Division: Mathematics
Course name: Math 105: Basic College Mathematics
Section: 1452 **/ Semester:** Spring 2015

Instructor Name: H. Feiner	**School Website: www.wlac.edu**
Class Hours: TuTh	**Address: 9000 Overland Ave., Culver City, CA 90230**
9:35 a.m. – 11:00 a.m.	**Location: ATA 201 (may change)**
Office Hours: MW 2:30-4:30,	**Instructor E-mail: FeinerH@wlac.edu**
And TuTh 2:30-4:00	**Office Location: MSB 219**

Welcome

This semester, you will work to develop your mathematical thinking skills. The goal is for you acquire the basic 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 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 bind memorization of rules.☺

Course Description:

This course is designed to give students an understanding of and a competency in the basic operations of elementary arithmetic. To attain this mastery, students must have a genuine desire to remove arithmetic deficiencies. Topics include operations with whole numbers, common and decimal fractions, percentages, the study of the metric system and simplified calculations. Students are at the basement of their technical endeavor. If students think that mathematics (like 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, when you have more responsibilities and less time, you may regret that you were not serious in mastering basics. This course is not UC/CSU transferable.

Required Texts

The textbook. Is "Basic College Mathematics" by Aufman, Barker, and Lockwood. We will use an earlier less expensive edition. (The tenth edition is presently published.) The ISBN for the seventh edition is 0-618-202854.
My book at http://resources.wlac.edu/userfiles/feinerh/ArithBook.PDF (free)
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) Martin-Gay Basic College Mathematics 5e
Submit
Chapter Contents opens. Click on chapter 1 and expand (click on the plus sign).
Click on section 2 "Place value, …" 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

NO calculator.
My book at http://resources.wlac.edu/userfiles/feinerh/ArithBook.pdf

Required Materials

- One notebook for class notes
- and one for homework.
- #2 pencils or pens, and an eraser

Course Objectives: (use COR / ECD approved objectives)

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By the end of the course, the student should be able to:
1. Read and write whole numbers in words and in expanded form
2. Use rounding and estimation in applications of arithmetic
3. Add, subtract, multiply, and divide whole numbers
4. Use estimation to assess reasonableness of calculations
5. Correctly use Order of Operations
6. Factor whole numbers completely, and find the greatest common factor of a set of numbers
7. Use whole-number operations in applied contexts
8. Write and interpret fractions, and represent common fractions in multiple ways
9. Add, subtract, multiply, and divide common fractions and mixed numbers
10. Solve applications problems involving common fractions
11. Read, write, round off, and compare decimal fractions
12. Add, subtract, multiply, and divide decimals
13. Convert among common fractions, decimals, and percents
14. Write, interpret, simplify, and convert ratios and rates
15. Use proportions to solve problems
16. Solve problems that involve percents

Student Learning Outcomes (SLO)

Use rounding and estimation in applications of arithmetic.

Criterion Level : Each question will be answered correctly by 60 % of students.

Add, subtract, multiply, and divide fractions and mixed numbers and decimal numbers.

Criterion Level : Each question will be answered correctly by 50 % 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. An excuse needs to be substantiated in writing.

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

- Homework. Collect only homework in your notebook for homework. Bring to class daily. Turn in on Fridays before the test. Show the chapter and section number on each odd-numbered page. Show your reasoning/work unless the problem is trivial. Box in your answers. No late homework.
- Exams (no exam will be dropped)
- Final
- Bring your textbook and supplies to class every time.

Late Assignments

No credit.

Grading

Assignment Category	# of Assign.	Points Per Assignment	Total Points	% of Total Grade
Quizzes	**Approximately 25**	**2**	**50**	**Extra credit**
Tests	**5**	**100**	**500**	**59%**
Final	**1**	**300**	**300**	**35%**
Homework	**5**	**10**	**50**	**6%**
Grand Total	**36**	**-**	**900**	**100%**
761 – 900 (90%) = **A**	681 - 760 (80%) = **B**	596 –681 (70%) = **C**	511 - 595 (60%) = **D**	510 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:
http://www.wlac.edu/academics/pdf/WLAC_12-14Catalog_Policies.pdf

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 105 Class Schedule – Spring 2015 8:00 a.m. – 10:05 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:

Tu 2/10: 1.1 Introduction to Whole Numbers Tu 2/10: 1.2 Addition of Whole Numbers.	Th 2/12: 1.3 Subtraction of Whole Numbers Th 2/12: 1.4 Multiplication of Whole Numbers.
Tu 2/17: 1.5 Division of Whole Numbers	Th 2/19: 1.6 Exponential Notation and the order of Operations.
Tu 2/24: Prime Numbers and Factoring	Th 2/26: **Test 1**
Tu 3/03: 2.1 The Least Common Multiple and Greatest Common Factor.	Th 3/05: 2.2 Introduction to Fractions.
Tu 3/10: 2.3 Writing Equivalent Fractions.	Th 3/12: 2.4 Addition of fractions and Mixed Numbers.
Tu 3/17: 2.5 Subtraction of Fractions and Mixed Numbers.	Th 3/19: 2.6 Multiplication of Fractions and Mixed Numbers.
Tu 3/24: Division of Fractions and Mixed Numbers.	Th 3/26: Order, Exponents, and the Order of Operations Agreement.
Tu 3/31: No classes	Th 4/02: **Test 2**
Tu 4/07:No classes	Th 4/09:No classes
Tu 4/14: 3.1 Introduction to Decimals Tu 4/14: 3,2 Addition of Decimals	Th 4/16: 3.3 Subtraction of Decimals Th 4/16: 3.4 Multiplication of Decimals
Tu 4/21: 3.5 Division of Decimals.	Th 4/23: 3.6 Comparing and Converting Fractions and Decimals.
Tu 4/28: **Test 3**	
	Th 4/30: 4.1 Ratio Th 4/30: 4.2 Rates Th 4/30: 4.3 Proportions
Tu 5/05: 5.1 Introduction to Percents.	Th 4/30: 5.2 Percent Equations Part I Th 4/30: 5.3 Percent Equations Part II Th 4/30: 5.3 Percent Equations Part III
Tu 5/12: 5.4 Proportion Method	Th 5/14: **Test 4**
Tu 5/19: 6.1 Applications to Purchasing Tu 5/19: 6.2 Percent Increase and Percent Decrease	Th 5/21: 6.3 Interest Th 5/21: 6.4 Real Estate Expenses
Tu 5/26: 6.5 Car Expenses Tu 5/26: 6.6 Wages	Th 5/28: **Test 5**
Tu 6/02: **Final 10:15 (double check)**	