LOS ANGELES VALLEY COLLEGE - MATH 125

Intermediate Algebra (section #1404 - 5.00 units)

MTWTh 6:40-7:50A, Rm MS 110

Instructor:	George Pete Caleodis	Office:	MS 104F
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Office Hours:	MTWTh 7:50-8:00A, 10:50-11:20A	TTh 1:30-4P	

PREREQUISITE A grade of C or better in both MATH 113 and MATH 114, or a grade of C or better in MATH 115, or appropriate skill level demonstrated through the math placement process.

COURSE DESCRIPTION

This course reviews concepts learned in Math 115 and applies them to more complicated problems; also covers inequalities, absolute values, relations and functions, conic sections, and exponential and logarithmic functions.

OBJECTIVES

Upon successful completion of this course, the students will apply Math 115 concepts and techniques to more complicated problems; solve a system of 3 linear equations in 3 variables using various methods; solve polynomial, rational, radical, and absolute value equations and inequalities; express solution sets graphically and using interval notation; identify, analyze, and graph equations of lines, circles, parabolas, ellipses, hyperbolas, exponentials, and logarithms; identify relations and functions, find the domain and range, sketch graphs, and find inverses; solve exponential and logarithmic equations and applications.

STUDENT LEARNING OUTCOMES

Students will be able to think analytically and read critically to solve intermediate algebra level mathematical problems.

TEXTBOOK

Intermediate Algebra, *Elayn Martin-Gay, Pearson Education, Inc., 6th Ed., 2012 (REQUIRED). ISBN-13*: 978-1-269-35067-9 *ISBN-10*: 1-269-35067-6 (This is the loose-leaf version bundled with MyMathLab access that sells for $142.95 new at LAVC's book store. You may find other versions elsewhere, but they may not include MyMathLab access, or they may be hardback books.) Pearson's MyMathLab is used to submit homework for this course.

UNITS OF INSTRUCTION Chapters 2-11

METHODS OF EVALUATION

9 MyMathLab homework assignments	100 pts.
4 in-class midterm examinations (150 pts. ea.)	600 pts.
in-class final examination (cumulative)	300 pts.
TOTAL	1000 pts.

PERCENT	LETTER GRADE	PERCENT	LETTER GRADE
90 – 100	A	70 – 79	C
80 – 89	B	60 – 69	D
		0 – 59	F

Grades will NOT be "curved", skewed, or otherwise inflated. ***No re-tests or "extra credit" will be given.***

HOMEWORK

Each of the odd exercises in the textbook should be completed. Only exercises indicated in class to be completed via MyMathLab need be submitted for grading. ***To achieve a high degree of mastery of the course material, it is suggested that students average at least 2 hours of study for each hour of class time.***

ATTENDANCE POLICY

Attendance at all regularly scheduled class meetings is *expected*. Attendance at all examinations is *required*. In the case of absence, it is the student's responsibility to determine what material or class activities he/she may have missed and to take appropriate action as soon as possible. Please be advised that after the census week it is solely the responsibility of students to drop themselves from the course if necessary. Failure to officially withdraw from a course may result in the student's receiving a failing grade. If you stop attending the class or wish to drop the class you must drop yourself officially through the Office of Admissions and Records. ***The last day to drop without a "W" is February 21st. The last day to drop with a "W" is May 8th.***

MISSED MIDTERMS/LATE HOMEWORK

Midterm and homework due dates are denoted on the course calendar. If a student wishes to take a midterm at a time other than the regularly scheduled class time on the designated date, he/she must make arrangements *in advance*. Missed midterms for which no alternative arrangements have been made will result in scores of 0 pts. In the case of *extreme* circumstances, a missed midterm may be disregarded, and the sum of the remaining midterm scores scaled to compensate. ***Homework submitted after the due date will earn scores of 0 pts.***

CALCULATORS

Calculators are permitted in class and as verification for homework exercises. Calculators, cell phones, tablets are electronic devices are NOT permitted during exams. ***Note: Using a calculator, cell phone, or other electronic device to store notes or formulas without the instructor's permission is a form of academic misconduct and may be subject to disciplinary action.***

CELL PHONES

As a courtesy to the instructor and to other students, please turn off or silence (including vibration) cell phones during class.

STANDARDS OF CONDUCT

All students are expected to conduct themselves with the highest standards of ethics and behavior. Neither cheating (including unauthorized cooperation on any graded assignment) nor infringement upon the rights of other students (such as persistent talking during lecture) will be tolerated.

ADULT CONTENT

Please be advised that you have enrolled in a college-level course. The content of the course, and the discussions surrounding the lessons, may contain controversial, sexual, religious and political content, or otherwise thought-provoking topics. Your instructor reserves the right to edit inappropriate language that may appear in this course.

PLAGIARISM AND ACADEMIC DISHONESTY

Plagiarism is the use of others' words and/or ideas without clearly acknowledging their source. When you incorporate those words and ideas into your own work, you must give credit where credit is due. Plagiarism, intentional or unintentional, is considered academic dishonesty and is not tolerated. Anyone found to be plagiarizing or cheating on exams will (1) receive a zero (fail) on the exam, and (2) be referred to the Vice President of Student Services or designee for further disciplinary action, following due process. For further information on plagiarism, go to the Writing Center website (http://www.lavc.edu/writingcenter/handouts/plagiarism.html) and refer to the STANDARDS OF STUDENT CONDUCT AND DISCIPLINARY ACTION in the current Schedule of Classes and Catalog.

POLICIES AND PROCEDURES

The stated schedule and procedures in this course are subject to change in the event of extenuating circumstances. Policies governing drop dates, penalties, plagiarism, incompletes, and academic honesty, as detailed in the Los Angeles Valley College Catalog will be observed.

SSD STUDENTS

If you are a student with a disability requiring classroom accommodations, and have not contacted SSD, please do so in a timely manner. SSD is located in the Student Services Annex, Rm 175 or call SSD at 818-947-2681 or TTD 818-947-2680 to meet with an SSD counselor. If SSD has already sent a memo to confirming accommodations required for this class, please meet with your instructor to discuss the necessary arrangements.

FINANCIAL AID

Financial Aid is available. Call (818) 947-2412. Go to the Financial Aid Office in the Student Services Center, first floor. For more info: http://www.lavc.edu/financialaid/index.html.

SUBJECT TO CHANGE

Please be advised that this syllabus is subject to change at any time at the sole discretion of the instructor.

10 Simple Steps To Success In A Mathematics Course

1 – No Whining

2 – Come to Class

3 – Believe You Can Do It

4 – Read the Book

5 – Study Every Day

6 – Do the Homework

7 – Take Responsibility for Your Work or Lack of It

8 – Ask Questions

9 – Be Aware of Your Performance

10 – Keep Up the Effort All Term

Math Department Brochure

The Valley College Mathematics Department wants every student in each math class to have the maximum opportunity for success. Although we cannot guarantee this success, it has been our experience that students have a greater likelihood for improved class performance when they follow some simple guidelines:

1. GET IN THE RIGHT MATH CLASSES AT THE START
   If you are new to the college, take the assessment test and follow the recommendation based on your performance on the test. Even if you have satisfied the prerequisites for the course you want to take, you might consider dropping back a level if you completed these prerequisites in high school, or if they were taken more than three years ago. If you are still uncertain about which math class you belong in, check with any math professor for advice. He or she will be glad to help you. Remember: you are only cheating yourself if you register for a math class for which you are unqualified.

2. REGISTER EARLY
   Math classes, particularly at the lower levels, close early in the registration period. While trying to enroll in the college, you don't need the added stress of attempting to get into a closed class.

3. BUY THE TEXTBOOK EARLY
   Check with the bookstore to see that you are buying the correct edition. Read the text before the start of the class to get some idea of what the course is all about, especially the table of contents.

4. ATTEND ALL CLASS MEETINGS FOR THE ENTIRE PERIOD
   If you miss class, you may miss important information. Don't arrive late or leave early because it is distracting to the professor and to your fellow students to have people coming and going while instruction is taking place. Students who violate the College's attendance regulations are subject to exclusion from class. At times you may feel that you have a valid reason for missing class, but any time spent away from instruction will only detract from your overall achievement.

5. MATH CLASSES REQUIRE CONSISTENT WORK EVERY DAY
   You should plan to spend at least two hours outside of school for every class hour working on math. At almost every class meeting, your professor will be assigning homework which should be completed by the next meeting. Because each new topic may use material from a previous topic, it is essential that you not get behind in your work. Don't expect to study for a test by "cramming" the night before the test.

6. BE ALERT IN CLASS
   Take notes but not in such detail that you miss what is going on. Any material written on the board is important enough to be included in your notes. Ask questions in class if you don't understand a point. Other students might have the same question, but are afraid to ask. You are entitled to ask questions about the subject matter as long as you do not monopolize the class time. If your question isn't satisfactorily answered in class, see your professor during his/her scheduled office hour or at some other mutually convenient time. Also you can get help in the Math Lab (MS 106).

7. HOMEWORK
   Before starting your homework, review your notes, fill in any gaps in them, and make needed corrections. Then read the pertinent portion of the text and study the illustrative worked-out examples. Try to identify the significant theory that is being introduced. Now you are ready to begin your homework.

8. STUDYING WITH OTHERS
   Studying with others outside of class is a good idea. Not only can you clear up difficulties by learning from others, but you also strengthen your own knowledge when you explain something to someone else.

9. DON'T BE DISCOURAGED
   Don't be discouraged if you don't immediately understand a new topic. Other students and your professor have had the same experience while learning math. Be persistent. You may have to reread your notes and the test or seek help from others to clear up difficulties.

10. HAVE YOUR LIFE IN ORDER
    Maintain your personal relations, employment, and other outside activities in such a way that they don't interfere with your math studies. Get enough sleep at home so that you come to class refreshed and alert. Be sure you have dependable transportation to the College.

11. MISCELLANEOUS
    You may not believe it, but every math professor wants you to succeed in his/her class. All of us went into math teaching because of a sincere desire to help others. If you find that for some reason you are not getting along with your professor, see the person privately in an effort to resolve the difficulty. If this meeting does not settle the problem, then see the Department Chairperson. However, to criticize the professor in class or in some other public setting is discourteous and will probably make getting what you want less likely.

MyMathLab®

PEARSON ALWAYS LEARNING

Pearson's MyLab & Mastering Student Registration Instructions

To register for LAVC - Math 125 - Intermediate Algebra - SP2015 - Caleodis:

1. Go to 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: caleodis52406, 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 **LAVC - Math 125 - Intermediate Algebra - SP2015-Caleodis** to start your work.

To sign in later:

1. Go to www.pearsonmylabandmastering.com.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password,** and **Sign In**.
4. Select the course tile **LAVC - Math 125 - Intermediate Algebra - SP2015 - Caleodis** to start your work.

To upgrade temporary access to full access:

1. Go to 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 **LAVC - Math 125 - Intermediate Algebra - SP2015 - Caleodis**.
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. Scroll down to **Need a little help?** and select a video.

LAVC - MATH 125 – Intermediate Algebra – Spring 2016 – George Pete Caleodis

Monday	***Tuesday***	***Wednesday***	***Thursday***
Feb 8 §2.1	***9*** §2.2, 2.3	***10*** §2.4	***11*** §2.5
15 – Presidents' Day no class	***16*** §2.6, 2.7	***17*** §3.1, 3.2	***18*** §3.3, 3.4 hw #1 (§2.1-2.7) due
22 §3.5, 3.6	***23*** §3.6, 3.7	***24*** review	***25*** **TEST 1** hw #2 (§3.1-3.7) due
29 §4.1, 4.2	***Mar 1*** §4.3	***2*** §4.4	***3*** §4.5
7 §5.1, 5.2	***8*** §5.3, 5.4	***9*** §5.5	***10*** §5.6 hw #3 (§4.1-4.5) due
14 §5.7	***15*** §5.8	***16*** review	***17*** **TEST 2** hw #4 (§5.1-5.8) due
21 §6.1	***22*** §6.2	***23*** §6.3	***24*** §6.4
28 §6.5	***29*** §6.6	***30*** §6.7	***31 – Cesar Chavez Day*** no class
SPRING BREAK			
Apr 11 §7.1, 7.2	***12*** §7.3	***13*** §7.4	***14*** §7.5 hw #5 (§6.1-6.7) due
18 §7.6	***19*** §7.7	***20*** review	***21*** **TEST 3** hw #6 (§7.1-7.7) due
25 §8.1, 8.2	***26*** §8.3	***27*** §8.4	***28*** §8.5
May 2 §8.6	***3*** §9.1, 9.2	***4*** §9.3, 9.4	***5*** §9.5, 9.6 hw #7 (§8.1-8.6) due
9 §9.7	***10*** §9.8	***11*** review	***12*** **TEST 4** hw #8(§9.1-9.8) due
16 §10.1	***17*** §10.2	***18*** §10.3, 10.4	***19*** §11.1, 11.2
23 §11.3, 11.4	***24*** §11.5	***25*** review	***26*** review hw #9(§10.1-11.5) due
FINAL EXAM MONDAY, JUNE 6, 6:30 – 8:30AM			