

COURSE DETAIL

INFORMATION, CODES AND CIPHERS

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

134

UCEAP Course Suffix**UCEAP Official Title**

INFORMATION, CODES AND CIPHERS

UCEAP Transcript Title

INFO CODES & CIPHER

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines information theory, including error-correcting codes, data compression and cryptography. Each of these subtopics are enhanced by the application of entropy functions, and more sophisticated error-correcting codes are provided by way of brief introduction to number theory and finite fields.

Language(s) of Instruction

English

Host Institution Course Number

MATH3411

Host Institution Course Title

INFORMATION, CODES AND CIPHERS

Host Institution Course Details

Host Institution Campus

Sydney

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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