

**Odessa College**  
**Introductory Algebra Lecture Class**  
**Spring 2012**  
**01/17 – 05/11**  
**7:00-8:20 pm**

**Instructor:** KAREN HILL

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**Course Number:** MATH 0372

**Your Course Name:**Intro to Algebra - K.Hill Fall 2012

**Your Course ID:** hill25757

**Credit Hours:** 3

A developmental course that introduces elementary algebra with some arithmetic review. Includes signed numbers and rational numbers with operations through exponentiation; algebraic expressions and their operations; linear equations and inequalities including applications, 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 College. Placement testing is available. Attendance is mandatory for TASP/THEA liable students. Lab fee required. (SCANS 3, 8, 9) Prerequisite: MATH 0371 passes with a 'C' or better or satisfactory placement score. Corequisite: 14 hours in the Math Academic Resource Lab.

**Course Objectives**

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| 1.0 | Performing algebraic operations with real numbers.                           |
|     |  |
| 2.0 | Solve equations and inequalities and solve applied problems.                 |
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| 3.0 | Graph equations and inequalities.  |
|     |  |
| 4.0 | Verify equivalent expressions and perform basic operations with polynomials. |
|     |  |
| 5.0 | Perform polynomial operations and factoring algebraic expressions            |

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

**MyMath Lab Software:** all homework done with this software

**Technology:**

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: 40%  
 Math Lab: 14%  
 Test: 26%  
 Final Exam: 20% (Final is comprehensive)

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

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

Aug 28	Information – MyMath Lab Information
Aug 30	1.1 Introduction to Algebra
	1.2 The Commutative, Associative, and Distributive Laws
Sep 4	1.3 Fraction Notation
	1.4 Positive and Negative Real Numbers
Sep 6	1.5 Addition of Real Numbers
	1.6 Subtraction of Real Numbers
Sep 11	1.7 Multiplication and Division of Real Numbers
	1.8 Exponential Notation and Order of Operations
Sep 13	<b>Chapter 1 Test - Homework for Chapter 1 is due today!</b>
Sep 18	2.1 Solving Equations
	2.2 Using the Principles Together
Sep 20	2.3 Formulas
	2.4 Applications with Percent
Sep 25	2.5 Problem Solving
	2.6 Solving Inequalities
Sep 27	2.7 Solving Applications with Inequalities
Oct 2	<b>Chapter 2 Test - Homework for Chapter 2 is due today!</b>
Oct 4	3.1 Reading Graphs, Plotting Points and Estimating Values
	3.2 Graphing Linear Equations
Oct 9	3.3 Graphing and Intercepts
	3.5 Slope
Oct 11	3.6 Slope-Intercept Form
	3.7 Point-Slope Form
Oct 16	<b>Chapter 3 Test - Homework for Chapter 3 is due today!</b>
Oct 18	4.1 Exponents and Their Properties
Oct 23	4.2 Negative Exponents and scientific Notation
Oct 25	4.3 Polynomials
	4.4 Addition and subtraction of Polynomials
Oct 30	4.5 Multiplication of Polynomials
	4.6 Special Products
Nov 1	4.7 Polynomials in Several Variables
Nov 6	4.8 Division of Polynomials
Nov 8	<b>Chapter 4 Test - Homework for Chapter 4 is due today!</b>
Nov 13	5.1 Introduction to Factoring

Nov 15	5.2 Factoring Trinomials of the Type $x^2 + bx + c$
	5.3 Factoring Trinomials of the Type $ax^2 + bx + c$
Nov 27	5.4 Factoring Perfect-Square Trinomials and differences of Squares
Nov 29	5.5 Factoring Sums or Differences of Cubes
Dec 4	5.6 Factoring: A General Strategy
Dec 6	5.7 Solving Polynomial Equations by Factoring
Dec 10 - 14	Finals Week - <b>Homework for Chapter 5 is due today!</b>
Dec 11	Final Exam 5:30 – 8:00

**NOTES:** You can print out the notes for class at <https://sites.google.com/site/intro372>  
Please bring them to class with you.

**Attendance:** Your Attendance is the greatest indicator of YOUR success. You will receive  $\frac{1}{2}$  of an absence if you arrive late or leave class early or don't have your supplies. 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 6<sup>th</sup> absent you will be given an **F** for the course.

**Math Lab:** You are required to attend the Math lab for a total of 7 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. Math Lab is 14% of final course grade.

**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.

#### **Dropping**

The last day to drop a course at Odessa College for the fall semester of 2012 is Wednesday, Nov. 14th.

**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.

**Cheating:** Cheating is not tolerated in my class. Cheating also includes copying answers out of the back of the book. All work must be shown on homework paper that is turned in. Any homework turned in that shows only answers will receive a 0. The 1<sup>st</sup> time you are caught cheating on a paper, homework, assignment, or test, you will receive a 0 for that assignment. The 2<sup>nd</sup> 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.

**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/>. **All assignments or correspondence will be submitted using your Odessa College email.**

### **Student Portal**

### **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.

### **Student Success Coaches**

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.

### **Reasonable Expectations of Engagement for Instructors**

1. 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.
2. 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.
3. 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**

1. 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.

2. 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.

3. 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.