

**East Los Angeles College**  
**Department of Mathematics**  
**Winter 2018**  
*Math 125*

- Course:** *Intermediate Algebra* Section 14021  
Monday to Thursday  
8:00 AM to 12:50 PM  
G5-008
- Course Description:** This course strengthens and further develops manipulative skills in Elementary Algebra. Topics include the fundamental operations on algebraic expressions, solutions of equations and inequalities, exponentiation, graphs of algebraic, exponential and logarithmic functions, systems of equations and inequalities, and introduction to conic sections. Applications are included in a wide variety of word problems.
- Instructor:** Daniel Judge
- Contact Information:** (323) 415-5364  
[judgedd@elac.edu](mailto:judgedd@elac.edu)  
<http://www.ddjudge.com>
- Office Hours:** G5-111G  
Monday to Thursday  
12:55 PM to 1:45 PM
- Textbook:** Elementary and Intermediate Algebra, 3<sup>rd</sup> custom edition, by Bittinger, Ellenbogen, and Johnson.
- Student Learning Outcomes:** Given a quadratic equation in the form of  $y = a(x - h)^2 + k$ , students will,
- a. State whether the parabola opens upwards or downwards
  - b. Find the coordinates of the vertex
  - c. Write the axis of symmetry
  - d. Find the x-intercept(s)
  - e. Find the y-intercept(s)
  - f. Graph and label the points
- Exam Information:** There will be four tests and a comprehensive final examination. The lowest of the four tests will be dropped and will be replaced with a prorated portion of the final exam score, if it is greater than your lowest test score. No make up tests are allowed, unless a valid reason exists with proof. Students requesting a make up exam will be required to justify and document their reasons for missing a test and have the missed test made up within a week of the missed exam during my office hours. Otherwise, it will turn into a 0 test score.
- Homework Information:** Homework will be assigned and collected the day you take your tests. Refer to the testing schedule to determine the days your homework is due.

**Notebook:** Students will be required to take notes during lecture of all classes attended. You will date your notes every day you attend. On the day of your tests and final exam, you will turn in your notebook that contains your lecture notes and HW. This notebook will be returned to you graded on the same day of your exams, so that the process can start over.

**Grade Information** Grades are determined by the amount of points that are earned.

<b>Point Distribution</b>	
Test 1	150 points
Test 2	150 points
Test 3	150 points
Test 4	150 points
Homework	50 points
Lecture Notes	50 points
Final	300 points

<b>Scale</b>	
1000 to 900 points	<b>A</b>
899 to 800 points	<b>B</b>
799 to 700 points	<b>C</b>
699 to 600 points	<b>D</b>
599 to 0 points	<b>F</b>

**Calculator Policy:** No calculators will be used in this class.

**Attendance Policy:** The student is expected to attend every meeting of all classes for which he or she is registered. It is the responsibility of the student to notify the instructor of circumstances which will prevent attendance at any meeting of the class. Whenever absence in hours exceed the number of hours the class meets per week, students may be excluded from class by the instructor. It is the student's responsibility to drop from a course, if they intend to no longer be enrolled in the course.

**DSPS:** Students with disabilities who need reasonable accommodation should promptly alert the instructor, then provide verification of disability to the Disabled Students Program located in E1-106 or call (323) 265-8787 to make an appointment. If a student with a disability feels that accommodations offered are inappropriate or insufficient, she/he should seek the assistance of the DSP&S Coordinator and/or the Vice President of Student Services.

**9803.28 Academic Dishonesty.** Violations of Academic Integrity include, but are not limited to, the following actions: cheating on an exam, plagiarism, working together on an assignment, paper or project when the instructor has specifically stated students should not do so, submitting the same term paper to more than one instructor, or allowing another individual to assume one's identity for the purpose of enhancing one's grade.

**Cheating Policy:** Cheating constitutes academic dishonesty and will be handled as part of the grading process. If students are caught cheating on a test, or final, there will be a zero assigned for the assignment and a letter written to the Dean of Students, or International Student's Office, requesting they take formal action against the student.

**Incomplete Policy:** Incompletes are given to those students that can say yes to all of the following questions.

1. You have an emergency that requires you to miss instruction.
2. The emergency has taken place after the withdrawal deadline.
3. You are passing at the time of the emergency and incomplete request.

**Class Rules:**

The following rules will be enforced.

1. Talking is prohibited during course instruction, tests, and final examination. This distracts the instructor as well as neighboring students, so please be courteous.
2. If you are late, please enter the room quietly and discretely. This distracts the instructor as well as neighboring students, so please be courteous.
3. Turn off your cell phones or put them on vibrate during class time. This distracts the instructor as well as neighboring students, so please be courteous.
4. Any student who disrupts the class in any manner by talking, cursing, laughing, or in any other way, will be warned once and dropped from the course, if the behavior continues. I will not reinstate you once I've dropped you for behavior.
5. There is no sleeping during class time. If you are caught sleeping during class lecture, I will ask you to leave the classroom and come back when you are rested enough to attend and take lecture notes.

<i>Math 125</i>	Monday	Tuesday	Wednesday	Thursday
	1-Jan	2-Jan	3-Jan	4-Jan
Week 1	Introduction Compound Inequalities	Absolute Value Equations Absolute Value Inequalities	Square Roots Cube Roots	Simplifying Radicals Adding/Subtracting Radicals
Week 2	8-Jan <b>Test 1</b> Mult Radicals Dividing Radicals <b>HW 1 Due</b>	9-Jan Complex Numbers Complex Add and Sub Complex Mult and Div	10-Jan Square Root Formula Quadratic Equations	11-Jan Radical Equations Quadratic In Form
Week 3	15-Jan <b>Campus Closed</b> MLK Day	16-Jan <b>Test 2</b> Complete The Square <b>HW 2 Due</b>	17-Jan Graphing Quadratics	18-Jan Non-Linear Inequalities
Week 4	22-Jan <b>Test 3</b> Conic Sections <b>HW 3 Due</b>	23-Jan Functions Inverse Functions	24-Jan Exponential Functions	25-Jan Logarithmic functions
Week 5	29-Jan <b>Test 4</b> Exponential Equations Logarithmic Equations <b>HW 4 Due</b>	30-Jan Exponential Applications	31-Jan Systems of Linear Equations	1-Feb <i>Final Exam</i> 8:00 Am to 10:00 AM GS-009 <b>HW 5 Due</b>