MATH 112 – Pre-Algebra (3 Units) Fall 2013 Section 0322, MW, 7:15am-8:40am, CSB 206

Instructor	: Timothy Ferguson, MS, ASA
Email	: fergustj@lamission.edu
Office	: CSB 206 Voicemail: (818) 364-7600 x4849 (Not recommended)
Office Hours	: MTWTh 6:55-7:15, and by appt
Prerequisite	: Math 105 with a grade of "C" or better, or appropriate skill level demonstrated
1	through the Mathematics assessment process, or by permit.
Textbook:	Prealgebra (6th Ed), Elayn Martin-Gay (Prentice Hall), & MyMathLab access code
	We will cover: Chaps 1 to 10 (except 5.7, 8.5, 9.7. 10.4 is Optional).
Important Date	es: Last day to Add – Sept. 6
-	Last day to drop without a "W" – Sept. 8
	Last day to drop with a "W" $-$ Nov. 17
	Final Exam – Monday, Dec. 9, 7:30am-9:30am
	Holidays – Sept. 2. Nov. 11
Course	This course bridges the gap between arithmetic and algebra. Topics include
Description	a review of arithmetic and an introduction to fundamental algebraic
1	concepts. A scientific (not graphing) calculator is required for Ch 6-10.
Methodology	This course is taught in lecture format. To excel at College level, the student
	must prepare for class by reading upcoming textbook material before it is
	covered in class. Remember: Learning is not a spectator sport!
	Fundamentally, the responsibility to learn is yours and yours alone. I will
	help you all I can, but you must be prepared and ready to learn before you
	come to class. I will keep you informed as to what material is coming up.
	Please bring your textbook to class.
	It is very important that you keep up with the lectures and in-class tests.
	If you need more individual help, you should avail yourself of the math
	tutors in the Math Lab. Math Center, and my office hours, listed above.
Student	1 Perform operations and simplify numerical and algebraic expression
Learning	involving integer and rational numbers.
Outcomes	2 Write linear equations for word problems and solve
Homework	You are required to use MyMathLab at MyMathLab com The course ID is
110me work	FERGUSON80545 Instructions for registering are at lamission edu/math Select
	Math 105 under Course Resources then click on MyMathLab Student Registration
	Instructions. The deadline for completing the homework is the day and time of the
	applicable Midterm. NO LATE WORK WILL BE ACCEPTED. Failure to do
	the homework (that is, failure to practice/rehearse/prepare for tests) is a sure way to
	fail any College course. This syllabus is based on the expectation that the student
	will put in at least two hours of homework for every hour in class.
Midterms	Midterms are scheduled for after Chapters 1, 3, 5, 8, and 10. Midterms will
	usually be held the second class after the material is covered in class.
Final Exam	Monday, Dec. 9, 7:30am-9:30am. Comprehensive and Mandatory.
Grading	Homework (Online) = 8 Class Points (2 points each, throw out lowest 1)
	Midterms (5) = 60 Class Points (15 points each, throw out lowest 1)
	Final exam = 32 Class Points

	This schedule means that there will be an exam approximately every 2-3
	weeks. So keeping up with the class schedule is extremely important!
	Your final grade for this course will be determined in the following way:
	100 flass Deinte and shave A 80.80 flass Deinte D
	90 Class Points and above = A, 80-89 Class Points = B,
	70-79 Class Points = C, 55-69 Class Points =D, Below 55 Points = F
	NO Make-up exams will be given. NO EXCEPTIONS. If you need to
	contact me outside of class and office hours, email is preferred.
Attendance/	All students are expected to arrive on time and stay for the entire class. Late arrivals are
	disruptive to both the lecturer and students. Once you are seated do not leave the room as
Behavior	such comings and goings are disruptive. Students must turn off all pagers and cell phones
	while in class Students are encouraged to ask questions and make comments on the lecture
	material. This should be done in a courteous manner by raising one's hand and being
	recognized Side conversations between students that disrupt the flow of the lecture will not
	be tolerated as they are a distraction to other students. It is the student's responsibility to
	manage his or her academic workload. Should a student decide to stop attending class it is
	their responsibility to drop the class. All students appearing on the grade roster will receive
	a grade regardless of whether they are attending classes or not. Any student who misses 4
	a grade regardless of whether they are attending classes of hot. <u>Any student who misses 4</u>
	be dronned from the class. Any act of academic dishonesty or behavior that disrupts the
	<u>be uropped from the class.</u> Any act of academic distributions of behavior that distupts the class (a.g. the above mentioned personal conversations) will be handled according to
	LAMC policies. Absolutely no talking during evams . If you have a problem, ask me
	LAINE policies. Absolutely no taiking during exams . If you have a problem, ask me.
Student Info	It is the students' responsibility to know all LAMC Add and Drop dates and procedures
Student III0	It is the students responsibility to know an LANC Add and Diop dates and procedures,
	and to follow procedures by the deadlines. Also, please be aware of Financial Alu
	DSDS students should inform mo ASAD in order to make any applicable arrangements
	Example for bottled water, no food or drink in the algorroom
	Except for bottled water, no food of drink in the classroom.

Learning Outcomes

- 1) Find the prime factorization of a given number.
- 2) Evaluate expressions using order of operations.
- 3) Simplify expressions with exponents.
- 4) Solve equations with whole numbers and integers.
- 5) Combine like-terms.
- 6) Analyze word problems, translate into linear equations and solve.
- 7) Evaluate expressions with fractions and mixed numbers, including order of operations and complex fractions.
- 8) Evaluate expressions with decimals and square roots.
- 9) Analyze and graph linear equations.
- 10) Convert numbers to percents and evaluate applications such as discounts, interest, commissions, etc.
- 11) Solve ratios and proportions, translate and solve word problems thereof.
- 12) Calculate perimeters and areas of polygons
- 13) Distinguish between complementary and supplementary angles as well as acute, right, obtuse, and straight angles.

SPECIAL STUDENT ADVISEMENT:

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/she has one more chance to pass before he/she is prevented from enrolling in Math 115.

Additional Support material for this course includes: Software based tutorials, topic specific video presentations, and tutoring, available at the Math Center, and Math Lab in the Library. **Study groups are strongly encouraged.**

Syllabus F13-112MW Mission