

# COURSE DETAIL

## ELECTRICAL DEVICE MODELLING

**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**

131

**UCEAP Course Suffix****UCEAP Official Title**

ELECTRICAL DEVICE MODELLING

**UCEAP Transcript Title**

ELECTR DEVICE MODEL

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This subject examines the theoretical and practical tools required to understand, construct, validate and apply models of standard electrical and electronic devices. In particular, it looks at the theoretical and practical development of models for devices such as resistors, capacitors, inductors, transformers, motors, batteries, diodes, transistors, and transmission lines.

### Language(s) of Instruction

English

### Host Institution Course Number

ELEN30011

### Host Institution Course Title

ELECTRICAL DEVICE MODELLING

### Host Institution Course Details

<https://handbook.unimelb.edu.au/2022/subjects/elen30011>

### Host Institution Campus

University of Melbourne

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

### Course Last Reviewed

2022-2023

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