

COURSE DETAIL

ELECTRONICS FOR THE SCIENCES

Country

New Zealand

Host Institution

University of Otago

Program(s)

University of Otago

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics Electrical Engineering

UCEAP Course Number

145

UCEAP Course Suffix**UCEAP Official Title**

ELECTRONICS FOR THE SCIENCES

UCEAP Transcript Title

ELECTRONICS FOR SCI

UCEAP Quarter Units

7.00

UCEAP Semester Units

4.70

Course Description

This course introduces key concepts in analog and digital electronics. Topics include linear networks and filters, operational amplifiers, simple transistor circuits, logic gates, microcontrollers, and digital applications.

Language(s) of Instruction

English

Host Institution Course Number

PHSI245

Host Institution Course Title

ELECTRONICS FOR THE SCIENCES

Host Institution Course Details

<https://www.otago.ac.nz/courses/papers?papercode=PHSI245>

Host Institution Campus

Dunedin

Host Institution Faculty

Physics

Host Institution Degree

Host Institution Department

Course Last Reviewed

2026-2027

[Print](#)