

# 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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