

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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