

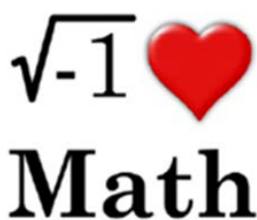
# SYLLABUS FOR MATH 125 – FALL 2017

## INTERMEDIATE ALGEBRA

Instructor:	Anne Siswanto	Office:	G5-111N
Section:	24753	Math Dept:	(323) 265 8886 at G5-111
Time:	MTWTh 10:50-12:00	Mailbox:	G5-111 (Math Dept.)
Room:	G5-001	Web site:	<a href="http://www.myonlinemath.com/m125">www.myonlinemath.com/m125</a>

**Welcome** to Math 125 this fall 2017 semester. I am excited to go on the same journey to learn Intermediate Algebra. Intermediate algebra is the second in a sequence of algebra courses designed to prepare students for college-level mathematics.

### How you can reach me:



I can be reached via email at [siswanas@faculty.laccd.edu](mailto:siswanas@faculty.laccd.edu) or by phone (323) 415-4101. I will return all emails within 36 hours, or communicate with you in person during class. You can also come to my office hours, to ask questions or simply chat, on the following days and times:

M-Th 8:55 – 9:10 am in G5-001 classroom  
M-Th 10:30 – 10:45 am in G5-001 classroom  
M 12:05 – 1:40, 3:15 – 4:15 pm in G5-111N - office  
W 3:15 – 4:15 pm in G5-111N - office

### What you will learn in this class:

You will be learning about different types of functions and inequalities from an algebraic, graphic and numeric point of view. In particular polynomial and rational functions, graphs of functions and inequalities, system of equations and inequalities, radical expressions and equations, quadratic functions, exponential and logarithmic functions are covered. You will learn to recognize and express mathematical ideas graphically, numerically, symbolically, and in writing.

In real world, mathematics concepts learned in Intermediate algebra are widely used. In chemistry, intermediate algebra is beneficial in estimating functions like radioactive decay and reaction rate, and determining the acidity of a substance. In economics, we will calculate interest rates, compute marginal revenue and cost, and estimate the maximum amount of profit.

### Video Lectures:

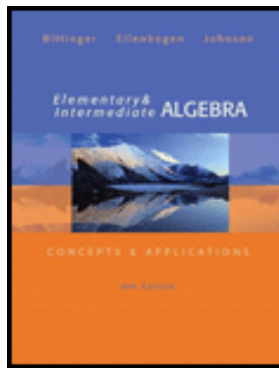
I have recorded my in-class lectures so that you are not missing out on anything. Here is the list of all lecture videos I have recorded so far. I hope you can view the videos. Be sure to **take notes when viewing the videos**.

<http://www.3cm mediasolutions.org/f/72ace3e0e2609368e37728243889ac21cde2e118>

### Materials for Success:

Every mathematician needs tools to help them do math. These are the tools you need to be successful in this class. Here are the tools that I think will help you.

- Bittinger, Ellenbogen, Johnson, *Elementary and Intermediate Algebra: Concepts and Applications*, Sixth Edition, Pearson Custom Publishing, 2014 (**Custom Edition for ELAC**) – ISBN: 1323057021/ 9781323057025. The custom book sold at ELAC bookstore will have a different cover picture. Or you can use this ISBN: 978-0321848741 (Since this edition is outdated, you may be able to get a better deal from amazon.com or half.com)
- A highlighter



- Loose-leaf paper
- A stapler
- A folder specific for this class
- A pencil(s) and an eraser (required for all portfolios and tests)
- A scientific calculator (no graphing calculator or other electronics are allowed during tests).
- A small ruler (needed for graphing later on).
- Fifteen(15) pages of graph paper
- Scantrons 882-E for sample tests

## Expectation for Classroom Behavior:

Expect to come to class to learn something new every day. Expect me to come to class prepared and ready to help you learn something new every day. Expect that I will not give you every answer; instead, I will help you think about concepts so you can develop your own answers. Expect to work many hours outside of class to learn the material. To develop a positive classroom experience for you and your classmates, here is what you can do to help.

- Please bring the textbook to every class meeting.
- Please come on-time and stay until the end of class to meet the attendance requirement.
- Please take the responsibility by asking clarification during class.
- Please have at least one work partner who is responsible for answering questions, offering feedback on assignments and providing missed information.

## Cell Phones and Other Electronic Devices:

Cell phones are a wonderful way of communicating with friends and family, but they can be a distraction when you are trying to learn new concepts. You may use cell phones during classroom activities, such as Kahoot!, but please make sure your cell phone's ringer is turned off when you are in class. If you receive an important phone call during class, please respect your classmates' learning and quietly step outside to take the call. Please send text message only **before** or **after** class or during the break. I may ask you to put your cell phones on my desk if I see that you are distracted. Please also remove earbuds during class.

## Prerequisites:

Satisfactory completion of Math 115 (Elementary Algebra) or acceptable level of skill as demonstrated in the mathematics placement process. Recommended: a grade of B or better in Math 115 (Elementary Algebra)

## CLO (Course Learning Outcomes):

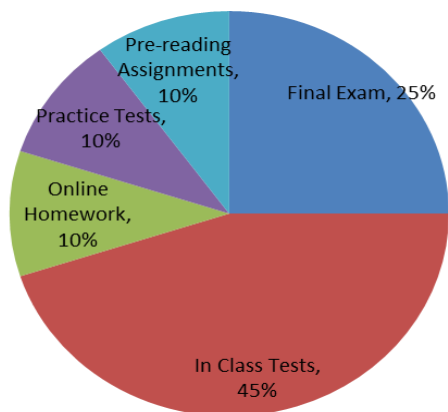
Given a quadratic equation in the form of  $y = a(x - h)^2 + k$ , students will:

- State whether the parabola opens upwards or downwards
- Find the coordinates of the vertex
- Write the axis of symmetry
- Find the x-intercept(s)
- Find the y-intercept(s)
- Graph and label the points

## Students with Disabilities:

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 disability feels that accommodation offered are inappropriate or insufficient, s/he should seek the assistance of the DSP&S Coordinator and/or the Vice President of Student Services.

## How Grades are Earned:



• Final Exam:	25%
• In-Class Tests:	45%
• Online Homework	10%** times 1.1
• Pre-reading (&In-class) Assignments	10%
• <u>Online Practice Test</u>	10%** times 1.2
Total:	100% + 3% Extra

Letter Grades:	A	90 – 100	B	80 – 89.9		
	C	65 – 79.9	D	55 – 64.9	F	below 55

### Tests (45%) and Final Exam (25%):

Depending on time, we will have either five(5) or six(6) tests, i.e. Chapters, 8, 7&9, 10, 11, 12, and 13. Each test is closed book and closed notes. All tests should be written in pencil so that you can erase the mistakes. You can utilize a scratch paper if you need to, but your test paper should not contain any scratch work. Only tests with legible handwriting will be graded.

Please bring to each test:

- A scientific calculator (Note: You can use a scientific calculator during test, but not a graphing calculator or any other electronic devices.)
- Pencil(s) and an eraser
- Pre-reading assignment portfolio for the chapter

The same rule applies to the final exam. It is cumulative, and is also closed book and closed notes. There are no midterms for this class.

To accommodate unforeseen circumstances, such as illness, **I will drop the lowest test score, but I do not give any make-up exam.** If you are unable to take the test, please arrange to take the test at an earlier time. The final exam is mandatory and the score will not be dropped.

### Practice Tests (10%):

Doing the practice test is like “Killing two birds with one stone”. You will earn 10%, and at the same time have enough practice to do better on the actual test. The practice tests, which are longer than the actual tests, are posted on <http://www.MyOpenMath.com>. **You will need a scantron 882-E for each sample test.**

Optional: You can also print sample tests from <http://www.myonlinemath.com/m125>, and work on them.

### Online Homework (10%):

The online homework assignments are available on <http://www.MyOpenMath.com>. In order to stay on schedule **online homework** will be due twice a week. HW assigned on Monday and Tuesday will be due on Wednesday, 11:59 pm, and HW assigned on Wednesday and Thursday will be due on Sunday. For example: Suppose we finish sections 7.1-7.3 on Monday and Tuesday, then online homework 7.1-7.3 is due on Wednesday. Note: To help you learn better, **write the steps** while doing online homework and enter the answer.

### In-class Assignments (10%):

There will be in-class quizzes and group work either in the beginning or the end of class. Please come on-time and stay until the class is over.

## On Campus Resources for Mathematics:

- Math Tutoring Center (G5-009)  
Free walk-in math tutoring service is available. You can also use the computers in Math Lab. Math Lab is open on Monday – Thursday, 10 a.m.–7 p.m., and Friday–Saturday 10 a.m-4 p.m.
- Learning Assistance Center (E3-280)  
Learning Assistance Center (LAC) provides walk-in and scheduled individual tutoring via appointment. Please check the hours and schedule appointment with a tutor on <http://elaclac.org>

## Attendance and Tardiness Policy:

Tardiness of up to 10 minutes will count as 1/3 of an absence. After 10 minutes, it will be counted as 1 absence. Per ELAC’s Attendance policy as listed on the Schedule of Classes, a student can be absent a maximum of four (4) meeting days. Afterwards, the student may be excluded from the class. If you decide to withdraw from the class, please follow the official drop procedure to avoid receiving a grade of “F”.

## Cheating Policy:

Cheating is not tolerated and is subject to ELAC Policy on Academic Honesty as written in the Schedule of Class. Students are not allowed to use graphing calculators, notes, books, or **copy** someone else’s tests. If a student is found cheating in a test, will get a zero (0) on the assignment. Subsequent cheating will result in a grade of “F”.

## How to Login to MyOpenMath:

MyOpenMath is an open-source, self-study online program that students will use to complete the assigned homework and online practice tests. Each MyOpenMath chapter has sections consisting of links to instructional videos and homework exercises. A student account is free and will never expire, thus allowing a student to access MyOpenMath content for future review and for self-study. Here are the steps.

- Open a web browser and go to [www.myopenmath.com](http://www.myopenmath.com)
- Register as a new student by clicking the link that appears on the right side.
- Enroll in the course titled “Fall 2017 Math 125” by entering the following information

Course ID:           24932  
Enrollment key:    Fall 2017 Math 125



# Math 125 Tentative Calendar Spring 2016 (16 Weeks)

## Bittinger Elementary and Intermediate Algebra

Item	Date	Sections to Finish
Week 1	August 28	Syllabus, MyOpenMath, 8.1 – 8.3
Week 2	September 4	Quiz 1, 8.4, 8.7 – 8.8 Review Ch 8
Week 3	September 11	Test Ch 8, 7.1 – 7.3
Week 4	September 18	Quiz 2, 7.4 – 7.5, 9.1 Review Ch 7
Week 5	September 25	Test Ch 7, 9.2 – 9.4, Review Ch 9
Week 6	October 2	Test Ch 9, 10.1 – 10.3
Week 7	October 9	Quiz 3, 10.4 – 10.6
Week 8	October 16	Quiz 4, 10.7 – 10.8, 11.1, Review Ch 10
Week 9	October 23	Test Ch 10, 11.2 – 11.4
Week 10	October 30	Quiz 5, 11.4 – 11.7
Week 11	November 6	Quiz 6, 11.8 – 11.9, 13.1, Review Ch 11
Week 12	November 13	Test Ch 11, 13.2 – 13.4
Week 13	November 20	Quiz 7, 12.1 – 12.3, Review Ch 13, Test Ch 13
Week 14	November 27	12.4 – 12.7
Week 15	December 4	Review Ch 12, Test Ch 12, Review for final
Week 16	December 11	Final on Tuesday, December 12, 9:30 – 11:30 am

January						
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**LDTD without W: Sunday, September 10**  
**LDTD with W: Sunday, November 19**

**Holidays:**

Monday, September 4 - Holiday - College Closed (Labor Day)  
 Friday, November 10 – Holiday – Veteran’s Day  
 Thursday-Sunday, November 23-26 - Holiday – (Thanksgiving)