

COURSE DETAIL

MACHINE DESIGN THEORY

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

101

UCEAP Course Suffix**UCEAP Official Title**

MACHINE DESIGN THEORY

UCEAP Transcript Title

MACH DESIGN THRY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

The course aims to provide students with the skills and tools to design major machine components and analyze their safety factors. The course covers: stress, failure and strength; strain; materials; design for different types of loading; shafts, tolerance and fits; couplings; screws and fasteners; bearings; springs; gears; electronic motors and controls; and project.

Language(s) of Instruction

English

Host Institution Course Number

ME3004

Host Institution Course Title

MACHINE DESIGN THEORY

Host Institution Course Details

http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=502%2034210&cl...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

Course Last Reviewed

2022-2023

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