COURSE DETAIL

ZERO ENERGY COMMUNITY
Country Korea, South
Host Institution Korea University
Program(s) Korea University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Civil Engineering
UCEAP Course Number 108
UCEAP Course Suffix
UCEAP Official Title ZERO ENERGY COMMUNITY
UCEAP Transcript Title ZERO ENRGY COMMUNTY
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course provides the foundation for three key components of zero energy communities: buildings, mechanical systems, and renewable energy systems. The course covers fundamental topics in building physics such as psychrometrics, solar geometry, and heat transfer in buildings, which is the foundation for designing passive buildings. It also examines energy efficient mechanical systems and renewable energy systems, which is essential for the design of zero-energy communities.

Language(s) of Instruction
English

Host Institution Course Number
ACEE335

Host Institution Course Title
ZERO ENERGY COMMUNITY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Civil, Environmental and Architectural Engineering

Course Last Reviewed
2022-2023

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