

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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