

COURSE DETAIL

ELECTRONIC SYSTEM IMPLEMENTATION

Country

Australia

Host Institution

University of Melbourne

Program(s)

University of Melbourne

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

ELECTRONIC SYSTEM IMPLEMENTATION

UCEAP Transcript Title

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UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines a range of standard electrical and electronic devices, basic circuit construction methods and electrical measurement techniques. It covers operation and selection of electrical and electronic devices used in various electronic circuits; common electronic circuit realizations to meet the most commonly required signal processing and conditioning applications; programmable digital circuits and microprocessor programming; circuit design and simulation tools; printed circuit board layout, circuit assembly, and soldering techniques; test and Measurement equipment and methods; and managing design issues and requirements.

Language(s) of Instruction

English

Host Institution Course Number

ELEN30013

Host Institution Course Title

ELECTRONIC SYSTEM IMPLEMENTATION

Host Institution Course Details

<https://handbook.unimelb.edu.au/2022/subjects/elen30013>

Host Institution Campus

University of Melbourne

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2022-2023

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