

COURSE DETAIL

INTRODUCTION TO POWER ELECTRONICS

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering

UCEAP Course Number

111

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO POWER ELECTRONICS

UCEAP Transcript Title

POWER ELECTRONICS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This upper-level course introduces the basics of power electronics through a flipped-learning approach that involves pre-class, in-class, and post-class activities. To solidify the concepts covered in the course, a number of problem sets, online simulation problems, and exams will be assigned to assess students' understanding. The primary goal of the course is for students to finish the semester with a clear understanding of how various power converters operate and how they relate to real applications.

Language(s) of Instruction

English

Host Institution Course Number

EE4010

Host Institution Course Title

INTRODUCTION TO POWER ELECTRONICS

Host Institution Course Details

https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=901%2024120&c...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Electrical Engineering

Course Last Reviewed

2022-2023

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