

Course Number: Math 116

Course Name: Mathematics for the Liberal Arts

Prerequisite: MATH 104 with at least a "C" grade, or placement by COMPASS test

#### COURSE DESCRIPTION

A survey of modern mathematical topics relevant to everyday life, intended for students who are not majoring in the physical sciences. This course applies critical thinking and problem solving skills to topics such as elementary graph theory, the mathematics of voting and apportionment, and probability.

Not open to students with credit for Math 130, Math 148, or above.

#### GOALS OF COURSE

This course is designed for the Associate of Arts student who is not intending to take additional courses in mathematics. Students will work on developing skills in problem recognition, problem solving, and understanding the role that mathematics plays in society. Topics will be taught in a method that shows the relationship between mathematics and the other disciplines.

#### TEXTBOOK AND SPECIAL EQUIPMENT REQUIRED

Excursions in Modern Mathematics, 7<sup>th</sup> edition, Tannenbaum, Prentice-Hall, 2010