

# COURSE DETAIL

## INTRODUCTION TO SEMICONDUCTORS

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Graduate

**UCEAP Subject Area(s)**

Physics

**UCEAP Course Number**

205

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

INTRODUCTION TO SEMICONDUCTORS

**UCEAP Transcript Title**

INTRO SEMICONDUCTOR

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course unlocks the secrets of modern electronics. It explores semiconductor materials, quantum mechanics, and carrier transport, as well as the principles behind p-n junctions, transistors, and the devices that power today's technology.

## Language(s) of Instruction

English

## Host Institution Course Number

ApPhys7005

## Host Institution Course Title

INTRODUCTION TO SEMICONDUCTOR

## Host Institution Course Details

[https://nol.ntu.edu.tw/nol/coursesearch/print\\_table.php?course\\_id=245%20M0080&c...](https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=245%20M0080&c...)

## Host Institution Campus

## Host Institution Faculty

College of Science

## Host Institution Degree

## Host Institution Department

Graduate Institute of Physics

## Course Last Reviewed

2025-2026

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