

COURSE DETAIL

DYNAMICS

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

108

UCEAP Course Suffix**UCEAP Official Title**

DYNAMICS

UCEAP Transcript Title

DYNAMICS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course is an introduction to dynamics. Topics to be covered include kinematics/kinetics of particles, systems of particles, and rigid bodies, Rectilinear motion, Plane curvilinear motion, Relative motion in a plane, Linear impulse and momentum, Angular impulse and momentum, Rotation about a fixed axis, Relative velocity, Relative acceleration, Motion relative to rotating axes, Plane Kinetics of Rigid Bodies: Force, Mass, and Acceleration and Three-Dimensional Dynamics of Rigid Bodies: Kinematics.

Prerequisite: MEU2630 Mechanism Design

Language(s) of Instruction

English

Host Institution Course Number

MEU2650

Host Institution Course Title

DYNAMICS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mechanical Engineering

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