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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

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