

MATH 210 OUTLINE

CONCEPTS OF ELEMENTARY MATHEMATICS

TEXT: Mathematics for Elementary Teachers, 7th ed. Musser/Burger/Peterson.

Approved: APRIL 2006

Effective: FALL 2006

MATERIAL TO BE COVERED	SECTIONS FROM TEXT	TIME LINE
Introduction to problem solving process and strategies	1.1 - 1.2	4 Hours
Sets; whole numbers and numeration; set notation and set operations; tally; Egyptian, Roman Babylonian, Mayan and Hindu-Arabic numeration systems; relations and functions	2.1 - 2.4	6 Hours
Whole numbers: operations and properties	3.1 - 3.3	5 Hours
Whole number computation - Mental, electronic and written, operations in different bases	4.1 - 4.3	5 Hours
Number theory, primes, composites, divisibility rules, factors, GCF, LCM	5.1 - 5.2	4 Hours
Fractions, operations on fractions	6.1 - 6.3	5 Hours
Decimals, operations with decimals, ratio, proportion and percent, applications	7.1 - 7.4	6 Hours
Integers, operations on integers	8.1 - 8.2	4 Hours

*** One hour = 1 hour of face time. ****This outline allows for 3 1/2 hours of exams not including the final.

16 Week Term: 1 week = 2 hours 50 minutes (face time) 6 Week Term: 1 week = 7.5 hours (face time)

**** See reverse side for important Department Policy****

Submitted by: Edwards, Kim, Munro, Sholars.