

AIAB Education Summit

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HKIA RAIA Registered Architect*

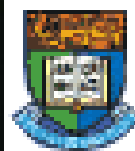
HKUSPACE

– Adjunct Lecturer

Community College

– Associate Professor

HKUSPACE Community College



HKUSPACE Community College
香港大學附屬學院

Courses	BIM – Revit Architecture	BIM – Revit Architecture (Advanced)
Targeted student and year	AEC industry Working Professionals	AEC Working Professionals in Management Level
Type of class	Short Course	Short Course
Credit	Certificate	Certificate
Duration	12 Classes x 3 = 36 hours	5 Classes x 3 = 15 hours
Teaching Expectation	Operational Level of Revit in AEC industry	Management Level of BIM Implementation
Course Since	2008	2012

HKUSPACE Course Outline

BIM – Revit Architecture	BIM – Revit Architecture (Advanced)
Introduction to BIM	Review of BIM Process Brief Introduction of Revit operations
Applications of BIM in building industry, implications in urban design and case studies	Organization Set up Project Team Setup Hardware/ Software/ Network Requirement
Co-ordination and Collaborations: Internal – Autodesk Cloud External Parties – Cloud Workset	Collaborations: Internal – Autodesk Cloud External Parties – Cloud
Revit modeling	Role of BIM Manager Role of Family Man
BIM in architectural design, communications and presentations	BIM Process in Government Submission
BIM in Hong Kong Government submission	Augmented Reality
Quantity taking and preparation of Bills of Quantity	Industry BIM involvement
Preparation of contract drawings	
Team implementation	
BIM in construction	
Family Building	

Chu Hai College of Higher Education

Faculty of Science and Engineering


Department of Architecture



珠海學院
CHU HAI COLLEGE
OF HIGHER EDUCATION

Courses	Building Technology II	Holistic Approach to Sustainability
Targeted student and year	Architectural Students Year 2-4 Bachelor of Architecture	Architectural Students Year 4-5 Bachelor of Architecture
Type of class	Elective	Elective
Credit	2 Credits	4 Credits
Duration	14 Classes x 1.5 hours (1 semester)	28 Classes x 1.5 hours (2 semesters)
Teaching Expectation	Application of BIM into Design works and understanding of how building comes together	Advanced application of BIM on Building Performance and associated
Course Since	2006	2012

ChuHai Course Outline

Building Technology	Holistic Approach to Sustainability
Introduction to BIM	Fundamental of Sustainability
Early Design Conceptual Design	Review of Development Control and Development potential
Revit Operations/ modelling	Project Vasari – Analytical approach
BIM in Construction of Wall/ Window/ Doors/ stair	Collaborations -Clash detection – reduce error and resources
BIM in Construction stair	Solar Control and Sun shading
Construction of Curtain Wall System	Wind control
Rendering and Material	Conceptual Design – building bulk
Revit Family Building	BIM and Sustainability
	HKBEAM / LEED
	Power and energy conservation - MEP
	Production of HKBEAM platinum project
	BIM in Pre-fabrication
	Green wall and Green roof
	 Autodesk Industry Advisory Board

Fitness Center Project in Tsim Sha Tsui



This building has a special running track. Some parts of running track go through inside of building and other parts go through outside. It divides two different users, one is a running track user and other one is not a running track user. As a result they are stayed in alternate situations they are in same space (inside) and in different space (inside and outside). These two different users stay in the same time but they have different speed of space, and also they can share their experiences when they stand on the mutual seen points.

Wall Style

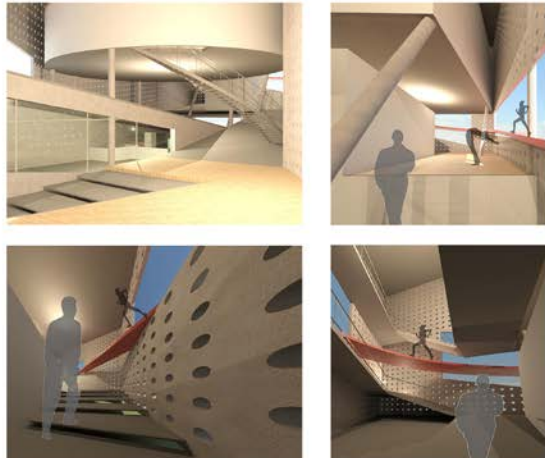


users can't see outside part of the running track.

Exterior Views



Interior Views



Site Analysis

address -
 east - small and older buildings,
 west - big and newer buildings,
 south - open view, underground level has a path
 is connected to MTR
 north - kowloon park, higher than our site level

inside of our site - bridge road, park

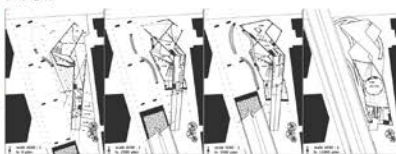
existed building condition - one floor building, market & restaurant



Elevations



Plan



Section View

