

Odessa College
Intermediate Algebra
Fall 2011
08/23/2011 – 12/6/2011

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Course Number: MATH.0375.5245 (2729) Intermediate Algebra

Credit Hours: 3

A developmental course that provides a study of real number operations, linear equations and inequalities including systems, function notation, quadratic inequalities, exponents and radicals, polynomial and radical equations, and their graphs. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning, and problem solving. Credit is not transferable. This course does not satisfy requirements for any degree plan at Odessa College. Placement testing is available. Attendance is mandatory for TASP/THEA liable students. Lab fee required. (SCANS 3, 8, 9) Prerequisite: MATH 0372 passed with a ?C? or better or satisfactory placement score. Co-requisite: 14 hours in the Math Academic Lab

Course Objectives

- 1.0 Performing algebraic operations on rational expressions and equations.

- 2.0 Performing algebraic operations on functions and graphing functions.

- 3.0 Solving systems of linear equations and applied problems.

- 4.0 Solving compound and absolute value inequalities, using basic arithmetic operations with rational expressions and solving applied problems.

- 5.0 Using basic algebraic operations on radicals and complex numbers, simplifying radicals, and solving applied problems with radicals.

- 6.0 Solving quadratic equations by the technique of completing the square and using the quadratic formula and solving applied problems involving quadratic equations.

Textbook: *Elementary and Intermediate Algebra*; Bittinger, 4e

MyMath Lab Software: all homework done with this software

Technology:

Online students must have a valid e-mail address to register for computer software. The email address that you use to register your software will be the email address to which I will send any information or announcements. Please check this account regularly. It is recommended that you use your Odessa College email address. All work is done through the internet, so you need internet access. If you do not have access to the internet, you may use the computers in the math lab.

Method of Evaluation: Homework: 35%

Test: 45%

Final Exam: 20%

Course Grade: Class grade – 86%, Lab Requirement – 14%

Percentage (%)	Grade
90-100	A
80-89.9	B
70-79.9	C
60-69.9	D
Below 60	F

No Make-up on Homework or Test!! Make prior arrangements.

Homework: You will use the My Math Lab software to access and submit homework. Homework will be available online the day we begin a chapter. You may print the problems, work them, and get back online to fill in the answers. Homework will be submitted online at any time before the beginning of the chapter test. **NO LATE WORK WILL BE ACCESSIBLE or ACCEPTED AFTER LATE REGISTRATION.** Completing homework in a timely manner is critical to success in a math class.

Homework Due Dates:

All homework for the chapter is due by 5:30 p.m. on the day of the Chapter Test.

Chapter 6: September 13

Chapter 7: September 22

Chapter 8/9: October 11

Chapter 10: November 3

Chapter 11: November 29

Failure to take Final Exam will result in receiving an F for the class

Attendance: Your Attendance is the greatest indicator of YOUR success. Student attendance at every class is expected. You should expect that each absence would adversely affect your course grade. This is a developmental course and state law requires class attendance. You are allowed 7 missed class days. On the 8th absence you will be given an **F** for the course. You will receive ½ of an absence if you arrive late or leave class early. You will also be counted absent for sleeping during class.

Conduct: All students will be expected to abide by the OC Code of Classroom Etiquette. I have provided a copy for you. If you fail to abide by these rules, you will be asked to leave my classroom or be removed completely from my class.

Math Lab: You are required to attend the Math lab for a total of 14 hours in the semester. Do not wait until the last of the semester. You can receive a maximum of 3 hours credit a week. If you do not attend the lab, it will affect your grade and can even result in a failing grade.

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, Friday from 8:00 AM – 5:00 PM, Saturday and Sunday from 1:00 PM – 5:00 PM.

Dropping

The last day to drop a course at Odessa College for the spring semester of 2011 is Thursday April 14.

Back-Up Plan

You must have a back-up plan for this course in case your primary computer fails during the semester. Please detail the location of the two computers in your student information sheet.

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 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/>.

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.