

Odessa College
Intermediate Algebra
Spring 2013
1/22/13 – 5/17/13

Instructor: Mr. Richard Rose

Faculty Workroom (Office)

ET 123 (Classroom)

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Course Number: MATH.0375.5245 (2736)

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: 50%
Final Exam: 15%

Course Grade: Class grade – 86%, Lab hours – 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 at the end of class. You may print the problems, work them, and get back online to fill in the answers. Homework must be completed prior to the beginning of class on the following Tuesday (unless there is a test scheduled on Thursday). **NO LATE WORK WILL BE ACCEPTED** and the lesson will no longer be accessible once the lesson is closed. Completing homework in a timely manner is critical to success in a math class.

Homework Due Dates:

1st Week: Review Factoring, Parts I (Sections 5.1-5.2) & II (Sections 5.3-5.4)

2nd Week: 6.1-6.4

3rd Week: 6.5-6.6

4th Week: Review Ch 6 & TEST – Ch 6

5th Week: 7.1-7.4

6th Week: TEST – Chapter 7 & Section 8.1

7th Week: 8.2 & 9.1

8th Week: Spring Break (March 11-15, 2013)

9th Week: 9.2, 9.3 and Review Ch 8 & 9

10th Week: TEST – Ch 8 & 9 and Section 10.1

11th Week: 10.2-10.3

12th Week: 10.4-10.5

13th Week: 10.6, 10.8 and Review Ch 10

14th Week: TEST – Ch 10 (Final Exam Review given) & Section 11.1

15th Week: 11.2-11.3 & 11.6 (*Sections 11.4 & 11.5 not covered*)

16th Week: 11.7 & Final Exam Review Discussion

17th Week: Final Exam

Homework will be due by the beginning of the following Tuesday's class (unless there is a test scheduled on Thursday).

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 5 missed class days. On the 6th absent you will be given an F for the course.

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.

Cell Phones: Cell phones and pagers are not allowed in my class. If you must have a cell phone on please turn it to silent. Do not answer in class. You need to wait until I have finished lecturing and then go out in the hall to respond to the call.

Cheating: Cheating is not tolerated in my class. The 1st time you are caught cheating on a paper, homework, assignment, or test, you will receive a 0 for that assignment. The 2nd time you are caught cheating, you will be removed from my class permanently and receive an F for the course. If you are caught letting someone copy your paper, you will receive the same punishment.

Office Hours: I will be available before and after class to discuss any issues that you may have.

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 8:30 AM – 8:30 PM, Friday from 8:30 AM – 1:00 PM, closed on Saturday, and Sunday from 2-5 PM.

Dropping

The last day to drop a course at Odessa College for the Spring Semester of 2013 is Tuesday, April 16th.

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 Success Center

The Odessa College Student Success Coaches will help you stay focused and on track to complete your educational goals. If an instructor sees that you might need additional help or success coaching, he or she may submit a Retention Alert or a Starfish Alert. A Student Success Coach will contact you to work toward a solution.

SEI Evaluation Info: The SEI process for face-to-face and online courses is scheduled for the week of April 28th.

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/>.

Expectations for Engagement – Face to Face Learning

To help make the learning experience fulfilling and rewarding, the following Expectations for Engagement provide the parameters for reasonable engagement between students and instructors for the learning environment. Students and instructors are welcome to exceed these requirements.

Reasonable Expectations of Engagement for Instructors

As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will

- provided my contact information at the beginning of the syllabus;
- respond to all messages in a timely manner through telephone, email, or next classroom contact; and,
- notify students of any extended times that I will be unavailable and provide them with alternative **contact information (for me or for my supervisor) in case of emergencies during the time I'm unavailable.**

As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will

- provide clear information about grading policies and assignment requirements in the course syllabus, and
- communicate any changes to assignments and/or to the course calendar to students as quickly as possible.

As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will

- return classroom activities and homework within one week of the due date and
- provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

Reasonable Expectations of Engagement for Students

As a student, I understand that I am responsible for keeping up with the course. To help with this, I will

- attend the course regularly and line up alternative transportation in case my primary means of transportation is unavailable;
- recognize that the college provides free wi-fi, computer labs, and library resources during regular campus hours to help me with completing my assignments; and,
- understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my personal computer equipment or internet service is unreliable.

As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to,

- missing class when a major test is planned or a major assignment is due;
- having trouble submitting assignments;
- dealing with a traumatic personal event; and,
- having my work or childcare schedule changed so that my classroom attendance is affected.

As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will

- seek out help from my instructor and/or from tutors;
- **ask questions if I don't understand; and,**
- attend class regularly to keep up with assignments and announcements.

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.