

**West Los Angeles Community College
Spring 2014
Math 112: syllabus**

Instructor

Beyene Bayssa
E-mail: bayssabt@lattc.edu

Course

Title: Pre-Algebra, **Course number:** Math 112, **Section:** 4462, **Room:** MSA 105
Time: 7:30 – 8:55 Pm **Days:** TTH.

Office hours

Tuesday 6:50 – 7:30 pm MSB 217.

Prerequisite: Math 105 with a grade C or above

Course Objective

1. Write and interpret fractions, and represent common fractions in multiple ways.
2. Add, subtract, multiply, and divide common fractions and mixed numbers.
3. Solve applications problems involving common fractions.
4. Read, write, round off, and compare decimal fractions.
5. Add, subtract, multiply, and divide decimals.
6. Convert among common fractions, decimals, and percents.
7. Write, interpret, simplify, and convert ratios and rates.
8. Solve problems involving proportions and percents.
9. Calculate powers and rational roots (where they exist) of rational numbers.
10. Read, construct, and interpret line graphs, bar graphs, and scatter plots.
11. Calculate and interpret the absolute value of a number.
12. Add, subtract, multiply, and divide integers.
13. Add, subtract, multiply, and divide non-integral rational numbers.
14. Identify and correctly use algebraic properties (commutative, associative, distributive; additive and multiplicative identities and inverses).
15. Use and manipulate variable representations in abstract and applied contexts.
16. Use basic properties of integer exponents to simplify expressions.

17. Add, subtract, multiply polynomials; divide a polynomial by a non-zero monomial.

<u>Course SLO</u>
1. Solve elementary practical applications using fractions and decimals.
2. Construct variable representations in abstract and applied contexts.
3. Solve problems involving proportions and percents

Text

Prealgebra by Elayn Martin_gay 6th edition

Home work

Home work will be given both in class and online. It will be collected on the test day for those sections the test covers and it will be checked for completeness. **No late** home work will be accepted. For every home work please

- Staple
- Write and underline or highlight the **Section number** (example **1.1**, or **1.2.**)
- Write your name (last name first).
- Show all **necessary work**.

Attendance

Attendance is important for a student success. Tardiness and early leaving are distractive and student is required to attend the full scheduled time. Excessive absence (**more than three classes**), excessive tardiness and excessive early leaving can cause exclusion from the class.

Examinations

Tests

Tests will be given as scheduled (will be announced if any change). **No make up** and **no early taking** exam is allowed. The lowest of for tests due to any reason

including **emergency** will be dropped. The final exam will not be dropped. Missed exams will be recorded zero.

Final examination

There will also be a comprehensive final examination on all chapters discussed. It will be given on

Date: June 03, 2014

Room: MSB 006

Time: 7:30 – 8:55 pm

Grading

Grading consists of

Homework -----	10%
Tests-----	60%
Final-----	30%.

Letter grade will be assigned as

- A:** 90% -100%,
- B:** 80% - 89% ,
- C:** 70% - 79%,
- D:** 60% - 69%,
- F:** 0% - 59%

Student Conduct in class

Any behavior that distracts instructional activity will not be tolerated. It includes but not limited to tardiness, use of electronics device and eating during class time, frequently coming in and out, interrupting student and instructor effort in class.

Important dates

Check for important dates such as add and drop dates on Spring 2014 academic calendar.

A student should properly enroll in class and also should properly drop the course whenever decided to do so.

Student with Disability

Student with disability should talk to the instructor to get all necessary help and arrangements.

Cheating

Cheating on exams is strictly forbidden. If a student is found cheating during exams he/she will be subjected to disciplinary action in consistent with college's rules and regulation. Student ID can be checked during tests.

W	T	HW	Th	HW
1	11-February 1.1,1.2 & 1.3	1.1:1-24:ODD 1.2:1-68 EOO & 7.1 1.3:1-100 EOO	13-February 1.4 & 1.5	1.4:1-62: EOO 1.5:1-88 ODD
2	18-February 1.6,1.7&1.8	1.6:1-106:EOO 1.7: 1-90:101,102 1.8: 1-88: EOO,93,96	20-February 2.1, 2.2 &2.3	2.1:1-100:101;102,108,110,116 2.2:1-84:EOO 2.3:1-84:EOO
3	25-February 2.4,2.5, 2.6&Review	2.4:1-122 : EOO 2.5:1-88:EOO 2.6:1-44:ODD	27-February Test 1 on Ch 1&2	Home Work_1 on 1.1 - 1.6 & 2.1 - 2.6 Due 26-Feb
4	04-March 3.1,3.2 &3.3	3.1:1-94:EOO 3.2:94:EOO 3.3:1-80:ODD	06-March 3.4:1-58:EOO	3.4:1-46:ODD
5	11-March 4.1,4.2&4.3	4.1:1-219 EOO,103,107 4.2:1-74:EOO 4.3:1-102:EOO	12-March 4.3 , 4.4&4.5	4.4:1-80: EOO,88,95,100 4.5:1-98:EOO
6	18-March 4.6,4.7&4.8&Review	4.6:1-56:ODD 4.7:1-108:EOO 4.8:1-70: ODD	20-March Test 2 on Ch 3&4	Home Work_1 on 3.1 – 3.4&4.1 – 4.8 Due 19-March
7	25-March 5.1,5.2&5.3	5.1:1-110:EOO 5.2:1-97:EOO 5.3:1-80:EOO	27-March 5.4&5.5	5.4:1-90:EOO 5.5:1-92:EOO 5.6:1-51:ODD
8	01-April 5.6 & 5.7		02-April 6.1&6.2	5.7:1-29:ODD,34,35 6.1:1-70:EOO 6.2:1-68:ODD,85,90
	08-April: No class		10-April: No class	
	15- April 6.3,6.4 & 6.5	6.3:1-48:ODD 6.4:1-56:ODD	17-April	6.5:9-34 EOO
10	22-April Review		24-April Test 3 on Ch 5 & 6	Home_work_3 on: 5.1 – 5.7 & 6.1 – 6.5 Due 23-April
11	29-April 7.1,7.2&7.3	7.1:1-88:EOO 7.2:1-48:ODD 7.3:1-48:ODD	01-April 7.4 & 7.5	
12	06-May 7.6 & 8.1	7.6:1-36:EOO 8.1:1-78:EOO	08-May	7.4:1-60:EOO 7.5:1-48:ODD
13	13-May 8.2		15-May 8.3	8.2:1-28:EOO 8.3:1-44:EOO
14	20-May 8.4 & Review	8.4:1-44:ODD	22-May Test 4 on Ch 7 & 8	Home Work_4 on 7.1 – 7.6 & 8.1 – 8.4 Due 14 - May
15	27-May NO class		29-May 9.1,9.2 &9.3	
16	03-May Final Examination.		04-May	

Some adjustment can be made to this syllabus depending on the progress of the course and hence check for any announcement that may be given in class. EOO: 1,5,9,13,17, 21, 25,..... ODD: 1,3,5,7,9,11,13,15,17.....submit only underlined ones.