# Math 125, Intermediate Algebra, Spring 2014

**Instructor:** Tigran Mkrtchyan, **Section:** 3347, **Class Time:** MW 7:00- 9:30 PM**,** **Location:** CMS 023

## Instructor Contact Information:

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**Office Location:** CMS 249 (inside CMS 247)
**Office Hours:** MW: 8:30-8:50 am, 11:30 am-12:10 pm, 6:30-7 pm, TTH: 10:15-11 am, 6:30-7 pm or by appointment

**Textbook:** *Beginning and Intermediate Algebra,* by Elayn Martin-Gay, Custom Edition for Los Angeles Mission College. The textbook is **highly recommended**. If you took Math 115 recently at LAMC, you may have bought this book and used MyLabsPlus to do the online assignments. In that case, you don't need to buy anything for this class. If you didn't buy the book mentioned above, nor used the MyLabsPlus courseware, then you may purchase the textbook from the bookstore. The book comes bundled with the code needed to access the online assignments. If you choose not to buy the textbook, you may purchase the code online through MyLabsPlus, and this will give you access to the e-book.

**Prerequisites**: Math 115 with a grade of "C" or better or appropriate skill level demonstrated through the Math assessment process, or by permit.

**Important Dates**:

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|---|---|
| Last day to add classes: | Friday, February 21 |
| Last day to drop without a "W": | Sunday, February 23 |
| Last day to drop with a "W": | Sunday, May 11 |
| **Final Exam:** | **Monday, June 9, 8:00 –10:00 PM** |

**Course Description:** This course will prepare you for the next college-level math class such as Statistics, College Algebra, Calculus for Business and Social Science. There will be a brief review of concepts learned in Elementary Algebra using more challenging illustrations and examples. New topics include: rational exponents, nonlinear and absolute value inequalities, functions and their graphs, introduction to the conic sections, solving systems of three variables, second-degree systems, and an introduction to exponential and logarithmic functions.

**Student Learning Outcomes:** By the end of the course, the successful student will be able to:
1. Solve, graph, and analyze various equations or systems of equations and inequalities.
2. Interpret, graph and analyze various functions.

**Attendance and Participation:** It is very important that you attend every day. It means being in your seat on time, having your homework done, and being ready to participate. All students are expected to arrive on time. Late arrivals are disruptive to both the lecturer and students. Once you are seated, do not leave the room until the break. Such comings and goings are also disruptive. Students must turn off all cell phones and other electronic devices while in class.
Unexcused absences of three meetings may result in excluding you from class. However, **should a student decide to stop attending class it is their responsibility to drop the class; failure to do so may result in a grade of F**. All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not.
In order to succeed in class your mere presence in the classroom is not enough. You should actively participate in the classroom activities and discussions, take notes and ask questions each time you don't understand.

**Homework:**
Students enrolled in Math 125 are automatically registered in an online system called MyLabsPlus. Homework and practice exams will be assigned online through this system. The access code for MyLabsPlus is packaged with the new textbook sold in the Mission College bookstore. Textbooks purchased online or at other bookstores may not

include the access code for MyLabsPlus. The access code may be purchased on its own through lamc.mylabsplus.com site. Assistance in registering/purchasing the access code will be available the first day of class.
Students should work on their homework as each section is completed in class. There are due dates posted online for each HW and it is the students' responsibility to turn in the assignments by the due date. **No extensions will be granted**. All scores will be automatically transferred to the instructor after a student hits the submit button. Since the system does not grade each step of students' work, it is important that students write down their solving steps clearly on a HW notebook in order to identify the mistakes made.

**Classwork/Quizzes:** Classwork will be given regularly in the form of group work or individual work. Active learning is very effective, especially in a Math class. Quizzes will also be given to get you ready for upcoming exams. These will be announced and usually include 3 to 5 questions.

**Final Exam:** The final exam is cumulative. You are required to take the final exam to pass the class.

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

**Calculators:** Scientific (not graphing) calculators are required. Any kind will do the job. Cell phones or IPods will not be allowed to use as a calculator.

**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.

**Getting Help:**

- Use available free tutoring at the STEM Center located in CMS 121.
- Use online tutorials available at the website lamc.mylabsplus.com under Multimedia Library. These include: Video lectures, animations, and chapter test prep videos.
- See me during my office hours or make an appointment.
- Use video solutions of selected problems that I will post on our website: http://lamission.edu/~mkrtcht.
- **Get help before it's too late.** Do not get behind. It will be much harder later.

**Grading:** Final grades will be based on:
▪ Final exam – 30%
▪ Best 4 out of 5 Exams – 54%
▪ Online Assignments – 8%
▪ Classwork/Quizzes – 8%

Your grade in the course is determined according to the following scale:
A: 90-100% B: 80-89% C: 70-79% D: 60-69% F: 59% and below

**Special Services:** Students with disabilities, whether physical, learning, or psychological, who believe that they may need accommodations in this class, are encouraged to contact Disabled Students Programs & Services (DSPS) as soon as possible to ensure that such accommodations are implemented in a timely fashion. Authorization, based on verification of disability, is required before any accommodation can be made. The phone number for Special Services is (818) 364-7732 or (818) 364-7620 and they are located in the Instructional Building room 1018. DSPS website: http://www.lamission.edu/dsps

**Class repetition:** Students are limited to three attempts at passing a course with a "C" or better. Any letter grade or "W" counts as an attempt. And this rule is retroactive. This means for example that if a student got a "W" and a "D" in Math 125 two years ago, he has one more chance to pass before he is prevented from enrolling in Math 125.

*(See the next page for the tentative schedule)*

## Math 125 Tentative Schedule

| Wk | Date | Monday | Wednesday | Notes |
|---|---|---|---|---|
| 1 | Feb 10/ Feb 12 | Ch 3 Review + 3.7 | Ch 4 | |
| 2 | Feb 17/ Feb 19 | ***President's Day (no class)*** | Ch 5 | |
| 3 | Feb 24/ Feb 26 | Ch 5 ,<br>*Ch 3-5 Exam Review* | **Exam 1 (Ch. 3-5),**<br>Ch 6 | |
| 4 | Mar 3 / Mar 5 | Ch 6 Review + 6.6 | Ch 7 Review + 7.4 | |
| 5 | Mar 10 / Mar 12 | *Ch 6-7 Review* | **Exam 2 (Ch. 6-7),**<br>Ch 8 | |
| 6 | Mar 17 / Mar 19 | Ch 8 + 8.2 (Rational Exponents) | 8.7 (Complex Numbers) ,<br>9.1,9.2 | |
| 7 | Mar 24 / Mar 26 | 9.3 – 9.5 | 9.6, *Ch 8-9 Exam Review* | |
| 8 | Mar 31 / Apr 2 | ***Cesar Chavezs Day (no class)*** | **Exam 3 (Ch. 8-9)** | |
| 9 | Apr 7 / Apr 9 | ***Spring Break*** | ***Spring Break*** | |
| 10 | Apr 14 / Apr 16 | 10.1,10,2 | 10.3, 10.4 | |
| 11 | Apr 21 / Apr 23 | 11.1,11.2 | 11.3,11.4 | |
| 12 | Apr 28 / Apr 30 | *Ch 10-11 Exam Review* | **Exam 4 (Ch. 10-11),** 12.1 | |
| 13 | May 5 / May 7 | 12.2, 12.3 | 12.4, 12.5 | |
| 14 | May 12 / May 14 | 12.6, 12.7 | 12.8, 13.1 | |
| 15 | May 19 / May 21 | 13.2, 13.3 | 13.4, *Ch 12&13 Exam Review* | |
| 16 | May 26 / May 28 | ***Memorial Day (no class)*** | **Exam 5 (Ch. 12-13)** | |
| 17 | June 2 / June 4 | **Final Review** | *No Class* | |
| 18 | June 9 / June 11 | **Final Exam**<br>**8:00 – 10:00 PM** | *No Class* | |