

COURSE DETAIL

BUILDING TECHNOLOGY 1 BUILDING PRINCIPLES

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Architecture

UCEAP Course Number

123

UCEAP Course Suffix**UCEAP Official Title**

BUILDING TECHNOLOGY 1 BUILDING PRINCIPLES

UCEAP Transcript Title

BUILDING TECHNOLOGY

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course addresses the elemental aspects of building and the fundamental principles of structure. It will present building structures in masonry, timber, concrete, steel, glass and composite and examine the constructional possibilities and limitations of the materials. Furthermore it will seek a broad based understanding of how material and constructional choices are determined by its physical site, program, culture, era and environment. The course presents the historical culture of building technology and how material, structural, construction and detail decisions influence the overall architectural project. It will be further demonstrated how the importance of well-articulated geometries and proper means of measurements in drawing and modeling are an essential and integral part of construction methods and processes. The course material will be presented through a series of lectures specific to a material and through analyses of relevant case studies. Assessment: 100% continuous coursework assessment

Language(s) of Instruction

English

Host Institution Course Number

ARCH2056

Host Institution Course Title

BUILDING TECHNOLOGY 1 BUILDING PRINCIPLES

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Architecture

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