Course: Math 125, Intermediate Algebra, Section: 0360
Time: T Th: 12:25 – 14:55 Room: Bung 9

Textbook: Intermediate Algebra, 9th Edition, by J. Kaufmann and K. Schwitters.

Prerequisite: Math 115 with a grade of "C" or better**,** or appropriate skill level demonstrated through the Mathematics assessment processes.

Instructor: Dr. Nikolas Antoniou
Office Hours: T Th: 11:50 - 12:20 Location: Instructional Building #42
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Web Site: *http://lamc-m125-nda.pbworks.com*

Important Dates:

- Tuesday, 08/28 Class begins
- Friday, 09/07 Last Day to Add a Class
- Friday, 09/07 Last Day to Drop without a "W" (In Person)
- Sunday, 09/09 Last Day to Drop without a "W" (Online)
- Friday, 11/16 Last Day to Drop with a "W" (In Person)
- Sunday 11/18 Last Day to Drop with a "W" (Online)
- Thursday, 11/22 No Class, Thanksgiving
- Thursday 12/06 Last Day of Class
- Tuesday 12/11 FINAL exam: 12:30 pm –2:30 pm

Student Learning Outcomes:

Upon completion of this course, the student should be able to:
1. Solve, graph, and analyze various equations or systems of equations and inequalities.
2. Interpret, graph and analyze various functions.

Course Description:
The course will cover topics of Intermediate Algebra that include fundamental laws of exponents, radicals, equations (linear, quadratic, and some of higher degree), systems of equations and inequalities (linear and quadratic), conics, complex numbers, functions, logarithms and binomial theorem. The following chapters from the book will be covered:

- Chapter 1 - Basic Concepts and properties: 1.1 - 1.4
- Chapter 2 - Equations, Inequalities, and Problem Solving: 2.1 - 2.7
- Chapter 3 - Polynomials: 3.1 - 3.7
- Chapter 4 - Rational Expressions: 4.1 - 4.7
- Chapter 5 - Exponents and Radicals: 5.1 - 5.7
- Chapter 6 - Quadratic Equations and Inequalities: 6.1 - 6.6
- Chapter 7 - Linear Equations and Inequalities in Two Variables: 7.1 - 7.5
- Chapter 8 - Conic Sections: 8.1 - 8.4
- Chapter 9 - Functions: 9.1 - 9.6
- Chapter 10 - Systems of Equations: 10.1 - 10.5, 10.8
- Chapter 11 - Exponential and logarithmic functions: 11.1 - 11.5

Web Site: ***http://lamc-m125-nda.pbworks.com***: Userid: _____ Password: _____ This web site contains all course material, notes, announcements, solutions to quizzes/tests, and your progress reports. It is highly recommended that you visit this site often and particularly before you start studying.

Calculators: The use of a scientific calculator will be allowed both in class and during the tests. However, you may not use a graphing calculator.

Homework: Students are responsible to complete the assigned homework as each section is completed. Homework will be collected on the dates of the tests and it will include the material covered by the test. Review of the assigned homework will take place at the beginning of every session. Students are encouraged to do all the assigned homework. It will help develop the skills and knowledge necessary for the exams.

Tutoring: Free tutoring is available at the Math Center at CMS 121 or at LRC.

Read the textbook: The textbook provides a very good level of mathematical rigor. Read the text carefully and pay particular attention to the examples and illustrations. They are well-structured and they demonstrate the underlining concepts and theories with sufficient details to help you solve the exercises at the end of each section.
You will gain a lot more from the lectures if you have read the applicable sections of the book ahead of time. Moreover, the lectures are designed as a supplement to and not as an alternative to the textbook. Students are expected to master all topics in the textbook that are part of the syllabus regardless of whether they are mentioned in the lecture, unless otherwise indicated.

Students with Disabilities: Students with a verified disability who may need authorized accommodation(s) for this class are encouraged to notify the instructor and the Office of Special Services or Disabled Students as soon as possible, and least two weeks before any exam or quiz. All information will remain confidential.

Classroom Rules:

Student Conduct: Students are expected to adhere to all school policies, and to abide by the standards of student conduct 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.

Attendance: Attendance is mandatory for all class meetings. You could be dropped after 3 absences. In addition, you are expected to be in class promptly and stay for the whole duration of the class session. Arriving to class late and leaving early is very disruptive to your peers; **two** tardiness or **two** early leaves will count as **one** absence! It is your responsibility to drop the class if you decide to quit attending. All students appearing on the grade roster at the end of the semester will receive a grade regardless of whether they had been attending classes or not. Thus, your failure to drop a class may result in a grade of “F”.

Cheating: Any student caught cheating will receive an automatic “F” for the test and/or the course.

Electronic Devices: The operation of electronic devices such as cell phones, IPods, MP3 players, PDAs, and the like is not allowed in the class. Students are expected to have such devices turned off while inside the classroom.

Food: No food of any kind is allowed inside the classroom.

Testing:

1. There will be six (6) tests of 100 points each, lasting approximately 60 minutes. The lowest grade of these 6 tests will be dropped.
2. Each complete homework turned in on the date of the test will earn 1 point per chapter. No late homework will be accepted. Homework should be complete showing all steps, the exercises clearly numbered, the writing legible, all pages stapled together, and your name on the first page.
3. There will be a **comprehensive, 2- hour,** final examination of 100 points, covering all the material of the semester.
4. There will be **no make-ups** for any of the exams, including the final. Students are expected to take all exams. Missing exams will receive a grade of zero.

Grading:

Contributions to the Final Grade

Homework 11%
Tests (5 x 12%) 60%
Final Exam 29%

TOTAL 100%

Grade Assignments		
	90 - 100%	A
	80 - 89%	B
	70 - 79%	C
	60 - 69%	D
	Below 60%	F

<u>No Incomplete grades will be given.</u>

<u>NEW POLICY ON REPEATING A CLASS:</u> *A new state policy in effect as of Summer 2012 limits students to* ***<u>3 attempts per course</u>****. Receiving a grade or "W" for a course counts as an attempt,* ***regardless of when the course was taken****. Withdrawal by September 9, 2012 (avoiding a "W") will not count as an attempt*