DePaul University
School for New Learning

Spring 2005
Loop Campus

Course: LL 205 Quantitative Reasoning
Class Time: Thursday 6:00 P.M. – 9:00 P.M.
March 31, 2005 – June 9, 2005

Instructor: Andrew J. Kaim
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Competence:
L-6 Can use mathematical symbols, concepts, and methods to describe and solve problems

Course Description:
Today the abilities to interpret and reason with quantitative information - information that involves mathematical ideas or numbers - are essential for understanding modern issues that appear in the news everyday. The process of interpreting and reasoning with quantitative information is called quantitative reasoning. The ultimate purpose of this course is to help the student gain the skills of quantitative reasoning as it applies to issues in subsequent coursework, career, and daily life.

Specific Learning Outcomes:
1) Students will understand the symbolic system presented in algebraic equations so that indicated relationships have an attainable meaning.
2) Students will be able to perform algebraic operations including manipulating algebraic terms and equations.
3) Students will be able to translate word problems into equations, solve them, and relate the answer to the problem's original context.
4) Students will realize that quantitative reasoning has many applications in advertising, politics, and business.

Course Materials:
1) Textbook: Larson/Hostetler, Elementary Algebra 4th edition, Houghton Mifflin, ©2005.
2) Calculator: recommendation – TI-30 scientific calculator

Evaluation/Grading Guidelines:
A student's final quarter grade will be determined by several factors:
1) Attendance
2) Homework
3) Individual and small group quizzes
4) Examinations

Regular class attendance is mandatory. Frequent absence may adversely affect a student's grade.

Information about the Instructor:
I have been teaching in the School for New Learning for approximately 6 years. I have taught the predecessor of the quantitative reasoning course, practical algebra, approximately 12-15 quarters. Besides being an SNL instructor, I teach mathematics at the secondary school level. I have taught every high school mathematics course from Algebra through advanced placement Calculus. I understand and appreciate all types of mathematics students. I hold a BS in Mathematics from Loyola University Chicago and an MA in Mathematics Education from DePaul University.