

11008 Explorations in Modern Mathematics (3)

Knowledge

The student should discover mathematical ideas that affect everyday life by comparing various voting methods in mathematics of social choice and demonstrating an understanding of mathematical concepts appearing in nature and management science.

Comprehension

Should understand the notions of growth and symmetry. Should get acquainted with the mathematics of social choice and statistics.

Application

The main and most important application is to solve many different problems related to the subject.

Analysis

Should be able to analyze the odds, the chances and probabilities of events.

Synthesis

Should continue developing abstract thinking.

Evaluation

Should complete homeworks, pass midterm tests and a final exam.

Class Activities

To solve problems in class and discuss theorems.

Out of class Activities

To submit homework assignments.