COURSE DETAIL

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 104
UCEAP Course Suffix
UCEAP Official Title POWER ELECTRONICS
UCEAP Transcript Title POWER ELECTRONICS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course introduces the basics of power electronics. It takes a flipped-learning approach that involves pre-class, in-class and post-class activities. Problem sets and online simulation problems are used to solidify the concepts covered in the course and exams are utilized to evaluate students' understanding. The primary goal of the course is 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
College of Electrical Engineering and Computer Science

Host Institution Degree

Host Institution Department
Department of Electrical Engineering

Course Last Reviewed
2023-2024

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