

COURSE DETAIL

MATHEMATICAL METHODS AND PARTIAL DIFFERENTIAL EQUATIONS

Country

Australia

Host Institution

University of New South Wales

Program(s)

University of New South Wales

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

121

UCEAP Course Suffix**UCEAP Official Title**

MATHEMATICAL METHODS AND PARTIAL DIFFERENTIAL EQUATIONS

UCEAP Transcript Title

MATH METHOD DIFF EQ

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines ways of solving the (usually partial) differential equations that arise in physical, biological, and engineering applications. Many of the methods covered, such as Fourier Transforms, also have applications beyond the solution of differential equations.

Language(s) of Instruction

English

Host Institution Course Number

MATH3121

Host Institution Course Title

MATHEMATICAL METHODS AND PARTIAL DIFFERENTIAL EQUATIONS

Host Institution Course Details

<https://www.handbook.unsw.edu.au/undergraduate/courses/2026/MATH3121>

Host Institution Campus

Sydney

Host Institution Faculty

Mathematics & Statistics

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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