

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 2

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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