

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Electrical Engineering

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