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 Course Details
http://ysweb.yonsei.ac.kr:8888/curri120601/curri_pop2.jsp?&hakno=MEU2650&bb=02&...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed
2021-2022

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