

## Los Angeles Pierce College

### MATH 125 - Intermediate Algebra – SUMMER 2017

Sec. # 3153

M-Th 5:30 pm - 9:55 pm

IRIS 0915

**Instructor:**

*Prof. Zarik Evinyan*

**E-mail address:**

*evinyaz@piercecollege.edu*

**E-mail Policy:** My e-mail address is for consultation purposes not for information such as what you'd like me to relay to you. For example, I will not reply with what was lectured in class. Please do not expect an answer to such e-mail messages. Students missing class are responsible for finding out what they missed and what is due. I suggest exchanging emails or get phone numbers from a few classmates, in case you do miss class.

**Office hours:** 5:00 pm - 5:30 pm

**IRIS 0915**

**Required:** *Text Book:* "Intermediate Algebra" by Sullivan & Struve, 3<sup>th</sup> edition.

On-line MyMathLab Access Code: MyMathLab Access Code is bundled with a new textbook. If you buy a used textbook, you need to also purchase MyMathLab Access Code.

**Calculators:** A scientific calculator will be allowed for homework, quizzes and exams.

**Prerequisite:** Math 115 or satisfactory score on placement exam.

**Important days.**

*06/14/17 - Last day to drop classes without receiving a "W"*

*07/04/17 – Independence Day Holiday - campus closed*

*07/07 /17-- Last day to drop a class with a "W"*

*07/13/17- Final Exam*

#### **STUDENT LEARNING OUTCOMES (SLO):**

To teach students to learn and retain mathematical concepts, critical-thinking skills, to reason mathematically, to communicate mathematically and to solve mathematical problems which will prepare the student to pursue further studies.

Upon successful completion of Intermediate Algebra (Math 125) the student will be able to:

1. Represent and analyze basic functions and their applications using tables, graphs, and equations. Use and interpret function notation in both algebraic and graphical contexts.
2. Write and analyze linear models for functions with constant rate of change. Graph linear equations and interpret slope as a rate of change in real world situations... Model problems involving two or more unknowns by writing and solving systems of equations or inequalities.
3. Formulate and analyze quadratic modes, such as projectile motion, revenue functions, and problems involving area or the Pythagorean Theorem, and applications of conic sections, such as planetary orbits.

4. Apply and interpret exponential modes such as population growth and compound interest, and logarithmic scales such as pH and earthquake magnitude.

5. Use exponents and radicals to analyze power function models in applications such as direct and inverse variation and allometry (scaling in Physiology).

#### **ASSESSMENT METHOD:**

The Student Learning Outcome for this course will be assessed with the MET SLO and outcomes assessment tool.

#### **COURSE DESCRIPTION:**

Topics include the study of polynomials and rational expressions, including exponents and radicals, solutions of equations and inequalities, functions and their graphs, system of equations, exponential and logarithmic functions, sequences, series and the Binomial Theorem.

#### **DISABILITY AWARENESS:**

"Students with disabilities, whether physical, learning, or psychological, who believe that they may need accommodations in this class, are encouraged to contact Special Services as soon as possible to ensure that such accommodations are implemented in a timely fashion.

**Authorization, based on verification of disability, is required before any accommodation can be made.** The phone number for Special Services is (818) 719-6430 and they are located in the new Student Services Building, #4800"

#### **ATTENDANCE:**

1. You are expected to attend all class sessions. Please be on time.

Those who arrive late by 10 minutes have the responsibility of informing the teacher of their tardiness at the end of the class; otherwise, you will be counted as absent.

Students arriving after 10 minutes will be marked absent for one hour. (Note that 3 tardies = 1 absence).

2. A student who does not attend all class meetings during the first week at the start of the semester will be dropped by the instructor. After the first week attendance will no longer be recorded by the instructor. This means that (1) attendance will not be a factor which will be taken into account in determining your grade in the course and (2) the instructor will not excluded you for nonattendance since there will be no attendance records. If you stop attending class and fail to officially drop through the Admissions Office, you will receive a final grade of "F" in the course.

3. Do not schedule appointments with your counselor, doctor, prospective employers, etc., during class hours. However, if you choose to stop attending this class, please take the time to drop the course yourself. Any student still enrolled after the final drop date will receive a grade, even if she/he had intended to drop the course.

### **HOMEWORK:**

1. Successful students should plan to spend at least two hours of study outside of class for each hour of discussion. This translates into a minimum of ten additional hours per week. to review the class notes, read the pertinent sections in the textbook solve the homework problems and pre-read and take notes for the sections which will be covered in the next class session. Homework is an essential part of your learning.
2. Homework includes On-Line MyMathLab Homework. MyMathLab is on-line homework software for you to practice and receive instant feedback on your work. It provides you 24/7 support. Statistics showed that many students seem to enjoy using MyMathLab and their retention and success rates were improved in various classes. Access codes for MyMathLab can be purchased from the PCC bookstore or directly from the publisher on-line. Homework is done for your own benefit, and you are expected to do homework every day after each section is completed in class. There is an option to do the homework by using MyMathLab (handout will be provided). Each assignment has a deadline, so do it before the due date. Use a paper or notebook to solve the homework problems before submitting your answers, and keep them for your record. You will be able to see your mistakes and your score. You are encouraged to ask questions regarding your homework.

To sign up for MyMathLab you need to use the following:

**Your course name: MATH 125(Pierce)**

**Your course ID: evinyan?????**

### **QUIZZES:**

Quizzes are extra credits, and may be added to your exams. Quizzes often include problems directly taken from the notes or homework assignment. **NO MAKE UP!**

### **EXAMS:**

There will be given 6 exams over the course of the semester. They will be similar to the assigned homework problems. The review exercises at the end of each chapter may be used as additional preparation for exams. Since I give partial credit, it is important for you to show your work on your exams. You are allowed to use scientific calculator, not electronic dictionaries during the exams. Make-up exams are normally not given except in documented emergencies and prior notification. The score of any make-up exam will be reduced by ten percentage points. Each exam is worth 100 points.

### **WHERE TO GET HELP:**

Regarding Math tutoring: Math Tutors will be located in CAS from 9:00am - 5:30pm, Monday through Thursday and Friday 10:00am-2:00pm.

**CAS:** You may seek assistance in learning mathematics in the Center for Academic Success.

There are free math tutors available at this center. Please visit

[http://www.piercecollege.edu/departments/academic\\_success/](http://www.piercecollege.edu/departments/academic_success/) for more information.

You are encouraged to make use of this resource. You are also encouraged to work with your classmates. Forming study-groups with classmates is one of the best ways to become more successful in the class.

**THINGS I WOULD APPRECIATE:**

If you have any electronic devices, please turn off during class time. Those using devices will be kept with the instructor until the end of the class, and may be asked to leave. Please do not have unnecessary talking and gossiping, food or drinks, chewing gum, going in and out during the class, sleeping.

**CHEATING POLICY:**

All students are expected to conduct themselves with the highest standards of ethics and behavior. Any cheating which includes any copying from other students or unauthorized cooperation on any graded assignments will be dealt with as severely as College policy allows. Any infringement upon the rights of others will be tolerated as well. Use of a graphing or cell phone calculator will be considered cheating.

**Grading:** Your final course grade will be determined by calculating the percentage of all points earned from chapter tests, quizzes, Group works, HW, and the final exam.

6 Exams	Total 600pts (60%)
Final Exam	200pts (30%)
Online Homework	100pts (10%)
Quizzes	Extra credit

Here is a calculation of your grade.

$$Score = \left( \frac{Extracredit + T_1 + T_2 + T_3 + T_4 + T_5}{600} \right) \cdot 60\% + \left( \frac{HW}{100} \right) \cdot 10\% + \left( \frac{FinalExam}{200} \right) \cdot 30\% . \text{ If you get } 90\% - 100\% = \mathbf{A}, 80\% - 89\% = \mathbf{B}, 70\% - 79\% = \mathbf{C}, 60\% - 69\% = \mathbf{D}, 0\% - 59\% = \mathbf{F}$$

*For borderline cases attendance, participation, and level of improvement on the final are considered.*

*Note that borderline is defined to be 1.0% or less below the desired grade; i.e., 89%, 79%, etc.*

### Tentative Schedule for Math 125

Summer 2017	Monday	Tuesday	Wednesday	Thursday
WEEK 1	<b>June 12</b> Ch 1 Review, Quiz #1 (Ch 1 test) 2.1, 2.2, 2.3,	13  2.4, 2.5, 2.6, <b>Quiz #2</b> <b>Review</b>	14  <b>09/13 Last day to drop with no "W"</b> <b>Exam #1 (Ch 1 &amp; 2),</b> 3.1, 3.2	15  3.3 <b>Quiz #3,</b> 4.1, 4.2
WEEK 2	19 4.3, 4.4, 4.5	20 4.6, 4.7, 4.8 <b>Quiz #4</b>	21 Review <b>Exam #2 (Ch 3 &amp; 4),</b> 5.1, 5.2	22 5.3, 5.4, 5.5 <b>Quiz #5</b>
WEEK 3	26 Review, <b>Exam #3, (Ch 5),</b> 6.1, 6.2	27 6.3, 6.4, 6.5	28 6.6, 6.7, 6.8, <b>Quiz #6</b>	29 Review, <b>Exam #4 (Ch 6)</b> 7.1, 7.2
WEEK 4	<b>July 3</b> 7.3, 7.4, 7.5,	4 No Class	5 <b>Quiz #7</b> 7.6, 8.1	6 Review, <b>Exam #5, (Ch 7)</b> 8.2, 8.3 <b>07/07 Last day to drop With "W"</b>
WEEK 5	10 8.4, 8.5, <b>Quiz #8</b>	11 Review <b>Exam #6, (Ch 8)</b> 9.1, 9.2	12 9.3, 9.4, 9.5 Review for final	13 <b>Final Exam</b>

How to maintain "A" Everyone starts the class with an "A", so how do you keep it? First, it is very important to attend all class lectures. Second, in order to be good at math it takes practice, practice, and practice. This means you should do all of your homework and understand them. Do not just memorize how to do them, but understand the problem and how to solve it using the concepts learned in class. Get a study partner. Many times when a friend or study partner explains a problem or concept to you in a different way, it might make more sense. Also, you can keep each other accountable by making sure you do your homework in a timely manner. Finally, be well-prepared for exams. Do not try to "Cram" before the test, but begin studying well before the test date. Get additional help if needed.

## Pearson's MyLab & Mastering Student Registration Instructions

### To register for ??????????(Pierce):

1. Go to [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com).
2. Under Register, select **Student**.
3. Confirm you have the information needed, then select **OK! Register now**.
4. Enter your instructor's course ID: [evinyan????????](#), and **Continue**. ????????
5. Enter your existing Pearson account **username** and **password** to **Sign In**.

You have an account if you have used a Pearson product, for example: MyMathLab, MyITLab, MyPsychLab, MySpanishLab or Mastering, such as MasteringBiology.

If you don't have an account, select **Create** and complete the required fields.

6. Select an access option.

Use the access code that came with your textbook or that you purchased separately from the bookstore.

Buy access using a credit card or PayPal account.

If available, get 14 days temporary access. (The link is near the bottom of the screen.)

7. From the confirmation page, select **Go To My Courses**.

8. On the My Courses page, select the course tile ??????????????????(Pierce) to start your work.

### To sign in later:

1. Go to [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com).
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select the course tile [Intermediate Algebra\(Pierce\)](#) to start your work.

### To upgrade temporary access to full access:

1. Go to [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com).
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select **Upgrade access** from the course tile ??????????????????(Pierce).
5. Enter an access code or purchase access with a credit card or PayPal account.

For a registration overview, go to [www.pearsonmylabandmastering.com/students/get-registered](http://www.pearsonmylabandmastering.com/students/get-registered). Scroll down

to **Need a little help?** and select a video.

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Please read the syllabus carefully. If you agree with the terms and conditions, then fill it out, cut this part along the dotted line and bring it with you on Wednesday, September 2.

Print your name: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_