

COURSE DETAIL

BUILDING PHYSICS AND ENVIRONMENT

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Architecture

UCEAP Course Number

147

UCEAP Course Suffix**UCEAP Official Title**

BUILDING PHYSICS AND ENVIRONMENT

UCEAP Transcript Title

BUILDING PHYS & ENV

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course develops students' understanding of key building physics principals and the role they play in achieving satisfactory indoor environmental conditions. The course equips students with detailed knowledge of, and the ability to apply, the main scientific principles of heat and mass transfer, light and sound in the building engineering context. Students consider what is meant by indoor environmental quality and explore how the design of the building envelope and building systems can influence the internal environment and building energy use.

Language(s) of Instruction

English

Host Institution Course Number

BARC0002

Host Institution Course Title

BUILDING PHYSICS AND ENVIRONMENT

Host Institution Campus

University College London

Host Institution Faculty

Host Institution Degree

bachelors

Host Institution Department

Architecture

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