COURSE DETAIL

CREATIVITY IN MACHINE DESIGN
Country Korea, South
Host Institution Korea University
Program(s) Korea University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Engineering
UCEAP Course Number 125
UCEAP Course Suffix
UCEAP Official Title CREATIVITY IN MACHINE DESIGN
UCEAP Transcript Title CREATV MACHINE DSGN
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course covers the fundamentals of mechanical design for devices and systems, including an examination of economic and manufacturing viability.

Students will learn various design approaches for real engineering problems and, through team and individual projects, will participate in an entire design process from a sketch to a performance test. At the end of the course a contest will be held as a performance test for designed products.

Topics include fostering creative mechanical design skills, fostering creative implementation skills of product design, collaboration and teamwork skills, concept design, 2D and 3D design, machining and manufacturing skills, and how to create an effective presentation.

Language(s) of Instruction
English

Host Institution Course Number
MECH300

Host Institution Course Title
CREATIVITY IN MACHINE DESIGN: CAPSTONE DESIGN (English)

Host Institution Course Details
https://infodepot.korea.ac.kr/lecture1/lecsubjectPlanView.jsp?year=2024&term=2R...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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