

COURSE DETAIL

DIFFERENTIAL GEOMETRY (ADVANCED)

Country

Australia

Host Institution

University of Sydney

Program(s)

University of Sydney

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

140

UCEAP Course Suffix**UCEAP Official Title**

DIFFERENTIAL GEOMETRY (ADVANCED)

UCEAP Transcript Title

DIFF GEOMETRY ADVNC

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is an introduction to Differential Geometry, one of the core pillars of modern mathematics. Using ideas from calculus of several variables, it develops the mathematical theory of geometrical objects such as curves, surfaces and their higher-dimensional analogues.

Language(s) of Instruction

English

Host Institution Course Number

MATH3968

Host Institution Course Title

DIFFERENTIAL GEOMETRY (ADVANCED)

Host Institution Course Details

<https://www.sydney.edu.au/units/MATH3968>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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