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, glassand composite and examine the constructional possibilities and limitations of the sematerials. 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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Architecture

Course Last Reviewed

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