

# COURSE DETAIL

## ALGEBRA I

**Country**

Canada

**Host Institution**

McGill University

**Program(s)**

McGill University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

102

**UCEAP Course Suffix****UCEAP Official Title**

ALGEBRA I

**UCEAP Transcript Title**

ALGEBRA I

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

This course offers a study of sets, functions, mappings, and relations; groups, subgroups, cyclic groups, and cosets; homomorphism and isomorphism; group actions on sets; methods of proof; complex numbers; divisibility theory for integers and modular arithmetic; divisibility theory for polynomials; rings, ideals, and quotient rings; and fields and construction of fields from polynomial rings.

**Language(s) of Instruction**

English

**Host Institution Course Number**

MATH 235

**Host Institution Course Title**

ALGEBRA I

**Host Institution Course Details****Host Institution Campus**

Science

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Mathematics and Statistics

**Course Last Reviewed**

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