

## COURSE DETAIL

### INTRODUCTION TO MICRO-ELECTRO-MECHANICAL SYSTEM TECHNOLOGY

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering Electrical Engineering

**UCEAP Course Number**

176

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

INTRODUCTION TO MICRO-ELECTRO-MECHANICAL SYSTEM TECHNOLOGY

**UCEAP Transcript Title**

MEMS TECHNOLOGY

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

### **Course Description**

The purpose of this course is to introduce Micro-Electro-Mechanical Systems to students with mechanical and electrical engineering background. Key topics include Basic IC board manufacturing process, basic MEMS development process, microsensors, microactuators, system energy supply, assembly and testing, current technology applications, and the industry's future.

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

Chinese

### **Host Institution Course Number**

TA10311708

### **Host Institution Course Title**

INTRODUCTION TO MICRO-ELECTRO-MECHANICAL SYSTEM TECHNOLOGY

### **Host Institution Course Details**

<https://courseap.itc.ntnu.edu.tw/acadmOpenCourse/SyllabusCtrl?year=110&term=1&c...>

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

### **Course Last Reviewed**

2022-2023

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