

LAMC Spring 2008
Section #3080
MW 5:25- 6:50 PM
Bungalow 3

Instructor: L. Foster
Office Hrs: MW 4:50–5:25 PM (B3)
Crucial Messages: 818-364–7703
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Math 215: Principles of Mathematics I

Prerequisites: Math 125: Intermediate Algebra **And**
Math 121: Essentials of Plane Geometry (or equivalent).

Texts: Billstein, Libeskind, & Lott: *A Problem Solving Approach to Mathematics for Elementary School Teachers*, **Ninth Edition**
Handouts Packet 2006 (at bookstore)

Other Necessities: Scientific calculator and a documented Mathematics teaching aid or game (possible resources: the internet or educational bookstores).

Distractions: In order to encourage/promote a positive learning environment: only assistive electronic devices are permitted. All others must be turned off and put away.

Topics:

Ch 1	Tools for Problem-Solving	Ch 4	Integers & Number Theory
Ch 2	Sets, Whole Numbers & Functions	Ch 5	Rational Numbers as Fractions
Ch 3	Numeration Systems	Ch 6	Decimals, Percents, & Real Numbers

Learning Outcomes: Upon completion of this course, the student will be able to:

- 1) Define sets using different methods and evaluate set operations.
- 2) Create functions based on patterns and perform operations with functions.
- 3) Convert numbers into different numeration systems, such as Mayan, Roman, Babylonian, and Egyptian.
- 4) Demonstrate more than one algorithm for Arithmetical Operations.
- 5) Solve and demonstrate concepts of Number Theory such as prime numbers, Divisibility, GCF's and LCM's.
- 6) Express Rational numbers, percents and decimals as fractions.

Requirements:

Six Exams	60%
Final	25%
Homework/Quizzes/Group/Presentation	15%
Math Center Tutoring (at least 15 hours is worth bonus towards HW)	5%

Grades: A 90–100 B 80–89 C 70–79 D 60–69

Exam and Due Dates (excluding quizzes):

First Exam:	February 20	Fourth Exam:	April 9
Second Exam:	March 5	Fifth Exam:	April 23
Third Exam:	March 19	Sixth Exam:	May 14
Final Exam: (Note: different time)		May 28 @ 5:30–7:30 PM	

Other Important Dates for Semester:

Last Date to Drop w/o W:	March 3
Last Date to Drop with a W:	May 5

Final Note: This is a mathematics course!! Every student starts with an "A"! In order to keep that "A" you need to do the homework, attend class regularly, and take notes carefully. What looks easy on the board may not be so easy at home (without good notes). Your questions are not only welcome, they are strongly encouraged. Consider this: whenever you ask a question you do so on behalf of a number of students who also would like to know the answer! Please take advantage of the free tutoring and textbook video services provided in the Learning Assistance Center and Math Center on campus—definitely a privilege! Furthermore, the computer disc included with your textbook has been extremely helpful with comprehension and grades! Remember that College Policy is that a student can be dropped after missing three classes BUT it is your responsibility to drop the course if something unforeseen occurs. Homework will only be accepted promptly at the first of class. Make-up exams and quizzes will **not** be given, so make arrangements to attend regularly now!

[Mathematics](#)

[Prof. L. Foster](#)