

## 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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