COURSE DETAIL

SOLID MECHANICS 2
Country Korea, South
Host Institution Korea University
Program(s) Korea University
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Engineering
UCEAP Course Number 86
UCEAP Course Suffix
UCEAP Official Title SOLID MECHANICS 2
UCEAP Transcript Title SOLID MECHANICS 2
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course covers the mechanics of rigid and deformable solids in equilibrium and is a continuation of the material introduced in Solid Mechanics 1. Students will learn how to apply fundamental physical considerations which govern the mechanics of solids in equilibrium to solve any engineering problems such as beam deflection, torsion, buckling etc. Topics include: Review from Solid Mechanics I; transverse shear; combined loading; stress transformation; strain transformation; deflection of beams and shafts; buckling of columns; energy methods.

Language(s) of Instruction
English

Host Institution Course Number
MECH236

Host Institution Course Title
SOLID MECHANICS Ⅱ(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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