



WESTLOS ANGELES COLLEGE

Mathematics 123 B- Section -1480, Summer 2014

Instructor : C. Raffel

Office Hours: Mon/Wed; 10:10AM - 11:00AM

Class time: MTWTh; 8:00 AM - 10: 05AM

Location MS 109

Instructor Email address:wijesecc@wlaac.edu

Required Text: Beginning & Intermediate Algebra by Lial, Hornsby & McGinnis. The Bookstore has a WLAC Custom Edition which is basically the regular 5th ed (2012, ISBN-9780321715869) We will cover chapters 5-10 in this course and the rest of the book in Math 123C. You can get the 5th edition (used or in electronic form) much more cheaply on-line. Rental is NOT a good option because you will need this book for three semesters.

Supplies: Textbook with you in every class session. Scientific calculator, Folder, Different colored pens or pencils, note book.

Prerequisite: Mathematics 123A with a grade of "C" or better, or placement through the WLAC Assessment process.

Materials:

- ◆ Textbook
- ◆ Pencil and Paper to take notes
- ◆ Graph Paper
- ◆ Stapler
- ◆ Calculator: Scientific Calculator

PHONES are not allowed to be used as calculators during class time ... this includes during exams!

Course Description: 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.

123B Course SLOs

1. Perform operations involving rational and radical expressions, real and complex numbers, and functions .
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.
3. Solve and graph linear and compound inequalities in two variables
4. Graph and analyze linear functions
5. Analyze, model, and solve "story" problems (applications) within the above scope

Student Learning Outcomes (SLOs) Upon successful completion of the course, students will be able to:

- a. **Critical Thinking:** Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.
- b. **Communication:** Effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academics, work, family and community settings.
- c. **Quantitative Reasoning:** Identify, analyze, and solve problems that are quantitative in nature.

Official Program SLOs

- a. Apply quantitative thinking processes using basic mathematical operations to solve common academic, workplace, and family problems. (Theme: mathematical operations)
- b. Use mathematical tools essential for analyzing quantitative problems and for producing solutions. (Theme: mathematical tools)
- c. Select appropriate math strategies for solving and handling real life problems involving finance, economics, and family issues. (Theme: mathematical problem-solving)

Course Requirements

1. We will cover chapters 5-10. I strongly recommend that you read the material we will cover in class before that class!

2. **Methods of presentation:**

- ◆ Lecture
- ◆ Class discussions
- ◆ Asking and answering questions
- ◆ Interactive peer-to-peer activities, projects and group

3. **Attendance:**

I will be taking attendance on daily basis. Students are expected to attend every class. It has been my experience that student who do not attend class regularly perform poorly on the exams. Plan to attend every class meeting on time. For each class meeting during the first 5 -10 minutes will start with a review of the previous homework assignment. This will involve questions by students on specific problems and explanations by the instructor or a student. Next, new topics will be introduced. During the lecture, there will be many examples presented. Active participation is very important. At this time, you should ask questions and volunteer answers. Individuals will be called upon in class to provide suggestions on how to proceed with a problem. The methods of instruction in this class will be lecture, discussion, and group learning. You are expected to take an active role in this learning. You are responsible for all information covered in class. **If a students have six hours or more absences, the instructor may drop them from the course and they may receive a “W”.**

4. **Homework:** The most important part of any mathematic course is the homework. Typically in a Math class, to understand the majority of the information it is necessary to continuously practice your skills. This requires a tremendous amount of effort on the student’s part. Otherwise, it is impossible to succeed in any college level mathematics class. Do your homework as soon as you can after each class meeting. Read the material in the next lessons before class. **In this course you must expect to spend minimum of at least three hours outside of class for each hour spent in class.**

5. **Class Notes:** Students are required to copy notes from the class discussion. Please keep a separate note book for class notes.
6. **Group work:** This is also another method of instruction for this class. At the end of some of the class meetings are composed group work sessions. (Group of 3 to 4 students). For each group work session, at the end of the class all of the papers will be collected but only one paper from each group will be graded or a quiz is given from the group work problems.
7. **Required Homework/ Group Work Format:**
- ◆ Always present neat work
 - ◆ For every assignment, if your assignment spans more than one page, staple them together
 - ◆ If your paper from a spiral bound notebook, tear off the edge.
 - ◆ Show all adequate steps for the work.
8. **In Class Quizzes and Chapter Exams:** There will be 5 quizzes and 4 chapter exams as outlined on the attached schedule. The lowest quiz grade will be dropped. Therefore you will not be allowed to make up any missing quizzes. Arriving late during a quiz/chapter exam will lead you to have less time to complete the quiz/chapter exam. Each chapter exam will be given a maximum of 100 points. No make-up exams will be given, but your final exam will replace one missed exam. Refer to your course schedule in advance for the dates of the quizzes and chapter exams. Review all the corresponding CLASS NOTES and HW problems before each quiz/chapter exam. **Missed quizzes/chapter exams will be scored as zero.**
9. **Final exam:** There will be a comprehensive final exam during the week of final exams(August 7th) The final exam should be taken seriously and will require a good deal of dedication on your part in terms of study time.
Several weeks before the final. must review your class notes, Chapter exams, quizzes. Homework, and class work from the semester.

10. **Class Expectations:**

1. Full participation in the class which involves regular attendance, coming to class on time prepared with appropriate reading and writing materials , being focused and engaged in the class activities , and stay until class is over.
2. All assignments will be turned in on the due dates; work will be neat and legible.
3. You will at all times demonstrate the required respect, professionalism and integrity that is expected of a person committed to becoming successful in college.
4. You will keep the instructor informed and aware if you are having in difficulty in attaining success in any aspect of what is required of you. If you fail-I fail!!
5. That you utilize the resources made available to you in terms of tutoring, mentoring, additional support from the instructor during and after class time.

11. Grading System

Assignment Category	# of Assign.	Points Per Assignment	Total Points	% of Total Grade
Quizzes	5	20	100	10%
HW	20	5	100	10%
Classwork	25	2	50 +50 EC	5% +(5% EC)
Chapter Exams	4	125	500	50%
Final Exam	1	250	250	25%
Grand Total			1000	100%
900 - 1000 = A	800 - 899 = B	700 - 799 = C	600 - 699 = D	599 and below = F

12. Cellphone Policy: Students may not use their cell phones to accept or make calls while in class (no cell phones on the desk). If cell phones and beepers are brought to class, they must be turned to silent or vibration mode. Students who do not adhere to this policy will be asked to leave the class. If it happens a second time, the student will be referred to the Vice President of Student Services, and will return to class only after the Vice President has cleared him/her to return.

Children in class: By directives of Academic Affairs, students are not allowed to bring their children to class. Childcare arrangements need to be made outside of class time.

Disability Policy: If you have a disability and might need accommodations in this class, please contact DSP&S office. I accommodate all necessities you might need in this class upon receiving the required direction from the center. Please contact (310) 287-4450 for more information.

Cheating Policy: Cheating constitutes academic dishonesty and in general will be handled as part of the course grading process. The penalty may range from on credit for assignment up to and including exclusion and/or an "F" grade for the course.

Disclaimer: Although every effort will be made to adhere to the policies, procedures, and schedules outlined in this syllabus, the instructor reserves the right to revise any information without prior notice.

Important Dates:

Deadlines:		
Add a Traditional Class	Jun 15 - Online Jun 20 - In Person	Jun 15 - Online Jun 20 - In Person
File Pre-requisite / Challenge Petition	May 30	May 30
Drop a Class w/o a Fee	Jun 20	Jun 20
Drop a Class w/o a W	Jun 20	Jun 20
Drop w/ a W	Jul 17	Jul 25
File Pass / No Pass	Jun 20	Jun 20
GRADUATION PETITION ACCEPTED	Apr 7 - Jul 18	Apr 7 - Jul 18
CAMPUS CLOSED	Jul 4	Jul 4

Internet Resources:

- West Los Angeles College www.wlac.edu
- WolframAlpha <http://www.wolframalpha.com/>
- Purple Math <http://www.purplemath.com/>
- Math TV <http://www.mathtv.com/>
- Khan Academy <http://www.khanacademy.com>

Please write the phone number and email address of at least three of your classmates in spaces provided here. Having some contact information from your classmates will help you during the semester.

Name: _____ Phone #: _____ email: _____

Name: _____ Phone #: _____ email: _____

Name: _____ Phone #: _____
email: _____

I, _____, read and completely understood the content of this syllabus. If there are questions or disagreement with the content, I will contact me, on or before June 30th.

Your Initials: _____

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Lecture OUTLINE (This schedule is tentative. It is subject to change.)

C. Raffle

Week	Monday	Tuesday	Wednesday	Thursday
Week 1 6/16- 6/20	Introduction Review of 123 A	Assignment #1 5.1 #33-59 odds, 69-89 odds 5.2 #25-65 odds	Assignment #2 5.3 #33-83 odds 5.4 #37-81 eoo, 83-95 odds, summary exercises on factoring #11-89 odds	Assignment #3 5.6 #3-38 all Ch. 2 "Test"
Week 2 2/23- 6/27	Quiz #1 Assignment #4 6.1 #1-11 odds, 14-16, 17- 27 odds, 29-30, 31-99 eoo, 101-104	Assignment #5 6.2 #1-55 odds ch. 2 review #67-82 Ch. 5 review #57-84,	Exam #1 Exam # 1 (covers Ch. 5, 6.1- 6.2 and review problems from Ch. 2)	Assignment #6 6.3 #5-43 odds, 6.4 #9-71 eoo, 73-80
Week 3 6/30- 7/4	Assignment #7 6.5 #5-43 odds, 59-66 6.6 #19-95 odds	Assignment #8 6.7 #3-43 odds Ch. 6 review #55-65	Assignment #9 7.1 #1-4 oral, 5-35 odds, 41- 46 oral, 47-59 odds, 63-99 odds Ch. 6 "Test" #1-10	Assignment #10 Quiz #2(Ch. 6) Review for exam #2 Chapter 6 Review Exercises Chapter 6 Test
Week 4 7/7- 7/11	Exam #2 Exam # 2 (covers Ch. 6.3.1-6.7, 7.1 and review problems from Ch. 2)	Assignment #11 7.2 #7-14 oral, 15-73 eoo, 75- 91 odds 7.1 #101-110	Assignment #12 7.3 #9-51 odds, 53-60 7.4 #3-53 odds, 57-66	Assignment #13 7.5 # 1-81 odd, 83-86 7.6 #1-18 oral, 19-35 odds, 37- 60
Week 5 7/14- 7/18	Assignment #14 Catch-up on Chapter 7; 8.1 ##1-13 eoo, 14, 15-41 odds, 43-48	Assignment #15 8.2 #1-31 odds	Assignment #16 8.3 #1-41 odd summary exercises p. 525 #1-10 8.4 #1-41 odd summary exercises p. 525 #11-20	Assignment #17 Quiz #3 Review for exam #3 Chapter 7 Review Exercises, Chapter 7 Test Begin review for final exam
Week 6 7/21- 7/25	Exam #3 Exam # 3 (covers Ch. 7.2.- 7.6, 8.1- 8.3 and review problems from Ch. 2) Assignment #18 8.4 #1-41 odd summary exercises p. 525 #11-20	Assignment #19 8.5 #1-45 odd, 47-52 summary exercises p. 525 #21-25 9.2 #87-103 odds, 105-106, 111-114	Assignment #20 9.3 #1-12 oral, 13-48 all 9.3 #49-52 oral, 57-66 odds, summary exercises (p. 583) odds 10.1 #1-42 oral, 43-61 odds, 63-66 all, 67-97 eoo, 99-125 odds, 127-128 oral, 141-154 all	Assignment #21 10.2 #1-10 oral, 11-89 eoo, 91- 101 odds, 103-108 all Ch. 4 Review #89-108 10.3 #1-93 eoo, 95-125 odds, 127-140 all Ch. 9 "
Week 7 7/28- 8/1	Quiz #4 Assignment #22 10.4 #1-63 odds 10.1 #129-140	Assignment #23 10.5 #1-105 eoo, summary exercises (p. 642- 643) #1-39 all	10.6 #1-67 odds, 69-70 Ch. 9 "Cumulative Review"	Review for exam #4 Chapter 9 &10 Review Exercises, Chapter 9 Test
Week 8 8/4- 8/8	Exam #4 Exam # 4, covers Ch. 8.4.- 8.5, Chap 9 and Chap 10	Assignment #3 NON-INSTRUCTION DAY – office hours instead	Assignment #3 Review for final exam	Final Exam