

**Course Title: Algebra**

**Course Type:** Minor

**Prerequisites:** None

**Broad Aims:** This course introduces students to the study of algebra.

**Detailed Objectives:** Students are encouraged to develop problem-solving skills and in particular, are introduced to functions and their properties.

**Summary of Syllabus:** Polynomials; The Factor and Remainder Theorems; Linear and Quadratic Equations; Rational Functions and their Graphs; Inequalities; Irrational Numbers; Complex Numbers; Logarithms.

**Number of hours tuition:** 9 hours

**Class Size:** 1-6

**Assessment:** – A weekly problem paper will be set.

**Recommended Text Books:** Handouts will be provided.