

# Course Syllabus

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**Department** : Mathematics  
**Course Title** : College Algebra  
**Section Name** : MATH\_1314\_WB  
**Start Date** : 07/11/2011  
**End Date** : 08/11/2011  
**Modality** : ONLINE  
**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 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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Prerequisite: MATH 0375 passed with a "C" or better, high school Algebra II, or an independent school district/OC dual enrolment 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

Welcome to college algebra! This email 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! **Please understand that you must dedicate a great deal of time and effort into being successful in this course.**

Required Software: MyMathLab

Course ID: lackey65987

Textbook: College Algebra by Blitzer, 5th Edition, Pearson Prentice Hall 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. There will be a project that must be sent via email or on paper to my office.

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. .

#### Tests

Each test will be available through its due date. After the due date has passed, the tests will be reviewed for partial credit. To see a list of the due dates, go to the Course Information link in MyMathLab. **The final exam is comprehensive and will be proctored. You must present a picture ID before taking the final exam. If you are an OC student, you will take your final exam in the Math department. For all other students, please inform me as to where you will take your exam and who will be administering the test. Again, the final exam is comprehensive and will be due by 5:00 PM on August 11, 2011.**

#### Prerequisites

#### Tutoring

Tutoring is available through Developmental Studies and in the OC Math Lab. You may contact me for additional help.

#### 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**

<b>CHAPTER 1</b>	<b>Due July 16, 2011</b>
<b>CHAPTER 2</b>	<b>Due July 23, 2011</b>
<b>CHAPTER 3</b>	<b>Due July 29, 2011</b>
<b>CHAPTER 4</b>	<b>Due August 04, 2011</b>
<b>CHAPTER 5 and 6</b>	<b>Due August 07, 2011</b>
<b>CHAPTER 8</b>	<b>Due August 10, 2011</b>
<b>FIANL EXAM P.M.</b>	<b>Due August 11, 2011 by 5:00</b>

### **Required Readings/Materials**

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a) You must purchase the following **required** readings/materials:  
Optional Textbook: College Algebra by Blitzer, 5th Edition, Pearson  
Prentice Hall Publishing Co.

b) You are encouraged to buy the following *optional*  
books/materials  
SCIENTIFIC CALCULATOR NOT A GRAPHING CALCULATOR

## Course Requirements (Lectures, Assignments and Assessments)

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### Summary of Assignments & Activities

<u>Order</u>	<u>Ch.</u>	<u>Item (name) Type</u>	<u>Descri</u>
<u>1</u>	1	HW Section 1.1 HOMEWORK	
<u>2</u>	1	HW Section 1.2 HOMEWORK	
<u>3</u>	1	HW Section 1.3 HOMEWORK	
<u>4</u>	1	Quiz #1 Chapter1 Sections 1,2,3	QUIZ
<u>5</u>	1	HW Section 1.4 HOMEWORK	
<u>6</u>	1	HW Section 1.5 HOMEWORK	
<u>7</u>	1	HW Section 1.6 HOMEWORK	
<u>8</u>	1	HW Section 1.7 HOMEWORK	
<u>9</u>	1	Quiz #2 Chapter1 sections 4,5,6,and 7	QUIZ

<a href="#">10</a>	1	Chapter 1 Exam To Be Graded	TEST
<a href="#">11</a>	2	HW Section 2.1 HOMEWORK	
<a href="#">12</a>	2	HW Section 2.2 HOMEWORK	
<a href="#">13</a>	2	HW Section 2.3 HOMEWORK	
<a href="#">14</a>	2	Quiz 3 - Chapter 2 Sections 1,2,3	QUIZ
<a href="#">15</a>	2	HW Section 2.4 HOMEWORK	
<a href="#">16</a>	2	HW Section 2.5 HOMEWORK	
<a href="#">17</a>	2	HW Section 2.6 HOMEWORK	
<a href="#">18</a>	2	HW Section 2.7 HOMEWORK	
<a href="#">19</a>	2	Quiz #4 Chapter 2 Sections 4,5,6,7	QUIZ
<a href="#">20</a>	2	HW Section 2.8 HOMEWORK	
<a href="#">21</a>	2	Chapter 2 Exam To Be Graded	TEST
<a href="#">22</a>	3	HW Section 3.1 HOMEWORK	
<a href="#">23</a>	3	HW Section 3.2 HOMEWORK	
<a href="#">24</a>	3	HW Section 3.3 HOMEWORK	
<a href="#">25</a>	3	HW Section 3.4 HOMEWORK	
<a href="#">26</a>	3	HW Section 3.5 HOMEWORK	
<a href="#">27</a>	3	Quiz #5 Chapter3	QUIZ
<a href="#">28</a>	3	Chapter 3 Exam To Be Graded	TEST
<a href="#">29</a>	4	HW Section 4.1 HOMEWORK	
<a href="#">30</a>	4	HW Section 4.2 HOMEWORK	
<a href="#">31</a>	4	Quiz # 6 Chapter 4	QUIZ
<a href="#">32</a>	4	HW Section 4.3 HOMEWORK	
<a href="#">33</a>	4	HW Section 4.4 HOMEWORK	

<a href="#">34</a>	4	Quiz # 7 Chapter4 sections 4,5,6	QUIZ
<a href="#">35</a>	4	Chapter 4 Exam To Be Graded	TEST
<a href="#">36</a>	5	HW Section 5.1 HOMEWORK	
<a href="#">37</a>	5	HW Section 5.2 HOMEWORK	
<a href="#">38</a>	5	HW Section 5.3 HOMEWORK	
<a href="#">39</a>	5	Quiz #8 Chapter	QUIZ
<a href="#">40</a>	6	HW Section 6.1 HOMEWORK	
<a href="#">41</a>	6	HW Section 6.2 HOMEWORK	
<a href="#">42</a>	6	HW Section 6.3 HOMEWORK	
<a href="#">43</a>	6	HW Section 6.4 HOMEWORK	
<a href="#">44</a>	6	HW Section 6.6 HOMEWORK	
<a href="#">45</a>	6	Quiz #9 Chapter 6 QUIZ	
<a href="#">46</a>	5, 6	Chapter 5 / 6 Exam	TEST
		To Be Graded	
<a href="#">47</a>	8	HW SECTION 8.1 HOMEWORK	
<a href="#">48</a>	8	HW Section 8.2 and 8.3 HOMEWORK	
<a href="#">49</a>	8	HW Section 8.6 HOMEWORK	
<a href="#">50</a>	8	HW Section 8.7 HOMEWORK	
<a href="#">51</a>	8	Quiz #10 Chapter 8	QUIZ
<a href="#">52</a>	8	HW section 8.5 HOMEWORK	
<a href="#">53</a>	8	TEST CHAPTER 8	TEST
<a href="#">54</a>	1,2,3	FINAL EXAM	FINAL

This course is based on Blitzer: College Algebra, 4e  
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## Grading Policy

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Percentage %	Grade
90-100	A
89-80	B
79-70	C
69-60	D
<59	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](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**

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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**

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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](#).