

B3DZ / B3EZ

Building Information Modelling (BIM) Advanced Modelling Course (Civil) – Civil 3D

建築信息模擬進階課程 (土木工程) – Civil 3D

The course aims at providing participants with advanced training to use Civil 3D as a civil engineering BIM solution.
本課程旨在提供進階培訓予參與者，以掌握使用Civil 3D作為土木工程建築信息模擬的解決方案。

	<u>B3DZ</u>	<u>B3EZ</u>
Lecturer 講師	Professionals 專業人士	
Medium of Instruction 授課語言	Cantonese supplemented with English technical terms 廣東話輔以英文技術用語 Only English version of the course materials and computer software is used for teaching in class 本課堂以英文版本的教材及電腦軟件教學 Only English versions of assignments and examination papers will be used for assessment in class. 本課堂採用英文版本習作及考試卷作評核	
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。
Re-Exam 補考	The course offers only one re-exam opportunity. The fee for the re-exam is HK\$100. 課程僅提供一次補考機會，補考費用為港幣\$100元	
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 Civil 3D is required; Minimum 2 years Civil engineering experience is preferable. Good command of English is required. 必須具備基本的Civil 3D知識*及操作經驗。不少於2年土木工程經驗更佳。需具有良好英語水平。 *Please refer to CIC BIM Basic Modelling Course – Civil 3D for information 詳情請參閱建築信息模擬基礎課程	
Course Fee 課程費用	\$3,280.00	
Enquiry 查詢課程	2100 9000 / 2100 9891	
Application Method 報名方法	<u>B3DZ</u> / <u>B3EZ</u> Please submit your online application through the course website. 請透過課程網站提交網上申請。	



建造專業
進修院校

SCHOOL OF
PROFESSIONAL
DEVELOPMENT IN
CONSTRUCTION



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Course Content 課程內容
Civil 3D Bridge Extension - Create Bridge Corridor - Generate Structural Elements
Grading - Creating and Editing Feature Lines - Grading Objects - Grading Volumes
Pipe Networks - Configuring Pipe Networks - Creating a Pipe Network from Objects - Laying Out a Pipe Network - Editing Pipe Networks - Interference Checking with Pipe Networks - Annotating Pipe Networks - Pipe Reporting
Pressure Pipe Networks - Configuring Pressure Pipe Networks - Creating A Pressure Pipe Network from Objects - Laying Out a Pressure Pipe Network - Editing Pressure Pipe Networks - Interference Checking with Pressure Pipe - Adding Pressure Pipe Networks to Different Views - Annotating Pressure Pipe Networks
Quantity Take-off - Section Volume Calculations - Earthwork Volumes - Material Volumes - Quantity Take-off - Mass Haul Diagrams
Creating Sheets - Creating Plan Sheets - Creating Cross Section Sheets - Sheet Sets Overview
Parcels - Creating Parcel from Objects - Row Parcels - Editing and Labelling Parcels - Parcel Tables and Reporting
Civil 3D Borehole Management - Data Management - Import Geotechnical Data - Asset Management - Strata Surfaces
Subassemblies Advance - Creating a subassembly - Importing a subassembly into AutoCAD Civil 3D - Editing a subassembly - Using Target Parameters in a Subassembly - Adding conditional Behaviour to a subassembly - Calculation parameter values
Parts Builder - Parametric Parts - Part Configuration - Modelling a part in part builder - Using work planes in Part Builder - Defining Geometry in Part Builder - Dimension in Parts Builder - Constraints in Part Builder - Creating Profiles in Part Builder