



Division: Mathematics

Course name: Math 125: Intermediate-Algebra

Sections: 4488 **Semester:** Summer 2015

Instructor Name: H. Feiner

School Website: www.wlac.edu

Class Hours: MTuWTh
6:30 a.m. – 9:05 p.m.

Address: 9000 Overland Ave., Culver City, CA 90230

Location: MSA 109 (may change)

Office Hours: None

Instructor E-mail: FeinerH@wla.edu

Office Location: MSB 219

Welcome

This semester, you will work to develop your algebraic thinking skills. The goal is for you acquire additional skills needed to succeed in subsequent technical classes and become more confident. The skills you learn here will help you succeed both in and out of class. However, your education is ultimately YOUR responsibility. YOU determine your level of success. Successful college students are self-motivated. Successful college students understand the importance of studying the material, coming to class prepared and practicing skills learned. YOU CAN DO IT and I'm here to help. Work with me, even when my method is different from what you learned before. Reconcile my presentation with what you think you remember. I try to teach you understanding, not just blind memorization of rules. 😊

Course Description:

A second course in algebra covering basic operations with real numbers, linear equations, inequalities, applications, graphs, functions, systems of equations, polynomials, factoring, rational expressions and functions, roots and radicals, quadratics, inverse, exponential, and logarithmic functions, conics, nonlinear functions and systems,

This course is designed to give students an understanding of and solidification of algebra concepts. To attain this mastery, students must have a genuine desire to combat arithmetic deficiencies. Students are on the second floor of their technical endeavor. If students think that algebra is irrelevant to their course of study, remember that half the jobs in the future have not yet materialized. We live in a technical society. If you are just out of high school, twenty years from now, when you have more responsibilities and less time, you may regret that you were not serious in mastering algebra. This course is not UC/CSU transferable.

Required Texts

The textbook. Is "*Intermediate Algebra, 11/e, by Lial/Hornsby/McGinnis ISBN 9780321715418 or 12/e 9780321969354*

Also use my book at http://resources.wlac.edu/userfiles/feinerh/Book_1_2015.PDF (free) for the first nine chapters of Intermediate Algebra.

You are expected to do homework from the first day on. Lacking Internet access is no excuse. Computers are available in the HLCR (library, first floor).

Having no book yet is no excuse either. You can do substitute homework online as follows:

Log into <http://www.interactmath.com/>

Enter

Choose a book > (scroll down) **Lial: Intermediate Algebra, 11e**

Submit

Chapter Contents opens. Click on chapter 1 and expand (click on the plus sign).

Click on section 1 "[Review of the Real Number System](#) Select question 1. Choose the proper answer and check it.

Then click on circle 2, etc. Exercise all the questions,

When finished, click on Close.

A summary is shown with green checkmarks and/or red Xs. Print this page so that you have proof of having done homework. Put the summary in your homework notebook.

Recommended Materials

A scientific calculator, to be used sparingly. This is no substitute for having memorized the addition and multiplication of simple integers.

My book at http://resources.wlac.edu/userfiles/feinerh/Book_1_2015.pdf

Required Materials

- One notebook for class notes
- and one for homework.
- A writing instrument and an eraser.

Course Objectives:

Ability to handle operations on real numbers with applications to linear and quadratic equations, inequalities and functions.

- Competence in manipulating polynomial operation, factoring, rational expressions
- Aptitude for solving application problems.
- Capability to grasp radicals, root, exponential, and logarithmic functions, .
- Facility with understanding conics..

Student Learning Outcomes (SLO)

Select and use appropriate algebraic techniques to solve a wide variety of equations and systems of equations.

Criterion Level : Each question will be answered correctly by at least 40 % of students.

Analyze, model, and solve application problems including those involving variations.

Criterion Level : Each question on the final exam will be answered correctly by at least 30 % of students. At least 25% of students will achieve a level of at least 80% on the set of constructed-response questions. At least 50% of the students will achieve a level of at least 60% on the set of constructed- response questions .

Solve linear equations and inequalities in one variable and systems of two linear equations in two variables.

Criterion Level : At least 50% of students will score at least 50% on this subscale. Each question will be answered correctly by at least 40% of students

Create and use linear models to solve application problems in one and two variables

Criterion Level : At least 50% of students will score at least 50% on this subscale. Each question will be answered correctly by at least 20% of students

Course Requirements and assignment guidelines

If you don't have internet access at home, to get started on homework because you do not have a book, there are computer labs on campus.

Quizzes

Quizzes will be given regularly to ensure that you are keeping up with the readings, homework, and attending class. Missed quizzes cannot be made up, even if you arrive late to class. Any extra credit points given to the class will not be given to a student who misses three unexcused absences or six instances of tardiness.

Other assignments, as listed below, will occur in class and serve to reinforce learning:

- Homework. Collect only homework in your notebook for homework. Do every other odd-numbered problem in the sections we cover in class. Bring to class daily. Turn in at the end of class in August. Show the chapter and section number on each odd-numbered page. Show your reasoning/work unless the problem is trivial. Box in your answers.
- Exams (no exam will be dropped)
- Final
- Bring your textbook and supplies to class every meeting.

Late Assignments

No credit.

Grading

Assignment Category	# of Assign.	Points Per Assignment	Total Points	% of Total Grade
Quizzes	Approximately 20	2	50	Extra credit
Tests	7	100	700	70%
Final	1	300	300	30%
Homework	1	10	10	1%
Grand Total	29	-	1060	101%
901 – 1060 (90%) = A 801 - 765 (80%) = B 596 –680 (70%) = C 510 - 595 (60%) = D 509 and below = F				

Class Policies

Attendance

Because class discussions are an integral part of this course, attendance is mandatory. Up to 3 absences are allowed. After that, you could be dropped. Students are expected to attend every class meeting, to arrive on time and stay throughout the class period. **Excessive absenteeism, as well as walking in and out of class, will lower your grade through omission of extra credit.** 3 tardies = 1 absence. Students may be dropped from class for excessive tardiness, or for failure to attend class the first day.

Walking In and Out of Class

When you arrive to class, make sure you have used the restroom, had a chance to eat, check your messages, etc. Walking in and out is rude and disruptive. If you need to leave early, or have some other problem, you need to notify me in advance. **Any student who makes a habit of walking in and out of class may be asked to leave.**

Preparedness

You are expected to arrive on time. You will come to each class session prepared. You will have your book, notebooks, pens/pencils, any work that is due, and you will be prepared to discuss all past assignments.

Cell Phones, iPods, etc.

Turn them off and put them away when class begins! Although it may not seem possible, you can survive without talking and texting on your cell phone, or listening to your iPod, for a little over an hour. Talking and texting on cell phones not only distract you, but they are a distraction for me and your peers. Distractions interrupt/disrupt the class and I will not tolerate interruptions. **You will be asked to leave if this occurs.**

Contacting Me

E-mail is the best and quickest way to contact me. **If you have a problem, do not let it snowball. Contact me immediately.** Students are expected to ask questions and obtain help from instructor via **email and/or during office hours.**

For more information refer to the attached link:

College Policies:

Academic Integrity (Plagiarism)

In accordance with code 9803.28, **academic dishonesty is prohibited and will not be tolerated in this class.** 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. Academic dishonesty of any type, such as cheating or knowingly furnishing false information, by a student provides grounds for disciplinary action by the instructor or college. In written work, no material may be copied from another without proper quotation marks, footnotes, or appropriate documentation.

- **Plagiarism (cheating during an exam) will result in a zero for the assignment, possible dismissal from the class and disciplinary action from the college.**

Student Conduct

According to code 9803.15, disruption of classes or college activities is prohibited and will not be tolerated. Refer to the catalog and the Standards of Student Conduct in the Schedule of Classes for more information.

Recording Devices

State law in California prohibits the use of any electronic listening or recording device in a classroom without prior consent of the instructor and college administration. Any student who needs to use electronic aids must secure the consent of the instructor. If the instructor agrees to the request, a notice of consent must be forwarded to the Vice President of Academic Affairs for approval (WLAC College Catalog).

For more information refer to the attached link:

http://www.wlac.edu/academics/pdf/WLAC_12-14Catalog_Policies.pdf

Campus Resources

As stated earlier in this syllabus, **if you are having problems, don't let them snowball.** Come and talk with me and check out some of the campus resources available to you.

Office of Disabled Student Programs and Services (DSP&S)

Student Services Building (SSB) 320 | (310) 287-4450.

West Los Angeles College recognizes and welcomes its responsibility to provide an equal educational opportunity to all disabled individuals. The Office of Disabled Students Programs and Services (DSP&S) has been established to provide support services for all verified disabled students pursuing a college education. DSP&S students may qualify for: priority registration, registration assistance, special parking permits, sign language interpreters and assistive technology (WLAC College Catalog).

Instructional Support (Tutoring) & Learning Skills Center

Heldman Learning Resources Center (HLRC) | (310) 287-4486

Improve your reading, language, vocabulary, spelling, math fundamentals and chemistry knowledge with convenient, self-paced computer-aided courses in the Learning Skills Center. Increase your knowledge and learning success: sign up for tutoring in various college subjects (WLAC College Catalog).

Library Services

Heldman Learning Resources Center (HLRC) | (310) 287-4269 & (310) 287-4486

The WLAC Library provides instruction on how to use the online catalog, periodical and research databases. In addition to a large collection of books, periodicals and videos the WLAC Library has course textbooks which students may use while in the Library. Web access is available in LIRL as well as meeting rooms. The upper floors provide a beautiful view ideal for study (WLAC College Catalog).

For more information refer to attached link:

http://www.wlac.edu/academics/pdf/WLAC_12-14Catalog_Policies.pdf

Math 115 Class Schedule – Spring 2015

8:00 a.m. – 9:15 a.m.

NOTE: This syllabus and class schedule is subject to change if circumstances warrant it (e.g. student performance, etc.). **Expect revisions and divergences.**

Tentative schedule:

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M 6-15 1.1-1.4	T 6-16 2.1- 2.3	W 6-17 2.4-2.6	Th 6-18 2.7,	M 6-22 TEST 1, 3.1	T 6-24 - 3.2,3.3	W 6-24 3.4, 3.5	Th 6-25 3.6, 4.1-4.2
M 6-29 TEST 2, 4.3	T 6-30 4.4	W 7-01 5.1, 5.3	Th 7-02 5.4, 5.5	M 7-06 . TEST 3 6.1	T 7-07 6.2- 6.4.	W 7-08 6.5, -7.1	Th 7-09 7.2, 7.3
M 7-13 TEST 4, 7.4	T 7-14 . 7.5, 7.6	W 7-15 8.1-8.3	Th 7-16 8.4-8.7	M 7-20 TEST 5, 9.1	T 7-21 9.2, 9.4	W 7-22 9.5-9.7	Th 7-23 10.1-10.2
M 7-27 TEST 6, 10-3	T 7-28 10.4-10.5	W 7-29 10.6, 11.1, 11.2	Th 7-30 11.3-11.5	M 8-03 TEST 7, 12.1	T 8-04 12.2, 12.4	W 8-05 Review	Th 8-06 Final