

# COURSE DETAIL

## ENERGY SYSTEMS IN BUILDINGS 1

**Country**

Ireland

**Host Institution**

University College Dublin

**Program(s)**

University College Dublin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Engineering

**UCEAP Course Number**

126

**UCEAP Course Suffix****UCEAP Official Title**

ENERGY SYSTEMS IN BUILDINGS 1

**UCEAP Transcript Title**

ENERGY SYS/BUILDNGS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course provides a comprehensive exploration of the principles and applications of building energy systems. The course is for students in engineering and architecture, focusing on the intersection of energy efficiency, electrical systems, and building design. Topics include building energy analysis, psychrometrics, steady state and seasonal analysis, electricity supply system, electrical services in buildings, lightning protection.

## Language(s) of Instruction

English

## Host Institution Course Number

MEEN30130

## Host Institution Course Title

ENERGY SYSTEMS IN BUILDINGS 1

## Host Institution Course Details

[https://hub.ucd.ie/usis/!W\\_HU\\_MENU.P\\_PUBLISH?p\\_tag=MODULE&MODULE=MEEN30130](https://hub.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=MEEN30130)

## Host Institution Campus

University College Dublin

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Engineering

## Course Last Reviewed

2023-2024

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