

COURSE DETAIL

MATHEMATICAL LOGIC

Country

New Zealand

Host Institution

University of Auckland

Program(s)

University of Auckland

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

MATHEMATICAL LOGIC

UCEAP Transcript Title

MATHEMATICAL LOGIC

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Logic addresses the foundations of mathematical reasoning and models the process of mathematical proof by providing a setting and the rules of deduction. It builds a basic understanding of first order predicate logic, introduces model theory, and demonstrates how models of a first order system relate to mathematical structures. This course is recommended for anyone studying high-level computer science or mathematical logic.

Language(s) of Instruction

English

Host Institution Course Number

MATHS 315

Host Institution Course Title

MATHEMATICAL LOGIC

Host Institution Campus

Auckland

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

Mathematics

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