

COURSE DETAIL

NUMERICAL COMPUTATION

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

120

UCEAP Course Suffix**UCEAP Official Title**

NUMERICAL COMPUTATION

UCEAP Transcript Title

NUMERICAL COMPUTATN

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines the methods frequently used to find numerical solutions to problems that arise in applied mathematics. The topics covered include methods for solving linear and nonlinear algebraic equations, interpolation, differentiation, integration and the numerical solution of ordinary differential equations.

Language(s) of Instruction

English

Host Institution Course Number

MATHS 270

Host Institution Course Title

NUMERICAL COMPUTATION

Host Institution Course Details

<https://courseoutline.auckland.ac.nz/dco/course/MATHS/270/1255>

Host Institution Campus

Auckland

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

Course Last Reviewed

2025-2026

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