

Module Syllabus Outline

CCC7800 – Statutory Requirements and Procedures of Plumbing Works in Hong Kong	
Indicative learning content	Contact hours
<p>A. Ordinance and Regulations</p> <ul style="list-style-type: none">• Overview of Waterworks Ordinance and Waterworks Regulations Plumber License• Requirements and application procedures for plumber license, issuance, renewal and suspension of the license; Point Penalty System• Hong Kong Waterworks Standard Requirements for Plumbing Installation in Buildings• Hong Kong Waterworks Regulation – Schedule 2• Standard Forms• WSD Circular Letters• An overview of relevant international standards and requirements• Latest developments and issues	
<p>B. Application for Water Supply</p> <ul style="list-style-type: none">• Application for new building• Re-fixing of water meter• Separation of water meter• Change of consumership• Plumbing proposals, requirements, checklist• Typical drawings• Water meter• Application for approval of water supply pipes and fittings	36
<p>C. Special Supplies and Uses</p> <ul style="list-style-type: none">• Shipping supply• Construction site supply• Dual flushing source• Supply for cooling/air-conditioning/ humidification purpose• Concessionary usage of mains water• Domestic application	

CCC7801 – Project Management for Plumbing Works	
Indicative learning content	Contact hours
<p>A. Introduction to project management</p> <ul style="list-style-type: none"> • Work breakdown structure (WBS), organization chart, project schedule, income and expenditure list • Project planning, job allocation, authority and responsibilities • Contractual and common law principles and practices: essential elements for the formation of a valid contract, termination of contracts, damages, limitation of actions <p>B. Finance control and insurance</p> <ul style="list-style-type: none"> • Basic cost control and accounting techniques • Financial arrangements for engineering project • Insurance arrangements for engineering project <p>C. Supervisory management & problem solving</p> <ul style="list-style-type: none"> • Functions and roles of a supervisor, qualities and skills needed by a supervisor, verbal and nonverbal communications, questioning, effective listening, interviews, meetings and group dynamics, negotiation • Problems identification, generating new and innovative ideas, problem solving techniques <p>D. Quality management</p> <ul style="list-style-type: none"> • Concept of quality management, goals of organizational quality management culture, training to staff, quality management culture promotional activities • Materials purchasing, inspection, testing and control 	30

CCC7802 – Plumbing Practice	
Indicative learning content	Contact hours
<p>A. Tools and equipment</p> <ul style="list-style-type: none"> • Proper use of tools and equipment <p>B. Simple pipe works with fittings</p> <ul style="list-style-type: none"> • Pipe works: measuring, cutting, threading, bending and jointing • Valves and taps: fixing, rewashing and repairing <p>C. Pipe connection</p> <ul style="list-style-type: none"> • Revision of proper and good practices in common types of pipe connection 	6