

Pearson BTEC Level 5 HND in Construction and the Built Environment (Surveying) (Distance Learning)

英國國家測量工程高級文憑

課程簡介

本課程為測量工程界別人士提供入門至中階測量學知識及測量工作技巧教授。學生可於畢業後銜接相關大學課程，及取得工作所須學歷。學生亦可加入英國皇家測量師學會(RICS)成為副會員 Associate Member。

課程特色

BTEC (Business & Technology Education Council) 是由英國最大的頒證機構組織 Pearson 培生集團認證。Pearson 作為世界上最成功及最受歡迎的應用學習品牌之一，BTEC 資歷證書已經幫助眾多學生提升實際工作技巧，人際交流及思考技能超過 30 多年。BTEC 課程亦重視雇主的需​​求，提供職業導向性的資格證書，協助於學生在職業發展或進入大學邁出第一步。

國際學歷 多元出路

BTEC 學歷由英國最大頒證機構 Edexcel 所認可，全球超過 120 個國家提供 BTEC 課程，多國大學及政府認受(部份國家須進行學術評審)，可作入讀大學，在職進入修以及移民的出發點。

靈活彈性化學習模式

以網上教學模式(Tutor Live) 教授，學生即使未能按時上課亦可日後重溫課堂錄影。課程以功課作評核，學校無須應付考試壓力，更適合在職人士業餘修讀。修讀時間也可因學生的目標而調整，更貼合學生不同時期的需要。

實用與理論並重

BTEC 課程結合理論及現實行業實際需要，令學生除了學習到知識外亦強化工作到所須要的技能。

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入學條件

DSE 畢業或中六學歷

中五學歷及三年工作經驗

中三學歷需通過入學面試

課程總覽

SPT01 Individual Project (Pearson-set)

SPT02 Construction Technology

SPT03 Science & Materials

SPT04 Construction Practice & Management

SPT05 Legal & Statutory Responsibilities in Construction

SPT11 Measurement & Estimating

SPT12 Financial Management & Business Practices in Construction

SPT13 Tender & Procurement

SPT22 Group Project

SPT23 Contracts & Management

SPT34 Advanced Quantities for Complex Building Projects

SPT35 Alternative Methods of Construction

SPT41 Surveying for Conservation, Renovation & Refurbishment

SPT44 Advanced Surveying & Measurement

SPT47 Construction Data Management

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課程內容

Unit 1 Individual Project (Pearson-set)

The aim of this unit is to support students in using and applying the knowledge and skills they have developed through other areas of their studies to complete and present an individual project. In addition, this unit will provide students with key study skills that will support them in further study.

Unit 2 Construction Technology

This unit will introduce the different technological concepts used to enable the construction of building elements; from substructure to completion, by understanding the different functional characteristics and design considerations to be borne in mind when selecting the most suitable technological solution.

Unit 3 Science & Materials

This unit aims to support students to make material choices to achieve the desired outcomes of a brief. This is approached from the perspective of materials being fit for purpose; as defined by testing standards and properties, but also by consideration of the environmental impact and sustainability. Awareness of Health & Safety is considered alongside the need to meet legislative requirements.

Unit 4 Construction Practice & Management

The unit compares and investigates small, medium and large construction companies within the market place and how construction processes, for development, have evolved.

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Unit 5 Legal & Statutory Responsibilities in Construction

This unit will introduce the different areas of law that are relevant to the construction industry throughout the development process. This includes applying for planning approval to undertake construction activities and using building control regulations to evaluate building design and alterations at the preconstruction stage. The unit will explore the laws of occupiers' liability, trespass and nuisance to manage construction activities on-site, and the legal aspects of the sale and leasing process involved in the disposal of buildings; using the law of contract and land law.

Unit 11 Measurement & Estimating

This unit will introduce students to the principles of the design and installation of heating systems for non-domestic buildings. Subjects included in this unit are: the design process, pre-design/design brief, the production of design data, thermal comfort, calculation of Li-values, heat loss calculation, total heating loads and heating plant capacity, heating media and distribution systems, system layouts, heat emitters, heat sources, heating system components, sizing and specification of heating system components, and commissioning, testing and handover procedures.

Unit 12 Financial Management & Business Practices in Construction

This unit introduces the concepts of business management and financial control. Students will examine a range of factors that influence the ways in which companies grow, raise finance and control their costs and resources.

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Unit 13 Tender & Procurement

The aim of this unit is to provide students with the knowledge to select a procurement route and an appropriate tendering method in the awarding of a project to a main contractor. Students will gain knowledge of how to prepare a tender package in procuring a contractor for a client's work. Many different procurement methods are available to achieve this: from open to closed systems.

Unit 22 Group Project

Through this collaborative project-based unit, students will explore how to define roles within a collaborative team, recognising the skills (and 'skills gaps') of each member of the group. Together students will work to develop a construction project; based on their research and analysis, in response to the Pearson-set 'theme'.

Unit 23 Contracts & Management

The overall aim of this unit is to provide students with a working knowledge of contracts, so they can manage a project team in accordance with the agreed terms and conditions of the contract. The principle person responsible for this is often the quantity surveyor and it is their responsibility to ensure compliance with the conditions of the contract.

Unit 34 Advanced Quantities for Complex Building Projects

This unit has been designed to enable students studying construction, civil engineering and building services engineering to apply, analyse and measure a range of components and elements found in large-scale buildings or structures, and to produce quantities within the function of a quantity surveyor.

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Unit 35 Alternative Methods of Construction

On successful completion of this unit students will have examined how the construction industry impacts on the environment; explored alternative construction methods which are fit for purpose; government policy implications and Health & Safety constraints associated with alternative construction methods; and designed a fit-for-purpose structure using an alternative construction method.

Unit 41 Surveying for Conservation, Renovation & Refurbishment

This unit will introduce students to the process, techniques and underpinning knowledge required to undertake a survey of a building. The unit will focus on surveying the condition of the fabric rather than a measured survey. However, where appropriate, consideration will be given to taking measurements to record the condition of the building. The unit will consider the different styles and methods of construction, how to analyse them and how they typically fail over time. The unit takes a practical approach, drawing on the initial learning and knowledge and applying it to surveying a property and producing a professional, detailed survey report for a variety of end users.

Unit 44 Advanced Surveying & Measurement

This unit explores the techniques used to assess the accuracy of GPS co-ordinates, the creation and use of a control network, and it also explores transfer points and the use of software and technology.

Unit 47 Construction Data Management

This unit will detail the processes required to effectively communicate the information required by the client, or asset owner, and how to ensure data is managed throughout a project with the relevant skills and requirements necessary to avoid duplication, error or missing information.

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課程資料

學費資料:

每科學費: HK \$3,000 (共 15 科)

BTEC 註冊費: HK \$3800

英文能力要求(IELTS 5.5)修讀時間約為一至兩年

*如沒有 IELTS 成績或英文能力未達到 IELTS5.5 的學生, 可選擇修讀 Journey2English online system, 學費 HK \$3,500 (包括一年 online English learning 和證書)

夜間授課(特別情況下會以網上授課形式上課)

上課時間: 晚上 7:00 至 10:00

教學語言: 粵語輔以英文講義

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報名及留位

請先填妥報名表, 然後以以下方式繳交費用

報名表: <https://drive.google.com/file/d/1M-g9CMk0OHPtN9CyuSMtu3VqPdJof24M/view?usp=sharing>

繳費方法

A. 銀行轉帳

恆生銀行/ 戶口名稱: Shinny Performance Training Group Limited

(024) 370-224-792001

中國銀行/ 戶口名稱: Lee Wai Yu

(012) 394-1-018-2295

B. 轉數快

電話號碼: 94643122 (匯豐銀行)

C. PayPal (信用卡)

請先聯絡職員以取得發票

D. 現金

E. 支票

抬頭: Shinny Performance Training Group Limited

繳費後請保留收據及報名表並電郵到

info@sptraining.org 或 Whatsapp 5112 8649/9317 3131。

傳送後只須等候職員確認及核對收據, 即完成報名手續。

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