)

Course Objectives

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

- 1.0 Functions and graphs
- 2.0 Polynomials and rational functions
- 3.0 Exponential and logarithmic functions
- 4.0 Systems of equations and matrices
- 5.0 Conic sections
- 6.0 Other topics in algebra

Classroom Procedure

Your success depends on your efforts in class.

Attendance is necessary to understand the material.

Homework is essential.

Please turn off your cell phones.

ALL WORK NEEDS TO BE DONE IN PENCIL.

Please ask questions and keep up with the daily homework.

Math lab is available for questions.

If you need to contact me, my email is dlackey@odessa.edu

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.

Conduct:

All students will be expected to abide by the Odessa College Code of Classroom Etiquette. If you fail to abide by these rules, you will be asked to leave the classroom or be removed from the class.

Cheating:

Cheating is not tolerated in this class.

Grades:

Your overall grade will be determined by the following:

Homework ~ 10%

Quizzes ~ 20%

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. One should do all homework assignments.

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.

Tutoring:

Tutoring is available through Developmental Studies and in the OC Math Lab. Please seek help as soon as possible.

Required Readings/Materials

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

College Algebra 8th edition by Larson

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

scientific calculator

graph paper

pencil and paper

Course Requirements (Lectures, Assignments and Assessments)

Week 1

Topic/Overview: This week focuses on

Summary of Week 1 Assignments & Activities

Item(Name)	Type	Descripti
<i>JULY 11, 2011 - JULY 14, 2011</i> CHAPTER 2 SECTION 1, 2, 3, 4, 5, 6, 7 CHAPTER 3 SECTION 1	ASSIGNMENT #1, 2, 3 QUIZ # 1, 2 TEST #1	HOMEWORK QUIZ TEST

Week 2

Topic/Overview: This week focuses on

Summary of Week 2 Assignments & Activities

Item(Name)	ASSIGNMENT Type	Description
<i>JULY 18, 2011 - JULY 21, 2011</i> <i>CHAPTER 3 SECTIOS 2, 3, 4</i> <i>CHAPTER 4 SECTIIONS 1,2,3</i>	<i>ASSIGNMENT #4, 5, 6, 7</i> <i>QUIZ #3, 4, 5</i> <i>TEXT #2</i>	<i>HOMEWORK</i> <i>QUIZ</i> <i>TEST</i>

Week 3

Topic/Overview: This week focuses on

Summary of Week 3 Assignments & Activities

Item(Name)	Type	Description
<i>JULY 25, 2011 - JULY 28, 2011</i> <i>CHAPTER 4 SECTIONS 4</i> <i>CHAPTER 5 SECTIONS 1, 2, 3, 4, 5</i> <i>CHAPTER 6 SECTION 1, 2</i>	<i>ASSIGNMENT 8, 9, 10, 11</i> <i>QUIZ #6, 7</i> <i>TEST #3 AND #4</i>	<i>HOMEWORK</i> <i>QUIZ</i> <i>TEST</i>

Week 4

Topic/Overview: This week focuses on

Summary of Week 4 Assignments & Activities

Item(Name)	Type	Descriptio
AUGUST 01, 2011 - AUGUST 04, 2011 CHAPTER 6 SECTIONS 3, 5 CHAPTER 7 SECTIONS 2, 3, 4, 5 CHAPTER 8 SECTIONS 1, 2	<i>ASSIGNMENT 12, 13, 14, 15</i> <i>QUIZ # 8, 9, 10</i> <i>TEST #5</i> <i>PROJECT</i>	<i>HOMEWORK</i> <i>QUIZ</i> <i>TEST</i> <i>PROJECT</i>

Week 5

Topic/Overview: This week focuses on

Summary of Week 5 Assignments & Activities

Item (Name)	Type	Description
<p>AUGUST 08, 2011 - AUGUST 11, 2011 CHAPTER 8 SECTIONS 3, 5, 6 7</p>	<p>ASSIGNMENT 16, 17</p> <p>QUIZ #11, 12</p> <p>TEST #6</p> <p><i>FINAL EXAMINATION</i></p> <p><i>COMPREHENSIVE</i></p>	<p>HOMework</p> <p>QUIZ</p> <p>TEST</p> <p>FINAL</p>

EXERCISES, TESTS AND QUIZZES ARE SUBJECT
TO CHANGE! The final is comprehensive and is
given on

August 11, 2011.

Course Grading:

Grades:

Your overall grade will be determined by the following:

Homework: 10%

Quizzes: 20%

Tests: 50%

Final: 20%

Homework

Homework will be assigned for each section. There are due dates for the completion of the homework. Homework is due the next class period. Please use pencil.

Quizzes

Quizzes will be given periodically during the semester. You may use your notes on the some of the quizzes only.

Tests

Tests will generally be given at the end of a chapter or chapters. No notes are used on the exam unless noted.

Final

The final is comprehensive. The final is scheduled for **AUGUST 11, 2011**
AT 8:00 – 10:20 A.M.

Percentage %	Grade
90-100	A

80-89	B
70-79	C
60-69	D
<60	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 catalogue \(print books, videos, e-books\)](#) 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](#), 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
[athttps://www.odessa.edu/dept/ssc/helpdesk_form.htm](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](#).