# Math 112 - Prealgebra - Spring 2014
# MWF (9:25-10:20)AM – CMS 022

Instructor: Hamid Jafari , PhD
Section: 0345
Office Hours: MWF(10:20-11:00)AM
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Course ID: jafari27282

**Prerequisites:**
Math 105 with a grade of "C" or better, or appropriate skill level demonstrated through the Math assessment process, or by permit.

**Textbook:**
*PreAlgebra*, by Elayn Martin-Gay, sixth edition.

**Calculators:**
Calculators will not be allowed on quizzes and exams pertaining to chapters 1 through 5. Calculators will be allowed on quizzes and exams on some problems pertaining to chapters 6 through 10. Only scientific calculators are allowed. No graphing calculator, cell phone, nor hand held computer are allowed on a quiz or test.

**Tutoring:**
If you have questions and cannot make it to office hours, or you just like to get more help, free math tutoring is available at the STEM center M-Th from 10am-8pm in CMS 121.

**Description:**
This course will prepare you for Elementary Algebra. It is a review of arithmetic and an introduction to basic algebraic concepts. Topics include operations on the set of integers, fractions and decimals; algebraic expressions, solving equations, word problems involving integers, fractions and decimals; ratios, proportions and percents; and an introduction to geometry.

**Student Learning Outcomes:**
By the end of the course, the successful student will be able to:
1. Perform operations and simplify numerical and algebraic expression involving integer and rational numbers.
2. Write linear equations for word problems and solve.

**Homework and Quizzes:**

- Students enrolled in this section of Math 112 are required to register with MyMathLab online program and enroll in my section **course ID** jafari27282 to complete the required online homework, quizzes and practice tests. The access code for MyMathLab will be packaged with the new textbook sold in the bookstore. Textbooks purchased online or at other bookstores may not include the access code for MyMathLab. In that case students may purchase the access code for MyMathLab separately online at http://pearsonmylabandmastering.com.

- All homework and quizzes will be given through MyMathLab. Student should work on their homework as each section is completed in class. Students must complete all online homework and chapter quiz by the stated due date shown online. Since MyMathLab does not grade each step of students' work, it is important that students write down their solving steps clearly on paper in order to identify the mistakes made. All MyMathLab scores will be automatically transferred to the instructor after students hit the submit button. Instructor may require students to turn in all written work per homework assignment or chapter quiz to support answers submitted through MyMathLab. **No late homework and chapter quiz will be accepted**.

**Final:**
You are required to take the final exam to pass the class. The final is cumulative and will be on Monday, June 9 from 10:00 – 12:00 AM.

**Class Work:**
We will have in class work regularly. These might be in a group setting, or individually. The problems you will be working on will be from the textbook.

**Exams:**
There will be five exams. They are all free response, and they cover two chapters each. Students are not allowed to use notes during exams. The tentative testing schedule is given in the timeline. The lowest exam score will be dropped.

**Grading:**
Final grades will be based on:
▪ Best 4 out of 5 in class tests (The lowest test score will be dropped) – 52%
▪ 1 comprehensive final exam – 26%
▪ Quizzes – 8%
▪ Homework – 10%
▪ Class Work – 4%

Your grade in the course is determined according to the following scale:
A: 90% to 100%  B: 80% to 89%  C: 70% to 79%  D: 55% to 69%  F: below 55%

For borderline cases attendance, participation, and level of improvement on the final are considered.

*THERE WILL BE NO MAKE-UP QUIZZES OR EXAMS UNDER ANY CIRCUMSTANCES!*
*NO LATE HOMEWORK WILL BE ACCEPTED EITHER.*

**Attendance**:
Regular and punctual attendance is expected from all of us. Unlike most other courses, missing just one mathematics class will immediately place you at a disadvantage because it is difficult, if not impossible, to catch up on the missed material by yourself. You are responsible for all material presented and discussed in every class meeting. Absences of a total of 3 class meetings may result in excluding students from class. Students themselves are responsible for dropping a class they no longer attend; failure to do so may result in a grade of F.

**Withdrawals**:
If you wish to drop the class, you must do so on the Internet on or before Sunday, May 11, 2014. Failure to drop the class may result in a grade of "F" in the class.

**Cell Phones**:
Please turn off your phones before coming to class. Class time is for learning mathematics, not for personal or business calls.

**Cheating**:
Any form of academic dishonesty will not be tolerated. If caught, you may be given a zero for that particular exam or quiz. The event will be reported to the Math Department Chair who will forward the report to the VP of student services for disciplinary action which may include suspension or expulsion.

**Student Conduct**:
Students are expected to adhere to all school policies as described in the Schedule of Classes. Any infringement upon the rights of the other students in the class, such as talking or disruptive behavior will not be tolerated.

**Miscellaneous**:
To be successful in this and any other math class, expect to spend at least two hours for every class hour. The majority of learning that you do in college courses takes place outside of class. What you get out of this class will depend on how much you put into it. Mathematics is not a spectator sport, you have to put in the work to see the results!

A new state policy in effect as of Summer 2012 limits students to **3 attempts per course**. Receiving a grade or "W" for a course counts as an attempt, **regardless of when the course was taken**. Withdrawal by February 18, 2013 (avoiding a "W") will not count as an attempt.

**Important Dates for Spring 2014**

| | |
|---|---|
| Last day to add full term classes: | Friday, February 21 |
| Last day to drop without a "W": | Sunday, February 23 |
| Last day to petition for credit/no credit: | Friday, March 14 |
| Last day to drop with a "W": | On the internet: Sunday, May 11 |
| Final Exam: | Monday, June 9 from 10:00 – 12:00 AM. |

## Resources Available to Students at LA Mission College:

- **Bookstore:** For hours of operation, book availability, buybacks, and other information call (818) 364-7798 or 364-7768 or visit: http://eagleslanding.lamission.edu/

- **Counseling Department:** For appointments and information call (818) 364-7655 or visit https://www.lamission.edu/counseling/

- **Disabled Students Programs and Services:** For appointments and information call (818) 364-7732 or visit http://www.lamission.edu/dsps/

- **Extended Opportunity Programs and Services**: For appointments and information call (818) 364-7645 or visit http://www.lamission.edu/eops/

- **Financial Aid:** For information and applications call (818) 364-7648 or visit http://www.lamission.edu/financialaid/

- **Library:** For information on library hours, resources, workshops, and other services contact (818) 364-7105 or 364-7106 or http://www.lamission.edu/library/

- **Tutoring Services in Learning Center:** Laboratories for Learning, Writing, Math & Science. Walk-in and appointment services offered. Call (818) 364-7754 or visit http://www.lamission.edu/learningcenter/

- **Tutoring Lab & Math Center:** Free Math tutoring, computer and internet access. Call (818) 364-7811 or visit http://www.lamission.edu/mathcenter/

- **STEM Program:** For those interested in pursuing a science, technology, engineering and math, please call the STEM counselor Marina Sangkavichai at (818) 833-3425 or visit http://www.lamission.edu/stem/

## Success and Study Tips:

1. **Attend class--** Choose to attend all class periods on time and don't leave early. If you are absent on a day that a quiz is given, you lose the points for that quiz. Also, knowledge in any math class is extremely cumulative. What you miss one day will continue to hurt you throughout the rest of the course.

2. **Pay attention--** Pay attention in class, participate in class discussions, and ask questions. The instructor regularly gives away tips for exams and quizzes, so make sure you take note of them.

3. **Do all homework--** Do or attempt all homework not for the sake of just doing it, but trying to understand the concepts, learning them in the process. "Practice makes perfect" applies not only to music and sports, but also in mathematics. Be sure to schedule sufficient time to complete your assigned tasks before the next class period.

4. **Get help--** Know how to get help if you need it. Consult instructor during posted office hours. These hours are for you to visit me and ask questions and express any concerns you have. Use the

resources available to you for free (especially the Math Center which provides drop-in Math tutoring).

5. **Keep up with all work--** Getting behind will "snowball" on you very rapidly. Do your homework on a daily basis.

6. **Study math everyday--** Don't leave all the work until the weekend. No one can "digest" so much math all at once, no matter how much time you spend trying. Math is best studied in bite-sized, digestible pieces. That means studying a few hours every day.

7. **Read the text--** Reading your math text should be done slowly and carefully… it doesn't read like a novel or a magazine. It is important that you learn the language of math; you cannot succeed in any math course without learning to express yourself in that language. Only by reading your text carefully and regularly can you learn it. Also, make sure to check the additional resources available at the beginning or the end of the textbook.

8. **Get Organized--** Organize your class materials, including homework assignments, graded quizzes and tests, notes and any worked out review problems. These items will make valuable references when studying for upcoming tests and the final exam.

9. **Find other students to study with**. Group work can be very productive, and is very much encouraged. You'll be given opportunity to work in a group so exchange email and phone numbers with a couple of students in the class.

   Name:_____ Email:_____ Phone:_____

   Name:_____ Email:_____ Phone:_____

10. **Strive for understanding not just remote memory**. Understanding greatly enhances your ability to comprehend later material. Memory is unreliable, and temporary. Understanding is intense, never lost…and exciting!

# Spring 2014 Math 112 Tentative Timeline

| Date | Monday | Wednesday | Friday |
|---|---|---|---|
| February 10,12,14 | Intro+ Ch.1.2 | Intro + 1.3 to 1.6 | 1.7 to 1.8 |
| February 17,19,21 | President's Day(No Class) | **Ch.2.1- 2.2** | 2.3 to 2.4 |
| February 24,26,28 | Ch.2.5,2.5 | Review Test Ch.1 & 2 | **Ch.1&2 Test** (No Calculator) |
| March 3,5,7 | Ch.3.1,3.2 | 3.3 , 3.4 | 4.1 , 4.2 |
| March 10,12,14 | Ch.4.3, 4.4 | 4.5 , 4.6 | 4.7 , 4.8 |
| March 17,19,21 | Review Test Ch.3 & 4 | **Ch.3&4 Test** (No Calculator) | Ch.5.1 , 5.2 |
| March 24,24,28 | Ch.5.3 , 5.4 | 5.5 , 5.6 | 5.6, 6.1 |
| Mar31,April 2,4 | Cesar Chaves Day)No class) | **6.2, 6.3** | 6.4 to 6.5 |
| April 7,9,11 | Spring Break(No Class) | ***Spring Break(no class)*** | |
| April 14,16,18 | Review Test Ch. 5 & 6 | Review Test Ch. 5 & 6 | **Ch.5&6 Test** (Limit use of Calculator) |
| April 21,23,25 | Ch. 7.1, 7.2 | 7.3 to 7.4 | 7.5 to 7.6 |
| April 28,30,May2 | Ch.81 , 8.2 | Ch. 8.3 | Ch.8.4 |
| May5,7,9 | Ch. 9.1 | Review Ch.7 & 8 | **Ch.7&8 Test** |
| May12,14,16 | Ch.9.2 , 9.3 | 9.4 , 9.5 | 9.6 , 10.1 |
| May19,21,23 | Ch. 10.2 | Review Test Ch.9&10 | **Ch. 9 & 10 Test** |
| May26,28,30 | Memorial Day(No class) | Review Final Exam | **Review Final Exam** |
| June2,4,6 | Review Final Exam | No Class | No Class |
| June 9 | Final Exam (10-12)AM | | |