BICZ / BISZ
Building Information Modelling (BIM) Advanced Modelling Course (Structure) - Revit
建築信息模擬進階課程(結構) - Revit

Participants will learn how to: 1. Create and manage various structural components according to common BIM practice in Hong Kong; 2. To develop a suitable analytical model for further structural analysis and collaborations; 3. To learn how to produce drawing for BD submissions and to carry out collaboration internally and externally with other disciplines in BIM work flow.
學習如何：1.根據香港建築信息模擬常規，創造和管理各種結構組件；2.製作合適的分析模型進行結構分析和協作；3.學習如何製作屋宇署入則圖紙，並在建築信息模擬工作流程中與其他界別進行內部和外部協作。

	BICZ	**BISZ**
Lecturer 講師	Professionals 專業人士	
Medium of Instruction 授課語言	Cantonese 廣東話	
Mode of Attendance 授課形式	Part-time day course 日間部份時間制： 09:00-17:30	Part-time evening 夜間部份時間制： 19:00-22:00
Duration 授課期	7.5 hours x 4 sessions 7.5小時 x 4堂	3 hours x 10 sessions 3小時 x 10堂
Award of Certificate 證書頒發	1) Completion certificate - Attended 3.5 days or above, submitted course work and attained the passing requirements and passed the examination. 2) Certificate of attendance - Attended 3.5 days or above. 1) 結業證書 – 出席課程3.5天或以上，提交作業並達到要求及考試合格。 2) 出席證書 – 出席課程3.5天或以上。	1) Completion certificate - Attended 8 sessions or above, submitted course work and attained the passing requirements and passed the examination. 2) Certificate of attendance - Attended 8 sessions or above. 1) 結業證書 – 出席課程8堂或以上，提交作業並達到要求及考試合格。 2) 出席證書 – 出席課程8堂或以上。
Venue 上課地點	HKIC Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon 九龍 九龍灣大業街 44 號香港建造學院九龍灣院校	
Admission Requirements 入學條件	Basic knowledge* with hands-on experience in Revit is required; Minimum 2 years structural engineering experience is preferable. Good command of English is required. 必須具備基本的Revit知識*及操作經驗。不少於2年結構工程經驗更佳。需具有良好英語水平。 *Please refer to CIC BIM Basic Modelling Course – Revit for information 詳情請參閱建築信息模擬基礎課程	
Course Fee 課程費用	$3,020.00	
Enquiry 查詢課程	2100 9000 / 2100 9526	
Application Method 報名方法	Please apply online on SPDC portal 請透過建造專業進修院校的網上報名系統報名	

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Course Content 課程內容
Start Structural project by integrating project data • Link model with Copy and Monitor • Import and Export CAD DataSpace
Modelling on Structural discipline • Structural Wall • Column • Tapered Concrete Columns • Floor • Slabs on Composite Metal Deck • Precast Hollow Core Slabs • Structural Framing (Beams) • Cranked Beams • Beam System • Structural Foundation • Pile and Pile Caps • Isolated Foundation • Wall Foundation • Slab Foundation (Raft) • Trusses and Steel Connections • Steel Bracing • 3D reinforcement • Staircases and Ramp
Structural Analysis • Preparing Analytical Model • Loads and Load Combinations • Support (Fixed, Pinned, and Partial) • Creating Loading Schedules • Carry out structural analysis based on BIM model • BIM Model linked with common Structural Analysis programs in Hong Kong
Create / customize Families (Structural) • Systems Families • Component Families • In Place Families • Shared Project Parameters • Create a customize Column Family • Create a customize Beam Family
Drawing Production • From 3D to 2D Drawing productions • Prepare GA, Structural Plan, Sections, and R.C. views for BD submissions using Revit
Model Standard (Structural) • Understanding BIM Standards in Hong Kong • Level of Development for Structural Elements
Collaborate with team • Work sharing by using Workset • Copy and monitor Cross discipline model • Revision Tracking • Legend • Walk Through and Clash Detection by Naviswork • Cloud Collaboration using BIM 360