

Math 123B (#4480) Fall 2014 TuTh 7:30 - 9:35 am

Elementary and Intermediate Algebra II (4 units) Classroom MSA 009

This is the second 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 123A with a grade of "C" or better, or equivalent preparation approved by the Chair of the Mathematics Division.

**Instructor:** Mr. Aaron Simo

*Office Hours:* 9:35-9:55pm right after class in MSA 009. *email:* asimo5@yahoo.com

**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 5-10 in this course and the remainder of the book in Math 123C.

**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: working a job (or needing one), dealing with 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 can help, too (although they have been heavily impacted by cutbacks). These include **Workforce Development, TRIO-SSS, EOP&S, Counseling, 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 general LA County hotline is **211** - they can refer you to publicly available services in your area.

**Homework** You will come up at the beginning of the class on Thursday and show me your homework from the previous week. So if we covered sections 1, 2 and 3 last week, then on Tuesday you should ask questions that you couldn't figure out at the beginning of class, and then on Thursday you'll come up in alphabetical order and I'll check your homework, but you will not turn it in.

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

**Calculators:** 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 (preferably) or telephone as soon as possible.

***"Did I miss anything?"*** Of course you did! The schedule in this syllabus packet tells you what section of the text we're working on each day. If you miss a class, try to read that day's section and do the homework problems. You might also look for an instructional video on YouTube. If you can't figure it out, consult a tutor or use the instructor's office hours to get help.

### **IMPORTANT DATES:**

**FIRST OFFICIAL DAY OF CLASS: Tuesday, September 2**

Last day to add a class, or to drop without fee and without W: Friday, September 12

Last day to drop with W: Friday, November 21

# Evaluation/Grading

## In-Class Tests (4) - 52% of grade

Make-up tests will only be given if there is a valid, documented excuse and if requested (by phone or email) by the end of the test day. Options for earning-back points may be limited.

If you always get nervous on math tests, see Mr. Timothy Russell to sign up for **LSK 015A Overcoming Math Anxiety A** (1 unit NDA RPT 3) HLRC 112

## Final Exam - 33% of grade

This will be a two-hour cumulative test during the regularly scheduled final-exam period that covers Chapters 1-10 of the textbook and focuses on the Student Learning Outcomes for Math 123B.

## Homework - 15% of grade

## Grades:

The grading scale will be no stricter than:

90-100% A

80-89% B

70-79% C

55-69% D

under 55% F

*However, if your score on the final is 70% or higher, then you will pass the class regardless of your overall average.*

## Schedule- Subject to change by Instructor

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

Week #	Tuesday / Thursday				
1	Sept. 1-4	Welcome and Introductions	5.1	5.2 5.3	5.4
2	Sept. 8-11		5.5	5.6	6.1 Ch. 5 review
3	Sept. 15-18	Review for Test 1	6.2	6.3 ch. 2 and 5 review	Test 1 (covers Ch. 5, 6.1-6.2 and review problems from Ch. 2) Homework: Ch. 2 "Test"
4	Sept 22-25	Work on Ch. 2 review problems	6.4	6.5	6.6
5	Sept 29- Oct. 2		6.7 Ch. 6 review	7.1 Ch. 6 "Test" #1-10	7.2 7.1
6	Oct. 6-9	Review for Test 2	7.3 Ch. 6 "Test" #11-20	7.4 Ch. 6 "Test" #21-25	7.5
7	Oct. 13-16	Catch-up on Chapter 7	7.6	8.1 8.2	Test 2 (covers 6.3.-7.5 and review problems from Ch. 2) Homework: Ch. 6 "Cumulative Review"
8	Oct. 20-23		8.3 summary exercises p. 525 #1-10	8.4 summary exercises p. 525 #11-20	8.5 summary exercises p. 525 #21-25

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

Week #	Tuesday / Thursday				
9	Oct. 27-30		<b>8.6</b> Ch. 3 “test”	Review Ch. 7 “Test” #18-28 Ch. 8 “Test” (all)	App A Ch. 8 Review #36-48
10	Nov. 3-6	Work on matrix methods	9.1	9.2	<b>Test 3</b> (Covers 7.3-8.6 and review ch 3)  Homework: Ch. 7 “Cumulative Review”
11	Nov. 10-13		Veterans’ Day Holiday (School closed)	9.2 9.3	9.3 summary exercises (p. 583) odds
12	Nov. 17-20		10.1	10.2 Ch. 4 Review #89-108	10.3 Ch. 9 “test” (all)
13	Nov. 24-27	Catch-up on Chapter 10	10.4 10.1	10.5 and summary exercises 1-39 all	<b>Thanksgiving Holiday (School closed)</b>
14	Dec. 1-4		10.6 Ch. 8 “Cum. Rev”	10.7	<b>Test 4</b> (covers App. A, Ch. 9, 10.1-10.5, and rev ch 4)  Homework: Ch. 9 “Cumulative Review”
15	Dec. 8-11		Review for final Ch. 5 “Test” Ch. 10 “Test”	Review for final Ch. 10 “Cum. Review”	Review for final
Finals	Dec. 15-18	<b>FINALS START</b>			

<b>West LA College Student Learning Outcomes:</b>		Quantitative Literacy	Critical Thinking	Communication	Technical Competence	Ethics
<i>Math 123B Course SLOs</i>	<i>Math Program SLOs</i>					
1. Perform operations involving rational and radical expressions, real and complex numbers, and functions	Apply quantitative thinking processes using basic mathematical operations (addition, subtraction, multiplication, division)	X	X			X
2. Use appropriate techniques to solve equations, including: linear and quadratic equations; equations involving radical or rational expressions or absolute value; and systems of linear equations.	Use mathematical tools essential for analyzing quantitative problems and for producing solutions.	X	X			X
3. Solve and graph linear and compound inequalities in two variables		X	X	X		X
4. Graph and analyze linear functions		X	X	X	X	X
5. Analyze, model, and solve “story” problems (applications) within the above scope	Select appropriate math strategies for solving and handling real life problems	X	X	X		X
<b>SLO ASSESSMENT</b>						
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.						