Math 123B COURSE INFORMATION – Fall 2012
7:00-8:25pm; Lab: 8:25-9:20 pm MW in CMS 120
Section #3229

Instructor: Dr. Albert Hemenway
E-mail: hemenwla@lamission.edu
Phone: 364–7600 x 4256
Website: www.lamission.edu/~hemenwla
Office Hours: MW 6:30 – 6:55 p.m. in CMS 120
Course ID for use with <u>MyMathLab</u>: **hemenway96623**

Prerequisites: Math 123A with a grade of C or better, or appropriate skill level demonstrated through the mathematics assessment process.

Textbook: *Beginning & Intermediate Algebra*, 4th Ed, by Elayn Martin-Gay. Students new to the Math 123ABC sequence may purchase MyMathLab access code only since MyMathLab contains the full *eBook* in the program. The access code may be purchased on-line the first night of class by credit card ($85.80). Students who purchased the access code for Math 123A, will use the same user name and password. The same software will also be used for Math 123C.

Course Objective: Factor polynomials using a variety of techniques; solve equations and word problems using factoring; manipulate and simplify algebraic fractions using the basic operations of addition, subtraction, multiplication and division; solve equations containing algebraic fractions; graph equations in two variables; determine equations of lines; solve systems of equations; determine roots; simplify, add, subtract, multiply and divide radicals; solve equations containing radicals; solve quadratic equations using completing the square and the quadratic formula; define and analyze linear functions.

Student Learning Outcomes: Upon completion of this course, the student will be able to:
1. Apply the appropriate strategy to simplify algebraic expressions.
2. Solve equations (linear, quadratic, rational and radical equations) and systems including application problems.

Class Organization: The lecture and the lab will follow the attached course schedule as closely as possible. Math 123B is a traditional lecture based course combined with computer aided instruction. Students are required to maintain a notebook. In order to pass Math 123B, students must attend both the class lecture <u>and</u> the lab per class meeting. During the lab hour, students work on MyMathLab independently in the computer lab in the classroom. The instructor is available to handle individual questions, offer mini-lecturers, and establish a collaborative learning environment.

Homework and Lab Assignments through <u>MyMathLab</u>:
- Students enrolled in Math 123B are required to have access to MyMathLab (MyLab/Mastering), an online computer program, and enroll in my section with course ID **hemenway96623** to complete the required homework and lab assignments. Students need to have easy access to a computer with Internet access either at home or at a local library, and a working email address. The access code for MyMathLab may be purchased separately or packaged with a new textbook sold in the LA Mission College bookstore. Textbooks purchased online or at other bookstores may not include the access code for MyMathLab. For students who have not used MyMathLab before, assistance in registering/purchasing the access code and using the software will be available the first night of class.

- All homework and lab assignments will be given through MyMathLab. Students should work on their lab assignments during the lab hour and are required to complete their lab assignments before the end of the lab hour or the stated due date shown online. Students should work on their homework at home as each section is completed in class and is due before the next Monday class. Since MyMathLab does not grade each step of the students' work, it is important that students write down their solving steps clearly in their notebook to help them identify any mistakes made. All MyMathLab scores will be automatically transferred to the instructor after a student hits the <u>save</u> button. The instructor may require students to turn in all written work per assignment to support answers submitted through MyMathLab. Points may be deducted for the lab assignments if work was not shown in a clear and organized manner.

- **No late homework and lab assignment will be accepted**.

Tutoring: If you have questions or you would just like to get more help, free tutoring is available in the **Math Center** located in CMS121 (in the new building). MyMathLab online tutorials can be accessed in the Math Center computers or any other computer with Internet access. Also, video lectures for each chapter of the textbook are accessible through MyMathLab under Multimedia Library on the left column and selecting Section Video Lecture.

Attendance: REGULAR AND PUNCTUAL ATTENDANCE is expected! Coming to class late or leaving early is disruptive, discourteous, and not acceptable. If you want to succeed in this course, you cannot afford to miss class. Unlike many 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. You could be dropped after 4 absences but it is your responsibility as a student to drop a class if you decide to stop attending class.

Withdrawals: If you stop attending the class (or wish to drop a class) on or before November 18th, 2012, you must drop the class yourself – officially – by Internet or through the Office of Admissions and Records. Failure to do so may result in a grade of "F" in the class. Please take note of important dates noted below and in the timeline. The procedures for dropping classes are detailed on page 48 of the Fall 2012, Schedule of Classes.

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 115 two years ago, he has one more chance to pass before he is prevented from enrolling in Math 115.

Disabled Students: Students with a verified disability who may need authorized accommodation(s) for this class are encouraged to notify the instructor and the Office of Disabled Students Programs and Services (DSPS) in Inst 1018 as soon as possible, at least two weeks before any exam or quiz. All information will remain confidential.

Cheating: Any form of academic dishonesty will not be tolerated. Any work that is not the student's or that the student has allowed others to copy will receive an automatic "F" for the assignment or the course.

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.

Cell Phones: Please turn off your phones before coming to class as a courtesy to the instructor and your fellow students. Class time is for learning mathematics, not for personal or business calls or texting.

Important Dates:

Last day to add classes: Sept 7	Last day to drop (on line) <u>without</u> a "W": Sept 9
Final Exam: Monday, Dec 10, 8:00 to 10:00 p.m.	Last day to drop (on line) <u>with</u> a "W": Nov 18

Testing and Grading Policies: Tests are paper and pencil format, and are taken in class on the scheduled date. All work must be shown for credit. Questions on the tests and final exam are based on assigned homework and lab assignments including the practice tests. There will be no make-ups for missed tests and/or the final exam. If the final examination score is higher than the lowest score of all tests, its percentage score will be used to replace the lowest test score. The final exam is comprehensive.

Grade Calculation: Grade Cutoff:

Homework, Lab and Practice Tests	23%		90% to 100%	A
Tests (5)	54%		80% to 89%	B
Final	23%		70% to 79%	C
			60% to 69%	D
			Below 60%	F

Homework (33 @ 3 pts each)	99 points	815 – 906	A
Lab Assignments (36 @ 2 pts each)	72 points	725 – 814	B
Practice Tests (7 @ 5 pts each)	35 points	634 – 724	C
Tests (5 @ 100 pts each)	500 points	544 – 633	D
<u>Final (1 @ 200 pts)</u>	<u>200 points</u>	Below 544	F
Total Possible Points =	906 points		

Math 123B Tentative Lab and Homework Schedule

Wk	Dt	Class Work	Monday Lab Due during lab hour	Monday HW Due before next Mon class	Dt	Class Work	Wednesday Lab Due during lab hour	Wednesday HW Due before next Mon class
1	Aug 27	*Ch2 Solving Equations(1-3)	Intro to MyMathLab; *Ch 2 Lab Solving Equations	*Ch 2 HW Solving Equations	Aug 29	*Ch5 Expon & Polynom (1-6)	Intro to MyMathLab; *Ch 5 Lab Exp & Poly	*Ch 5 HW Exp & Poly
2	Sep 03	**Labor Day**	**Labor Day**	**Labor Day**	Sep 05	6.1, 6.2 & 6.3 LDTDwoW	Lab 6.1, 6.2 & 6.3 GCF & Trinomials	HW 6.1, 6.2 & 6.3
3	Sep 10	6.5 & 6.6 Skip 6.4 & 6.7	Lab 6.5 & 6.6 Binomials & Solv Quadratics	HW 6.5 & 6.6	Sep 12	Ch 6 Practice Test	Ch 6 Practice Test	Ch 6 Practice Test
4	Sep 17	**Ch 6 Test** & 7.1	Lab 7.1 Simplifying Rationals	HW 7.1	Sep 19	7.2 & 7.3	Lab 7.2 & 7.3 x, ÷, +, - Rationals	HW 7.2 & 7.3
5	Sep 24	7.4 & 7.5 (obj 1)	Lab 7.4 & 7.5 Unlike Denom, Solving	HW 7.4 & 7.5	Sep 26	7.5 (obj 2), 7.6 Prop & 7.7	Lab 7.5 (obj 2), 7.6 & 7.7 Proportion, Complex Fract	HW 7.5 (obj 2), 7.6 & 7.7
6	Oct 01	7.6 Word prob	Lab 7.6 Word Problems, Pract Test	HW 7.6	Oct 03	*Ch 2 Problem Solving (4-7)	*Ch 2 Lab Solving Word Problems & Ch 7 PT	*Ch 2 HW Prob Solv & Ch 7 Practice Test
7	Oct 08	**Ch 7 Test** & 4.1	Lab 4.1 Sys of Equations - Graph	HW 4.1	Oct 10	4.2 & 4.3	Lab 4.2 & 4.3 Substitution, Elimination	HW 4.2 & 4.3
8	Oct 15	4.4 & 4.5	Lab 4.4 & 4.5 3 variables, linear	HW 4.4 & 4.5	Oct 17	Ch 4 Practice Test	Ch 4 Word Problem Review & Ch 4 Practice Test	Ch 4 Practice Test
9	Oct 22	**Ch 4 Test** & 10.1	Lab 10.1 Radicals	HW 10.1	Oct 24	10.2 & 10.3	Lab 10.2 & 10.3 Rationals, Simplify	HW 10.2 & 10.3
10	Oct 29	10.4 & 10.5	Lab 10.4 & 10.5 +, -, x Radicals	HW 10.4 & 10.5	Oct 31	10.6 & 10.7	Lab 10.6 & 10.7 Rad eq, Complex Numb	HW 10.6 &10.7
11	Nov 05	Ch 10 Practice Test	Lab Ch 10 Radical&Rational Expressions Review	Ch 10 Practice Test	Nov 07	**Ch10 Test** & 11.1	Lab 11.1 Complete Square	HW 11.1
12	Nov 12	**Veteran's Day**	**Veteran's Day**	**Veteran's Day**	Nov 14	11.2 & 11.3 LDTD	Lab 11.2 & 11.3 Quad form, Solve eq	HW 11.2 & 11.3
13	Nov 19	11.3 & *3.1-3.4 Review	Lab 11.3 & *Lab 3.1 – 3.4	HW 11.3 & *HW 3.1 - 3.4	Nov 21	3.5 Review	Lab 3.5	HW 3.5
14	Nov 26	8.4	Lab 8.4 Variation	HW 8.4 First Final Pract Test (4,6,7)	Nov 28	Ch 11 Practice Test	Ch 11 Lab Quadratic Review & Practice Test	Ch 11 Practice Test
15	Dec 03	**Ch11&Bas Function Test**	**Ch11&Bas Function Test (11.1-11.3, 3.5 & 8.4)**	Prepare for Final	Dec 05	Final Practice Test	Second Final Practice Test (3,8,10,11)	Second Final Practice Test
16	Dec 10	**Final Exam**	**Final Exam (8:00 to 10:00 pm)**					* = Review: Earn Points, but not on test.

09/24/12   MML: hemenway96623   Course ID: 3229

Ch 2 word problems: consecutive integers, formulas, %, mixture, RTD, money
Ch 4 word problems: unknown numbers, prices, coins, RTD, mixture
Ch 7 word problems: proportion, number, work, RTD

Points		
HW	99
Labs	72
PT	35
Tests	500
Final	200
Total	906