

ALGEBRAIC STRUCTURES (MAS)

MAS2103 LINEAR ALGEBRA (3.00 Credits)

A first course in linear algebra, emphasizing the algebra of matrices and vector spaces. Recommended for students majoring in mathematics or related areas. Recommendation of the Mathematics Department or at least a grade of "C" in each of the prerequisite courses is required.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in one of the following options:

- Option 1 - Prerequisite: MAC1114 (minimum grade: C) and MAC1140 (minimum grade: C)
- Option 2 - Prerequisite: MAC1147 (minimum grade: C)

MAS3301 ABSTRACT ALGEBRA WITH INTRODUCTORY NUMBER THEORY (3.00 Credits)

This course introduces students to the study of mathematical structures and their properties. Topics include introductory number theory, sets, operations, groups, rings, fields, and homomorphisms between these structures. Emphasis will be on theory and proof.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: MAC2311 (minimum grade: C) and MAD2104 (minimum grade: C) and MAS2103 (minimum grade: C)