

# Course Syllabus

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**Department** : Mathematics  
**Course Title** : College Algebra  
**Section Name** : MATH\_1314\_29  
**Start Date** : 01/18/11  
**End Date** : 05/13/11  
**Modality** : FACE-TO-FACE  
**Credits** :

## Instructor Information

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

## Course Description

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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 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 enrollment form.

## Prerequisites/ Corequisites

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Prerequisite: MATH 0375 passed with a C or better, high school Algebra II, or an independent school district/OC dual enrollment form.

## [Scans](#)

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(SCANS 3, 8, 9, 11)

## Course Objectives

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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 PROCEEDURE

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**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](mailto: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 ~ 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. 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

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- 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)**

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THIS SCHEDULE IS SUBJECT TO CHANGE. SOME OF THE DATES MAY CHANGE.



**SPRING BREAK MARCH 14 – MARCH 18, 2011**

<b>Item(Name)</b>	<b>Type</b>	<b>Description</b>	<b>DUE</b>
HW 2.1	Homework	Homework for section 2.1	January 21, 2011
HW 2.2	Homework	Homework for section 2.2	January 24, 2011
HW 2.3	Homework	Homework for section 2.3	January 26, 2011
QUIZ #1	Quiz	Quiz for chapter 2	TBA
HW 2.4	Homework	Homework for section 2.4	January 28, 2011
HW 2.5	Homework	Homework for section 2.5	January 31, 2011
HW 2.6	Homework	Homework for section 2.6	February 02, 2011
QUIZ #2	Quiz	Quiz for chapter 2	TBA
HW 2.7	Homework	Homework for section 2.7	February 04, 2011
HW 3.1	Homework	Homework for section 3.1	February 09, 2011
Chapter 2 Test	Test	Chapter 2 Test	February 07, 2011
HW 3.2	Homework	Homework for section 3.2	February 11, 2011
HW 3.3	Homework	Homework for section 3.3	February 14, 2011
HW 3.4	Homework	Homework for section 3.4	February 16, 2011
QUIZ #3	Quiz	Quiz for chapter 3	TBA
HW 3.4	Homework	Homework for section 3.4	February 18, 2011
HW 4.1	Homework	Homework for section 4.1	February 21, 2011
HW 4.2	Homework	Homework for section 4.2	February 25, 2011
HW 4.3	Homework	Homework for section 4.3	February 28, 2011
Chapter 3 Test	Test	Chapter 3 Test	February 23, 2011
HW 4.4	Homework	Homework for section 4.4	March 02, 2011
HW 4.4	Homework	Homework for section 4.4	March 04, 2011
HW 5.1	Homework	Homework for section 5.1	March 07, 2011
HW 5.2	Homework	Homework for section 5.2	March 09, 2011

QUIZ #4	Quiz	Quiz on Chapter 4	TBA
HW 5.2	Homework	Homework for section 5.2	March 21, 2011
CHAPTER 4 TEST	Test	Chapter 4 Test	March 11, 2011
HW 5.3	Homework	Homework for section 5.3	March 23, 2011
HW 5.4	Homework	Homework for section 5.4	March 25, 2011
HW 5.4	Homework	Homework for section 5.4	March 28, 2011
HW 5.5	Homework	Homework for section 5.5	March 30, 2011
QUIZ #5	Quiz	Quiz on chapter 5	TBA
HW 6.1	Homework	Homework for section 6.1	April 04, 2011
CHAPTER 5 TEST	Test	Chapter 5 Test	April 01, 2011
HW 6.2	Homework	Homework for section 6.2	April 06, 2011
HW 6.3	Homework	Homework for section 6.3	April 08, 2011
QUIZ #6	Quiz	Quiz on chapter 6	TBA
HW 6.5	Homework	Homework for section 6.5	April 11, 2011
HW 7.2	Homework	Homework for section 7.2	April 13, 2011
HW 7.1	Homework	Homework for section 7.1	April 15, 2011
HW 7.3	Homework	Homework for section 7.3	April 18, 2011
HW 7.4,7.5	Homework	Homework for section 7.4,7.5	April 20, 2011
QUIZ #7	Quiz	Quiz on chapter 7	TBA
HW 8.1,8.2	Homework	Homework for section 8.1,8.2	April 25, 2011
HW 8.3	Homework	Homework for section 8.3	April 29, 2011
HW 8.6	Homework	Homework for section 8.6	May 02, 2011
CHAPTER 6, 7 TEST	Test	Chapters 6 and 7 Test	April 27, 2011
HW 8.7	Homework	Homework for section 8.7	May 04, 2011
HW 8.5	Discussion	Discussion on 8.5	May 04, 2011
Chapter 8 Test	Test	Chapter 8 Test	May 06, 2011



Final Exam	Final Exam	Comprehensive final	May 11, 2011 8:00 - 10:30 a.m.
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## Course Grading:

Your overall grade will be determined by the following:

**Homework: 15%**                      **Tests: 50%**

**Quizzes: 15%**                      **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 quizzes only.

### Tests

Tests will generally be given at the end of a chapter or chapters.

### Final

The final is comprehensive. The final is scheduled for May 11, 2011 at 8:00 - 10:30.

### Grades

Percentage %	Grade
90-100	A
80-89	B
70-79	C
60-69	D
<60	F

### Special Needs

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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)

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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

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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

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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

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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](https://www.odessa.edu/dept/ssc/helpdesk_form.htm).

## Important School Policies

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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](#).