

Professional Courses in Public Health and Plumbing Engineering (2017)

Background

After the outbreak of SARS, plumbing has become a focal point where virus could be transmitted through improper plumbing and drainage design. Water safety is focused in 2015. The Chartered Institute of Plumbing and Heating Engineering as a professional body in plumbing and drainage engineering takes the initiative to provide a fundamental training in plumbing and drainage design and installation.

Department of Civil and Environmental Engineering (CEE) of The Hong Kong Polytechnic University (PolyU) has been actively involved in water engineering in Hong Kong. CEE and the School of Professional Education and Executive Development (SPEED) are glad to provide support as partner organisations with CIPHE-HKB in offering a series of professional courses in Public Health and Plumbing Engineering. This will be the 14th intake of the courses organised by CIPHE-HKB.

Objectives

These courses are intended to provide a professional training on public health, plumbing and drainage design including water supply and drainage works. Upon completion of these courses, participants will be able to:

- acquire the knowledge on the system design, problem solving, equipment and material selection of plumbing and drainage for installations;
- apply the knowledge and techniques in practical plumbing and drainage engineering applications.

Target Participants

These courses are designed for practitioners in the field of Plumbing and Drainage, including engineers, supervisors, managers and other technical executives who need to apply plumbing design with public health knowledge to achieve better results in new building projects and renovation works in existing buildings.

Entrance Requirements

Applicants should possess a Higher Diploma or Higher Certificate in Engineering / Building Studies / Construction related discipline or equivalent. Enrolment is subject to the decision of CIPHE-HKB, CEE and SPEED. Entry test may be required.

Medium of Instruction

English, supplemented by Cantonese

Venue

The Hong Kong Polytechnic University, Hung Hom, Kowloon

Course Structure

Each course contains 10 sessions (3 hours each) and a 2-hour written examination. There will be 1 or 2 sessions per week for each course.

Course Title	Topics	Duration (hours)
<u>Course 1</u> Plumbing Design and Installation (course code:)	<ol style="list-style-type: none"> Potable and flushing water safety quality and supply system design (domestic, commercial, hospital and high-rise buildings) Hot water supply system including steam boiler design (residential, commercial, hospital and high-rise buildings, etc.) Piping materials, pump characteristic and selections Up-feed water pump and pneumatic tanks design and calculations Regulations and design guidelines for hot, cold and flushing water supply systems 	32 Lecture: 30 Exam: 2
<u>Course 2</u> Sanitary System, Drainage, Sewerage Design and Installation and Health Consideration (course code:)	<ol style="list-style-type: none"> Design of plumbing disposal and treatment system Below ground drainage system design and submersible pump design Surface water drainage and sump pit design Domestic sewage and effluent treatment Regulations and design guidelines for building drainage and sewage treatment installations 	32 Lecture: 30 Exam: 2
<u>Course 3</u> Safety, Green and Miscellaneous Plumbing Systems Design and Installation (course code:)	<ol style="list-style-type: none"> Design for kitchens, spa, recycle system for cooling tower Swimming pool water supply system and treatment Operation, management, testing & commission maintenance procedures Sustainability / green design Fire prevention, Industrial Safety Environmental impact assessment and monitoring 	32 Lecture: 30 Exam: 2

Tentative Schedule (2017)

Lesson	1	2	3	4	5	6	7	8	9	10	11 (Exam)
Time	6:45pm - 9:45pm										7:00pm - 9:00pm
Course 1: (Monday)	14/8	21/8	28/8	4/9	11/9	18/9	25/9	9/10	16/10	23/10	6/11
Course 2: (Wednesday)	16/8	23/8	30/8	6/9	13/9	20/9	27/9	11/10	18/10	25/10	1/11
Course 3: (Mon & Wed)	8/11	13/11	15/11	20/11	22/11	27/11	29/11	4/12	6/12	11/12	18/12

Tuition and Other Fees

The tuition fee for each course is HK\$3,830 which includes project assessment fee. For students who are required to take re-exam, a re-exam fee of HK\$300 per course is needed to be paid to CIPHE-HKB.

Closing Dates for Application

Course 1: **31 July 2017**

Course 2: **2 August 2017**

Course 3: **25 October 2017**

Places are limited. CIPHE-HKB, CEE and SPEED reserve the right to close application before the closing dates specified. Priority will be given to those who had studied in Intake 12 (year 2015) & Intake 13 (year 2016).

Certification

By PolyU SPEED:

Certificate of Attainment will be issued for each course to participants who have attended at least 70% of the classes and passed the assessment of that course. Certificate of Attendance is to be issued to students who have attended at least 100% of the classes.

By CIPHE-HKB:

On or before this intake (within 3 successive intakes), those who have successfully completed all 3 courses are eligible to apply for the “**Professional Diploma in Public Health and Plumbing Engineering**” which is based on required performance of the courses. This Professional Diploma is considered by CIPHE-HKB to be equivalent to one of the academic qualifications required for its FULL member (MCIPHE).

The students are recommended to submit a design project in related topics listed by CIPHE-HKB. A maximum of 10% of overall marks will be added with the submission of project. In addition, students are also recommended to attend a 3-hour seminar on design project. Details of the project and seminar will be announced in the class.

Application Procedures

Please send your duly completed application form with copies of academic qualification certifications and course fee in the form of bank draft(s)/crossed cheque(s) made payable to “The Hong Kong Polytechnic University” on or before the respective closing date mentioned to the following address:

The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch
G/F., 225a, Jaffe Road
Wanchai,
Hong Kong

Please issue one cheque for each course.

Notes for Applicants

- a) Incomplete application forms and post-dated cheques will not be accepted.
- b) Applicants will be notified by email of the application result as soon as possible. Acceptance letter and related details will be sent to successful applicants by post one week before the course commencement date.
- c) Priority will be given to members of CIPHE. Remaining places will be offered to other applicants who have fulfilled the entrance requirements on a first-come, first-served basis.
- d) Applicants are recommended to apply as early as possible. Qualified applicants may be considered for the next intake when places are filled.
- e) It is preferable but not essential for applicants to apply for three courses. Final acceptance of the applicants will be subject to the decision of CIPHE-HKB and CEE.
- f) The CIPHE-HKB, CEE and SPEED reserve the right to cancel any courses if there is insufficient enrolment or unforeseeable circumstance. For course cancellation, fees will be refunded by ordinary post.
- g) Fees paid are not refundable except for course cancellation or unsuccessful application.

Enquiries

The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch

Tel: 2417 0091 (9:00 am -12:00 noon)

Fax: 2417 9719

Email: info@ciphe.org.hk (please provide contact telephone number)

Website: www.ciphe.org.hk

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