COURSE DETAIL

MECHANISM DESIGN
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 126
UCEAP Course Suffix
UCEAP Official Title MECHANISM DESIGN
UCEAP Transcript Title MECHANISM DESIGN
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description
Every moving mechanical system is composed of mechanism components, which are, for example, link, cam, and gear. In this course, students learn the skills to analyze the motion of such components. Students also learn how to synthesize mechanisms in order to make desired motions. Finally, students complete term projects so as to have hands-on experiences. Topics include kinematics fundamentals, position analysis, velocity analysis, acceleration analysis, cam design, gear trains, graphical linkage synthesis, and analytical linkage synthesis. Textbook: Robert L. Norton "KINEMATICS AND DYNAMICS OF MACHINERY" Assessment: Midterm exam (30%), Final exam (40%), Homework and project (20%), Participation (10%)

Language(s) of Instruction
English

Host Institution Course Number
MEU2630

Host Institution Course Title
MECHANISM DESIGN

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed

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