

**Math 1314.19**  
**College Algebra – Lecture Based**  
**Fall 2011**  
**08/22/11 – 12/10/2011**

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**Class :** ET 119

Welcome to college algebra! 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**

MAT 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.  
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

### **Required Materials**

Required Textbook: *College Algebra* by Larson, 8th Edition  
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%      | 20%     | 50%       | 20%        |
| 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.

**Dropping**

The last day to drop a course at Odessa College for the fall session is November 9.

**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.

**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](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](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.

The test dates are tentative.

| Chapter | Suggested Date                    |
|---------|-----------------------------------|
| 2       | 9/12 (Monday)                     |
| 3       | 9/28 (Wednesday)                  |
| 4       | 10/14 (Friday)                    |
| 5       | 10/28 (Wednesday)                 |
| 6.7     | 11/21 (Monday)                    |
| 8       | 12/2 (Friday)                     |
| Final   | 12/5 (Monday) at 8:00 AM-10:20 AM |