

# COURSE DETAIL

## LAB RESEARCH PROJECT

**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**

186

**UCEAP Course Suffix**

A

**UCEAP Official Title**

LAB RESEARCH PROJECT

**UCEAP Transcript Title**

LAB RESEARCH

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

### **Course Description**

This lab conducts research into high speed DC/RF 2D materials, specifically graphene and MoS2. Skills taught include DC, RF, and optical measurements, layer structure design, TCAD simulation, photomask design, ADS circuit modeling, and band diagram simulation. Reading materials assigned every week along with discussion section and lab work.

### **Language(s) of Instruction**

Chinese

### **Host Institution Course Number**

EE4049

### **Host Institution Course Title**

SPECIAL PROJECT

### **Host Institution Course Details**

[http://nol.ntu.edu.tw/nol/coursesearch/print\\_table.php?course\\_id=901%2049550&cl...](http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=901%2049550&cl...)

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Electrical Engineering

### **Course Last Reviewed**

2022-2023

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