

34001 Fundamental Concepts of Algebra (3)

Knowledge

The students should be able to solve algebra problems related to divisibility, equations, polynomials, complex numbers.

Comprehension

Should be able to solve quadratic equations and polynomial equations of larger degrees, apply induction, find greatest common divisors of polynomials, use congruencies for divisibility criteria.

Application

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

Analysis

Should be able to solve algebra problems on numbers and polynomials.

Synthesis

Should develop abstract thinking necessary for understanding algebraic concepts.

Evaluation

Should complete 10 homework, pass 2 midterm tests and a final exam.

Class Activities

To solve problems in class and discuss theorems.

Out of class Activities

To submit 10 homework assignments.