

香港專業教育學院(摩理臣山/屯門分校)

建造工程系

課程名稱：水喉全科技工證書 (Craft Certificate in Plumbing & Pipefitting)

課程編號：53776 (日間部份時間給假調訓制)

55776 (夜間制)

修讀年期：三年

入學要求：修畢中三或同等學歷

成績評估：持續評估、期終考試

課程目的：本課程旨在給在職人士及學徒提供有關水喉全科之工藝理論及實習訓練

課程大綱：

單元名稱	單元編號	上課時數	單元值
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第一年：學期 1				
Pipe Work Installation	喉管安裝	CNC7451	30	2.0
Plumbing Mathematics	水喉數學	CNC7456	30	2.0
Plumbing Practice I (A)	水喉實習 I (A)	CNC7906	30	2.0
	分計		90	6.0

第一年：學期 2				
Potable & Flush Water Supplies	食水及沖廁供水	CNC7452	30	2.0
Plumbing Science	水喉科學	CNC7457	30	2.0
Plumbing Practice I (B)	水喉實習 I (B)	CNC7907	30	2.0
	分計		90	6.0

單元名稱	單元編號	上課時數	單元值
第二年：學期 1			
Hot Water Supply 熱水供水	CNC7453	30	2.0
Construction Drawing 建造繪圖	CNC7706	45	3.0
Plumbing Practice II (A) 水喉實習 II (A)	CNC7908	30	2.0
	分計	105	7.0

第二年：學期 2			
Drainage Systems 排水系統	CNC7454	30	2.0
Plumbing Drawing 水喉繪圖	CNC7458	30	2.0
Plumbing Practice II (B) 水喉實習 II (B)	CNC7909	30	2.0
	分計	90	6.0

第三年：學期 1			
Fire Services & Gas Installation 消防及氣體裝置	CNC7455	30	2.0
Building Construction 房屋建築	CNC7702	45	3.0
Plumbing Practice III (A) 水喉實習 III (A)	CNC7910	30	2.0
	分計	105	7.0

第三年：學期 2			
Plumbing Measurement 水喉工料量度	CNC7459	30	2.0
Introduction to Information Technology 資訊科技初階	CNC7705	30	2.0
Plumbing Practice III (B) 水喉實習 III (B)	CNC7911	30	2.0
	分計	90	6.0

總上課時數	570	
總單元值		38.0

學員如符合全部 18 單元之評核要求，可獲職業訓練局頒發水喉全科技工證書

課程內容

Hong Kong Institute of Vocational Education
Department of Construction
Exemption Criteria

Course: **PTE Higher Diploma in Building Studies (55903F)**

Module Code & Title	Approved Exemption Awards
Level-2	
CMV5151 Mathematics	CMV1151 Mathematics I HKALE Pure Mathematics TI Course: Mathematics II or above
CON1310 Construction Drawing	TI Course: Construction Drawing (30 hours) or equivalent PLUS TI Course: Structural Detailing (30 hours) or equivalent PLUS Computer Aided Drafting course (12 hours) or equivalent
BNM5460 Land Surveying I	GCE AL pass in "Surveying" plus proven experience in surveying practice CSE1460 Engineering Surveying I TI Course: Elementary Site Surveying (60 hours) TI Course: Site Surveying II (60 hours) TI Course: 0231 Certificate in Engineering Surveying IVE Course 55631: VC in Engineering Surveying
BNM3411 Principles of Building Construction	TI Course: Construction Technology II (60 hours) TI Course: Elementary Building Technology (60 hours) CON1320 Construction Technology I
CON3321 Elementary Science for Construction Technicians	HKCEE Physics or HKCEE Engineering Science or IVE FD (Technical stream) IVE FC (Technical Stream) IVE BCTT Basic Certificate for Technician Trainees
BNM3712 Principles of Measurement	BNM2701 Measurement II BNM5704 Quantity Surveying I TI Course: Elementary Quantity Surveying (60 hours) TI Course: 0237 Certificate in Building Measurement IVE Course 55637: VC in Building Measurement

BNM3625 Building Project Organization and Management	BMR4707 Introduction to Construction Management PLUS BMR5600 Building Project Organisation
BNM3931 Basic Industrial Training (140 hours)	BNM2930 Basic Industrial Training (Building Studies) plus BNM2940 Workshop Practice CSE1930 Basic Industrial Training (Civil & Structure) plus CSE2940 Workshop Practice CICTA 1-year full-time Technician Course
	<u>Recognition of Prior Learning (for part-time students only)</u> One year of working experience in the relevant field, subject to assessment
	<u>Partial Exemption Only:</u> CSE6942 Integrated Workshop and Safety Practice (60 hours)
Level-3	
BMR3713 Measurement of Building Works	BMR2701 Measurement II
BNM3196 Project	BNM2900 Project I PLUS BNM2901 Project 2
BNM3932 Safety and Industrial Training A	CICTA 1-year full-time Technician Course OR completion of equivalent practical training at IVE OR completion certificate of Technical Apprenticeship + 1 year working experience in the relevant field, subject to assessment PLUS Valid Safety Green Card
	<u>Recognition of Prior Learning (53303F and 55903F only)</u> Two years of working experience in the relevant field, subject to assessment PLUS Valid Safety Green Card

Graduation Requirement of SWPD Programme for Part-time HD Students

Intake Level	Exit Level	WPD modules required	Years of full-time work experience required for modular exemption
Level 2	Cert	WPD4052 WPD4082	1 year
	Diploma	WPD4052 WPD4082 WPD4063	1.5 year
	HD Award	WPD4052 WPD4082 WPD4063 WPD4074	2 years
Level 3	Diploma	WPD4082 WPD4063	1 year
	HD Award	WPD4082 WPD4063 WPD4074	1.5 year
Level 4	HD Award	WPD4074	1 year

(Updated: Sep 2013)

Hong Kong Institute of Vocational Education
 Department of Construction
 Exemption Criteria

Course: **PTE Higher Diploma in Surveying (55911F)**

Module Code & Title	Approved Exemption Awards
Level-2	
CMV5153 Mathematics for Surveying Technicians	CMV5151 Mathematics CMV1151 Mathematics I HKALE Pure Mathematics TI Course: Mathematics II or above
CON1310 Construction Drawing	TI Course: Construction Drawing (30 hours) or equivalent PLUS TI Course: Structural Detailing (30 hours) or equivalent PLUS Computer Aided Drafting course (12 hours) or equivalent
BNM5460 Land Surveying I	GCE AL pass in "Surveying" plus proven experience in surveying practice CSE1460 Engineering Surveying I TI Course: Elementary Site Surveying (60 hours) TI Course: Site Surveying II (60 hours) TI Course: 0231 Certificate in Engineering Surveying IVE Course 55631: VC in Engineering Surveying
BNM3411 Principles of Building Construction	TI Course: Construction Technology II (60 hours) TI Course: Elementary Building Technology (60 hours) CON1320 Construction Technology I
BNM3712 Principles of Measurement	BNM2701 Measurement II BNM5704 Quantity Surveying I TI Course: Elementary Quantity Surveying (60 hours) TI Course: 0237 Certificate in Building Measurement IVE Course 55637: VC in Building Measurement
BNM3625 Building Project Organization and Management	BMR4707 Introduction to Construction Management PLUS BMR5600 Building Project Organisation

BNM3931 Basic Industrial Training (140 hours)	BNM2930 Basic Industrial Training (Building Studies) plus BNM2940 Workshop Practice
	CSE1930 Basic Industrial Training (Civil & Structure) plus CSE2940 Workshop Practice
	CICTA 1-year full-time Technician Course
	<u>Recognition of Prior Learning (for part-time students only)</u>
	One year of working experience in the relevant field, subject to assessment
	<u>Partial Exemption Only:</u>
	CSE6942 Integrated Workshop and Safety Practice (60 hours)
Level-3	
MMI2201/BNM2201 Building Services II	MMI4202 Building Services for Quantity Surveying
BMR3713 Measurement of Building Works	BNM4701 Measurement Practice I
BNM3717 Building Cost Estimating	BNM4704 Tendering and Estimating PLUS BNM4705 Building Cost Studies
BNM3665 Building Inspection and Maintenance I	BMR3412 Building Defects and Remedy BNM3433 Building Defects and Maintenance
BNM3933 Safety and Industrial Training	CICTA 1-year full-time Technician Course OR completion of equivalent practical training at IVE OR completion certificate of Technical Apprenticeship PLUS Valid Safety Green Card
	<u>Recognition of Prior Learning (for part-time students only)</u>
	Two years of working experience in the relevant field, subject to assessment PLUS Valid Safety Green Card

Level-4	
BNM3681 Economics and Property Investment	BMR3679 Construction Economics PLUS BNM3678 Property Investment and Finance
BNM3640 Tender and Contracts	BNM2631 Law and Contractual Procedures PLUS BNM4704 Tendering and Estimating

Graduation Requirement of SWPD Programme for Part-time HD Students

Intake Level	Exit Level	WPD modules required	Years of full-time work experience required for modular exemption
Level 2	Cert	WPD4052 WPD4082	1 year
	Diploma	WPD4052 WPD4082 WPD4063	1.5 year
	HD Award	WPD4052 WPD4082 WPD4063 WPD4074	2 years
Level 3	Diploma	WPD4082 WPD4063	1 year
	HD Award	WPD4082 WPD4063 WPD4074	1.5 year
Level 4	HD Award	WPD4074	1 year

(Updated: Sep 2013)

55903F PTE MEME HD in Building Studies

Level	Module Code	Module (curriculum hours)	Shortest Route - Semester (Level 2 Entry)
Level 2	LAN1501	English & Comm for CN IA (30)	1
	BMR3411	Principles of Bldg Construction (45)	1
	CNR1300	Construction Materials (45)	1
	CMV5151	Mathematics (30)	1
	CNR1310	Construction Drawing (45)	2
	CON3321	Elementary Science for CN Technicians (45)	2
	LAN1502	English & Comm for CN IB (30)	2
	BNM5460	Land Surveying I (30)	2
	BNM3625	Bldg Project Org & Mgmt (45)	3
	CMV1152	Introduction to Computing A (45)	3
	BMR3712	Principles of Measurement (45)	3
	BNM5200	Building Services I (30)	4
	BNM3931	Basic Industrial Training (140)	Exempt ¹
WPD4082	WPD on Healthy Lifestyle (15)	Exempt ¹	
WPD4052	WPD on Teamwork & Communication (30)	Exempt ¹	
Level 3	BMR2601	Building Site Management (45)	4
	BMR2540	Computer Aided Drafting (45)	4
	BNM3153	IT Application in Construction (30)	4
	BMR5403	Building Technology I (45)	5
	BNM3664	Bldg Regs & Codes of Practices (45)	5
	LAN2501	English & Comm for Const IIA (30)	5
	BNM3626	Quality, Env and Safety Mgmt (30)	5
	BMR3713	Measurement of Building Works (45)	6
	BNM2201	Building Services II (45)	6
	BMR2420	Construction Science A (45)	6
	BNM3196	Project (45)	7
	LAN3591	Putonghua for Construction Technicians (30)	7
	BNM3932	Safety & Industrial Training A (161)	Exempt ¹
WPD4063	WPD on Self Confidence & Career Deve (15)	Exempt ¹	
Level 4	BMR4404	Building Technology II (45)	7
	LAN2503	English & Comm for Const IIB (30)	7
	BNM3623	Const Industry in Mainland China (30)	8
	BNM3434	Structural Mechanics (45)	8
	BMR2631	Law and Contract Procedures (45)	8
	BNM3467	GIS Concepts & Applications in Const (30)	8
	BMR3409	Building Temporary Works (30)	9
	BMR3605	Construction Project Management (45)	9
	BNM4402	Building Maintenance and Adaptation (30)	9
	BMR3912	Integrated Project (45)	10
	WPD4074	WPD on Image & Ethics and Integrated Issues (15)	Exempt ¹
		<i>(Choose two module from below)</i>	
		<i>BMR3677 Building Finance and Economics (45)</i>	10
	<i>BMR3656 Maintenance and Facilities Mangt (45)</i>	10	
	<i>BMR2422 Environmental Science A (45)</i>	10	
	<i>BNM3624 Architectural Practice (45)</i>	10	
		Hours (MV) in Each Semester	
		Semester 1	150 (10)
		Semester 2	150 (10)
		Semester 3	135 (9)
		Semester 4	150 (10)
		Semester 5	150 (10)
		Semester 6	135 (9)
		Semester 7	150 (10)
		Semester 8	150 (10)
		Semester 9	105 (7)
		Semester 10	135 (9)

Note:

1. Exempt = To be exempted by work experience
2. The above indicated semesters in which the modules offered are for your reference only, and which may be amended at the discretion of the Department.

55911F PTE MEME HD in Surveying (QS Stream)

Level	Module (curriculum hours)		Shortest Route – Semester (Level 2 entry)
Level 2	LAN1501	English & Comm for CN IA (30)	1
	CMV1152	Introduction to Computing A (45)	1
	BMR3411	Principles of Bldg Construction (45)	1
	BNM5200	Building Services I (30)	2
	CNR1310	Construction Drawing (45)	2
	CMV5153	Mathematics for Survey Tech (30)	2
	LAN1502	English & Comm for CN IB (30)	2
	BNM5460	Land Surveying I (30)	1
	BNM3625	Bldg Project Org & Mgmt (45)	3
	BMR3712	Principles of Measurement (45)	3
	CNR1300	Construction Materials (45)	3
	LAN3591	Putonghua for Const Technicians (30)	4
	BNM3931	Basic Industrial Training (140)	Exempt
	WPD4052	WPD on Teamwork & Communication (30)	Exempt
WPD4082	WPD on Healthy Lifestyle (15)	Exempt	
Level 3	BMR3713	Measurement of Building Works (45)	4
	BMR5403	Building Technology I (45)	4
	BNM3153	IT Application in Construction (30)	4
	LAN2501	English & Comm for Const IIA (30)	5
	BNM2201	Building Services II (45)	5
	BMR3635	Building Law (45)	5
	BNM3626	Quality, Env and Safety Mgmt (30)	5
	BMR2540	Computer Aided Drafting (45)	6
	BMR3660	Bldg Planning Regulations (45)	6
	BNM3665	Building Inspection and Maint I (45)	6
	BMR3717	Building Cost Estimating (45)	7
	BMR3714	Quantity Surveying Project (45)	7
	BNM3933	Safety & Industrial Training B (64)	Exempt
	WPD4082	WPD on Healthy Lifestyle (15)	Exempt
WPD4063	WPD on Self-confidence & Career Develop (15)	Exempt	
Level 4	BNM3640	Tender and Contracts (60)	7
	BMR3622	Technicians in Society (45)	8
	BMR3656	Maint and Facilities Mgmt (45)	8
	BNM3681	Economics and Prop Investment (45)	8
	LAN2502	English & Comm for Const IIB (30)	9
	BMR3666	Building Inspection and Maint II (30)	9
	BMR3605	Const Project Management (45)	9
	BMR4404	Building Technology II (45)	9
	BNM3623	Const Industry in Mainland China (30)	10
	BNM3719	Integrated Project on Quantity Survey (45)	10
	BMR3715	Measurement for CN & E/M Works (75)	10
WPD4074	WPD on Career Image & Ethics & Integ issues (15)	Exempt	
		Hours (MV) in Each Semester	
	Semester 1	150 (10)	
	Semester 2	135 (9)	
	Semester 3	135 (9)	
	Semester 4	150 (10)	
	Semester 5	150 (10)	
	Semester 6	135 (9)	
	Semester 7	150 (10)	
	Semester 8	135 (9)	
	Semester 9	150 (10)	
	Semester 10	150 (10)	

- The above indicated semesters in which the modules offered are for your reference only, and which may be amended at the discretion of the Department.
- Curriculum of the BS stream can be found at the PTE website.
- Exempt = To be exempted by work experience