

**Math 123A (#1482) FALL 2015 TWTh 11:10 to 12:25****Elementary and Intermediate Algebra I (4 units) Classroom CE 205**

This is the first module of a 3-semester combined Elementary and Intermediate Algebra course. The entry level for 123A is the same as Math 115 or Math 117. The exit level for 123C is the same as Math 125 or Math 128.

**Prerequisite:** Mathematics 110 or 112 with a grade of "C" or better, or placement through the WLAC Assessment process.

**Instructor:** Dan Franden

*Office Hours: 9:30 to 10:00 in MSA 013*

*Office:* *email:* Frandede@wlac.edu Final December 17<sup>th</sup> 11:30 to 1:30

**Textbook:** Beginning & Intermediate Algebra by Lial, Hornsby & McGinnis. The Bookstore has a WLAC Custom Edition which is substantially the same as the regular 5<sup>th</sup> ed (2012, ISBN-9780321715869) We will cover chapters 1-5 in this course and the remainder of the book in Math 123B and Math 123C. Copies of the regular 5<sup>th</sup> edition can be purchased used, on-line. Rental is NOT a good option because you will need this book for three semesters.

**Students with disabilities** who believe they may need accommodations in this class are encouraged to contact Disabled Students Programs and Services located in HRLC 119 (phone 310-287-4450) immediately to improve the chances that such accommodations can be implemented in a timely manner. The instructor will do everything possible to comply with ADA and all other mandates.

**Most of us are dealing with a lot** besides class: job (or job hunt), family problems, child care, health issues, housing issues, and all the other impacts of the deep crisis in our society today. The **WLAC Health Center** can hook you up with a counselor to help you deal with stress. Other programs on campus that can include **Workforce Development, TRIO-SSS, EOP&S, Counseling**, the Veterans' Office, and **DSPS**. Please speak to your teacher - or contact me by phone or email - and I will try to point you in the right direction.

The LA County hotline is **211** - it refers you to publicly available services

## Homework

Math is not a “spectator sport.” Doing exercises and solving problems outside of class is where you learn the most. Most students will need to spend an hour or more each day, outside of class, plus time on the weekends, practicing math.

- Specific problems will be assigned but NOT collected.
- **Form study groups!** If you meet in the Library, you may be able to get a tutor to join you.
- Keep all of your work in an organized fashion and use it to study for tests.

Begin each study session by reviewing your class notes and the text. Then do the assigned practice problems. End your session by previewing the next day’s material, either in the text OR by watching an online video (try YouTube).

**Free tutoring** is available in the Learning Resource Center (“Library”). Please use it!

**Materials:** Please bring your math notebook (with graph paper), pencils, a calculator (for this class, the cheaper the better) and if you need it. Calculators or laptops with symbolic manipulation capabilities, and calculators built into any device with communication capability (such as an iPhone) are not allowed on tests.

**Attendance:** Please be in class on time every day, stay to the end, and participate in all class activities. College policy is that an instructor may drop a student who has missed more than six hours of class. If you have excessive absences (regardless of the reason) AND you are not passing the course, you may be dropped without notice. If you have a valid reason for an absence, please notify me via e-mail as soon as possible.

**What if I miss a day?** Again, life happens. If you miss two or more days in a row, you should also let me know why.

**“Did I miss anything?”** Of course you did! The schedule in this packet tells you what section of the text we’re working on each day. If you miss a class, look for an instructional video on YouTube or read the text, and try the homework problems. Consult a tutor or use the instructor’s office hours to get help.

**Will I be dropped?** If you are failing the class, and have excessive absences, I will drop you. But it is YOUR responsibility to drop the class (“withdraw”) on or before November 20, 2015.

## IMPORTANT DATES:

### LAST DAY TO

Drop classes with a refund/no fee owed ..... Fri, Sept 11

Drop classes w/o a “W” .....Fri, Sept 11

Drop classes with a “W” ..... Fri, Nov 20

File for Pass/No Pass (formerly “Credit/NoCredit”) .....Fri, Sept 11 Final December 17<sup>th</sup> 11:30 to 1:30

### COLLEGE IS CLOSED

Labor Day .....Sept 7

Veterans Day .....Nov 11 Thanksgiving Holiday .....Nov 26 - 29

# Student Conduct (copied from)

[http://www.wlac.edu/academics/pdf/WLAC\\_Catalog\\_Policies.pdf](http://www.wlac.edu/academics/pdf/WLAC_Catalog_Policies.pdf)

## BOARD RULE 9803.19 ALCHOL AND DRUGS

Any possession of controlled substances which would constitute a violation of Health and Safety Code section 11350 or Business and Professions Code Section 4230; any use of controlled substances the possession of which are prohibited by the same; or any possession or use

of alcoholic beverages while on any property owned or used by the District or colleges of the District, or while participating in any District or college-sponsored function or field trip. "Controlled substances" as used in this section include, but are not limited to, the following drugs and narcotics:

- A. opiates, opium and opium derivatives
- B. mescaline
- C. hallucinogenic substances
- D. peyote
- E. marijuana
- F. stimulants

## ATTENDANCE STATEMENT

Only students who have been admitted to the college and are in approved active status may attend classes.

Students should attend every meeting of all classes for which they register. To avoid being dropped from class, students should contact the instructor when they are absent for emergency reasons.

Students who are pre-registered in a class and miss the first meeting may lose their right to a place in the class, but the instructor may consider special circumstances. **Whenever students are absent more hours than the number of hours the class meets per week, the instructor may drop them from class.** In addition, the instructor will consider whether there are mitigating circumstances which may justify the absences.

If the instructor determines that such circumstances do not exist, the instructor may exclude a student from the class. Students are encouraged to advise their instructors of anticipated absences.

## DROPPING CLASSES

Students should use the online Student Information System to drop a class or classes they no longer plan to attend. Students should write down the confirmation number for their records or print it. It is the students' responsibility to drop a class. Failure to drop a class in a timely manner may result in a "W" or an "F" on your academic record. You may also be held accountable for payment of all fees whether you attend or do not attend class. Deadlines for dropping a class with no "W" or with a "W" are published in the class schedule every semester and online at [www.wlac.edu](http://www.wlac.edu).

## "W" WITHDRAWAL

It is the student's responsibility to withdraw from class if he or she stops attending class. Students cannot rely upon faculty to exclude them. Withdrawal from a class or classes shall be authorized through the last day or 75% of the time the class is scheduled to meet. No notation ("W" or other) shall be made on the record of a student who withdraws during the first 2 weeks of the time the class is scheduled.

Withdrawal between the end of the fourth week (or 30% of the time the class is scheduled to meet, whichever is less) and the last day of the fourteenth week of instruction (or 75% of the time the class is scheduled to meet, whichever is less) shall be authorized after informing the appropriate faculty. A student who remains in class beyond the fourteenth week or 75% of the time the class is scheduled shall be given a grade other than a "W," except in cases of extenuating circumstances.

After the last day the withdrawal is allowed, the student may withdraw from class only upon petition demonstrating extenuating circumstances and after consultation with the appropriate faculty. Students should obtain a petition in the Admissions Office. Extenuating circumstances are verified cases of accident, illness, or other circumstances beyond the control of the student. Withdrawal which has been authorized in extenuating circumstances shall be recorded as a "W."

The "W" shall not be used in calculating units attempted or for the student's grade point average.

## Classroom Norms (Policies for the Classroom)

- **Be on time and prepared-** It is your expectation that I will be here on time and prepared and I have the same expectation of you.
- **No Cellphones-** We all can be without service for an hour and fifteen min.
- **No eating or drinking-** We all can be without food or water for an hour and fifteen min.

## Evaluation/Grading

All class activities and homework should help you achieve the course **Student Learning Outcomes** at a level that **prepares you for success in your next Algebra course and in other situations requiring Algebra skills**. You have your reasons for taking this class: to learn the material, to complete an AA degree or a Transfer or Certificate program. I am confident that you can succeed, provided that you have enough time for the work. I am here to help you do that. "Grades" and "points" are feedback on your progress.

Ideally, there would be no grades as we know them today, and education would be very different from today's schooling. But since we are still struggling for an ideal society, I will have to assign you a grade in June. The basis for that grade is described in detail below.

### **In-Class Tests (4) - 30% of grade**

These will mainly be "constructed-response" (show all work) in-class exercises that are NOT designed to be time-pressure-sensitive. Make-up tests will only be given if there is a valid, documented excuse and if

requested (by email) before test day, and options for earning-back points may be limited. **In-class tests are scheduled for WEDNESDAYS. No test scores will be dropped.**

**Take Home Tests (at least 4) 30% of grade**

This is an opportunity for you to work with your classmates outside of class to complete a problem set.

**Quizzes (10) - 10% of grade.** There will be a quiz every class period (this is how I take attendance). There will be one or two homework problems from the previous night's homework I expect you to turn in accurate, complete work.

**Final Exam - 30% of grade**

This will be a two-hour cumulative test during the regularly scheduled final-exam period that covers the first five chapters of the textbook and focuses on the Student Learning Outcomes for the course.

**Grades:**

The **grading scale** will be no stricter than:

90-100% A

80-89% B

70-79% C

55-69% D

under 55% F

If your score on the final or your weighted test average is 70% or higher, then you will pass the class. Note, however, that a student is much less likely to pass the next course in a sequence after receiving a C in the pre-requisite course than if s/he had received an A or B. That is, a C is NOT "good enough."

## Homework Assignments and Schedule- Subject to change by Instructor

- These are the problems you should do outside of class with a partner.
- “Orally” means you don’t have to write it down. “eoo” means “Every Other Odd” problem
- \*starred groups of problems are “must-do” but you should do the easier ones first

ALWAYS check answers to odd problems in the back of the book, as you go.

Week #		TUES	WED	THURS
1	Sept 1-3		1.1 #1-8 orally, 9-89 eoo, 93-114 eoo  *1.2 #54, 70, 72, 74, 76, 85-92, 95-97, 100	1.2 #1-6 orally, 7-49 eoo, 57-81 odds  *1.2 #54, 70, 72, 74, 76, 85-92, 95-97, 100  *1.3 #5-8, 18-19, 36b-37b, 39-54, 62, 66-74, 83
2	Sept 8-10		1.4 #1-27, 35-42 orally, 53-75 odds  *1.4 #28, 32, 34, 48-49, 52, 74, 77-80	1.5 #1-10 orally, 11-79 eoo, 81-133 odds  *1.5 #80-134 evens  *1.6 #25, 49, 77, 85, 105, 117, 121
3	Sept 15-17		1.7 #1-18, 21-41 orally (but check your answers), 43-61 odds, 65-87 odds,  *1.7 #19-20, 62-63, 86, 89, 91, 93	1.8 #1-34 orally, 37-79 odds  *1.8 #35-36, 81-90  **“mixed review” p. 82 all  *2.1 #1-3 orally, 5-45 odds, 53-67 odds  *2.1 #47, 49, 51, 69, 71, 75-78  *Ch. 1 “test” (all)
4	Sept 22-24		2.2 #1-3, 5-20 orally, #21-51 odds, 57-67 odds,	TEST 1: 1.1-2.1 2.2 # 77-82 *2.2 #53, 55, 69, 73-76  2.3 #1-8 orally, 9-19 odd-51 odd, 65-75 odd, 81-85 odd  *2.3 #53-63 odd, 77-80
5	Sept 29- Oct 1		2.4 #1-4 orally, 5-10, 13-21, 23-29, 32-46, 51  *2.4 #11-12, 22, 30-31	2.4 #52-58, 59-62 2.5 #1-12 orally, #13-45 odds  *2.5 #20, 22, 28, 38, 42, 46  *2.5 #47-58, 84, 86, 88, 90 2.5 #59-65 odds, 67-83, 85-97 odds
6	Oct 6-8		2.6 #1-42 all	2.6 #43-109 odds,  *2.6 #50, 56, 62, 70, 74, 80, 102, 104, 106  2.7 #1-32 all Ch. 2 Rev. sections 2.1-2.3
7	Oct 13-15		*2.7 #33-52 all  Ch. 2 Rev. sections 2.4-2.5	2.8 #1-5 orally, 5-49 odds, 63-77, 83-101 odds  *2.8 #51, 55, 73, 77, 79-82, 103
8	Oct 20-22		3.1 #1-10 oral, 11-45 odds, 59-64 oral, 65-77 odds  *66, 70, 74, 76	Test 2: 2.2-2.8  3.2 #1-29 odds, 30, 31-65 odd, 67-74 all  *36, 42, 48, 64, 68, 70

**SCHEDULE - Subject to change by Instructor - Part II**

Week #		TUES	WED	THURS
9	Oct 27-29	<b>3.3</b> #1-8, 9-20 oral, 21-63 odds, 65-71, Ch. 3 rev. 3.1-3.2	<b>3.3</b> * #22, 24, 26, 40, 48, 52  <b>3.4</b> #1-14 oral, 15-63 odds	<b>3.4</b> #65-77 odds, 79-84 all <b>*#36,42,62,70,74,78,80</b> Summary exercises p. 222 #1-19 odds, 20, 21-31 odds
10	Nov 3-5	<b>4.1</b> #1-95 odds <b>*#76, 78, 82, 86, 90, 94</b>	<b>4.2</b> #1-77 odds, 86, <b>*#34, 56, 72, 78</b>	Summary exercises p. 247 #1-39 odds, 40 Ch. 3 "Test"
11	Nov 10-12	<b>4.3</b> #1-61 odds, <b>*#20,22,36,40,50,58</b>	<b>4.4</b> #1-16 oral, 17-95 odds, 97-100 all, Ch. 2 "Test" #1-10 <b>*#36,42,48,54,70,86</b>	<b>4.5</b> #1-67 odds, 69-97 every other odd <b>*#26,34,58,68,84,98</b>
12	Nov17-19	<b>4.6</b> #3-59 odds, 61-66 Ch. 3 rev. #3.3-3.4	<b>TEST 3 (3.1-4.5)</b> Ch. 2 Cumulative Review (all)	<b>4.6</b> #77-83 odds <b>*#20, 36, 56, 80</b>  <b>4.7</b> #1-6 oral, 7-35 every other odd
13	Dec 1-3	<b>4.7</b> #43-83 every other odd and <b>*#16,36,46,56,66,76</b> <b>Appendix C</b> #1-15 odds and <b>*C#6, 16</b>	<b>5.1</b> #1-89 every other odd <b>*#52, 58, 72, 78</b> <b>5.2</b> #1-24 and Ch. 4 Review 4.1-4.3	<b>5.2</b> #25-65 every other odd <b>*#36, 48, 56, 62</b> <b>5.3</b> #1-85 every other odd and <b>*#28, 40, 54, 70, 84</b> Ch. 4 Review 4.4-4.7
14	Dec 8-10	<b>5.4</b> #1-6, 7-95 every other odd <b>*#24, 30, 36, 50, 65, 82</b>	<b>5.5</b> #1-10 oral, 11-79 every other odd, 80 <b>*#36, 50, 56, 60, 68</b>	<b>5.6</b> #3-33 odds, 34-37 all and <b>*#12, 16, 20, 38, 36, 38</b>
15		Ch. 5 Review (all)	<b>TEST 4 - 4.6-5.6 (NO MAKE-UP POINTS)</b> Ch. 3 Cumulative Review	<b>Review (last day of class)</b> Ch. 4 Cumulative Review; Chapter 5 Cumulative Review
Finals		<b>FINAL START</b>	<b>Cumulative Final Exam 11:30 to 1:30 (NO MAKE-UP POINTS)</b>	

The above schedule, policies and assignments in this course are subject to change in the event of extenuating circumstances or by mutual agreement between the instructor and students.

Partner \_\_\_\_\_

Partner \_\_\_\_\_

Partner \_\_\_\_\_

Partner \_\_\_\_\_

## College-Wide Student Learning Outcomes and Course Policies

- A. **Critical Thinking:** Classroom activities will require sound reasoning to analyze, model and solve problems.
- B. **Communication:** On in-class activities and tests you will be expected to show and explain your work in a clear, well-organized manner.
- C. **Quantitative Reasoning:** This is the core of your mathematics learning experience and will be demonstrated in all the work you do in this course.
- D. **Apply self-assessment and reflection strategies** to learn from your mistakes and to seek better methods to solve particular problems.
- E. **Civic Responsibility:** Students are expected to respect classmates as well as the instructor. This includes refraining from disruptive behavior (coming late, leaving early, wandering in and out of class, eating/drinking during class, side conversations, instant messaging, etc) and practicing positive behaviors (cooperation, civility, helpfulness, constructive engagement in class activity).
- F. **Technical Competence:** Students are expected to utilize web-based resources to complement classroom- and text-based activities.
- G. **Cultural Diversity:** Respect for all classmates and appreciation of the universality of mathematics in diverse cultures.
- H. **Ethics:** All students will maintain the highest standards of academic honesty. You may NOT give or receive help on tests or quizzes, and you may not turn in someone else's work as your own. *NOTE: If you are discovered committing any act of academic dishonesty (cheating), you will receive no credit ("zero") for the test or assignment AND you will be suspended from class AND the case will be referred to the Vice-President for Student Affairs for further disciplinary action. For further information see the WLAC Catalogue and Schedule of Classes.*
- I. **Aesthetics:** Mathematicians often talk about a "beautiful" or "elegant" method of solving a problem.

<b>West LA College Student Learning Outcomes:</b>		Quanti- tative Literacy	Critical Thinkin g	Commu nication	Tech Compe- tence	Ethics
<i>Math 123a Course SLOs</i>	<i>Math Program SLOs</i>					
1. Perform basic operations on rational numbers and polynomials, including correct use of order of operations	Apply quantitative thinking processes using basic mathematical operations	X				X
2. Use appropriate techniques to solve linear and factorable quadratic equations and linear inequalities	Use mathematical tools essential for analyzing quantitative problems and for producing solutions.	X				X
3. Write, graph linear equations in two variables; analyze slope and intercepts		X	X	X		X
4. Factor polynomials		X	X			X
5. Solve problems using ratio, proportion, and percent		X	X	X		X
6. Analyze, model, and solve "story" problems (applications) using (2) above	Select appropriate math strategies for solving and handling real life problems	X	X	X		X
7. Locate and utilize supplemental resources online and in textbooks					X	X
Student achievement of SLOs will be assessed by means of tests as well as informal measures such as class participation, classwork, and student self-assessment.						

