

## MAT 430: Seminar in the History and Philosophy of Mathematics

This course emphasizes readings in the historical development perspectives of number systems, algebra, geometry, statistics, probability, calculus, discrete mathematics, and trigonometry featuring diverse cultures in ancient and modern writings. Students will make oral and written presentations to express mathematical understandings and ideas precisely and to demonstrate the interconnectedness among those ideas concerning mathematical thinking based upon the topics discussed in the readings; and the course gives attention to practices of problem solving and reasoning.

Credits: 3

Prerequisites: MAT 333 and MAT 335.

Program: **Mathematics**