

MTH 105: Math in Society

Explores concepts and applications of logic rules, basic probability and statistics as well as personal finance models. Investigates problem solving techniques (algebraic and nonalgebraic) as well as some nontraditional mathematics topics such as social choice or discrete mathematics. Integrates technology where appropriate.

It's recommended that students take MTH courses in consecutive terms.

Math in Society is a rigorous mathematics course designed for students in Liberal Arts and Humanities majors. The course provides a solid foundation in quantitative reasoning, symbolic reasoning, and problem solving techniques needed to be a productive, contributing citizen in the 21st century.

Course Student Learning Outcomes

Upon completion of the course students should be able to:

- Use formulas and perform relevant calculations pertaining to personal finance in order to make informed financial decisions
- Make and interpret calculations and graphical displays of numerical data in order to perceive and infer patterns within data sets
- Calculate and interpret theoretical and empirical probabilities in support of making predictions and decisions in the presence of uncertainty
- Use logical reasoning to describe and critique arguments and recognize common logical fallacies
- Support conclusions using logical thought, reflection, explanation and justification
- Use appropriate representations to effectively communicate, orally and in writing, quantitative results and mathematical processes

Credits: 4

Prerequisites: [WR 115](#) [RD 115](#) [MTH 95](#) [MTH 98](#) Equivalent placement test scores also accepted. MTH 95 or MTH 98 accepted.

Program: [Mathematics](#)