COURSE DETAIL

THERMAL ENVIRONMENT OF BUILDINGS

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Architecture

UCEAP Course Number
104

UCEAP Course Suffix

UCEAP Official Title
THERMAL ENVIRONMENT OF BUILDINGS

UCEAP Transcript Title
THERMAL ENVRMNT BLD

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course introduces the basic theories, design, and evaluation techniques required in future architectural practice, focusing on thermal environmental factors.

The field of architectural environment refers to the technical area that deals with the physical performance of buildings, which must be considered throughout the process of producing architectural structures. The physical performance of a building depends on the spatial elements, thermal/light/sound environment factors, indoor air quality factors, and the architect's knowledge and experience related to the integration of these elements.

The course prepares students to create comfortable indoor environments, as well as to design environmentally friendly and energy-efficient buildings. This course covers architectural sustainability, environmental control and passive design in architecture, and the basic principles and performance evaluation methods for building environmental systems: heating, cooling, lighting, and energy.

Language(s) of Instruction
English

Host Institution Course Number
ARC3403

Host Institution Course Title
THERMAL ENVIRONMENT OF BUILDINGS

Host Institution Course Details
https://underwood1.yonsei.ac.k

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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