



THE HONG KONG
POLYTECHNIC UNIVERSITY

DEPARTMENT OF
BUILDING SERVICES ENGINEERING



Reply to:
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Department of Building Services Engineering
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[Ref: Short course on Sprinkler Design]

- I enclose a cheque of HK\$1,300 / HK\$650* (SFPE member) for the registration for one day of the course on:
 - 24 Aug 2010 25 Aug 2010 26 Aug 2010

- I enclose a cheque of HK\$2,500 / HK\$1,250* (SFPE member) for the registration for two days of the course on:
 - 24 Aug 2010 25 Aug 2010 26 Aug 2010

- I enclose a cheque of HK\$3,000 / HK\$1,500* (SFPE member) for the registration for the whole course on 24-26 Aug 2010.

Surname : _____ First name : _____
 Company Name: _____
 Company/Home* Address: _____

 Tel: _____
 E-mail: _____

(Upon receipt of payment, reservations will be confirmed by letter. Cheques to be made payable to **The Hong Kong Polytechnic University**. Substitute delegates allowed provided advance notification is given. "First come first served" basis.)

* Please delete as appropriate



short course on
SPRINKLER DESIGN

24-26 Aug 2010 (tue-thu)

Y304 The Hong Kong Polytechnic University

Professor WK Chow

Director, Research Centre for Fire Engineering
 Leader, Area of Strength: Fire Safety Engineering
 Department of Building Services Engineering

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Day 1 24 August 2010
Session 1a 9:30 am – 12:30 pm

Elementary concepts

- Thermal sensitivity of sprinkler head
- Physical properties of water spray
- Cooling mechanism
- Heat transfer
- Laboratory demonstration

Session 1b 2:00 pm – 5:00 pm

- Design concept based on standard guides

Course Fee:
HK\$3,000 for the whole course, or HK\$1,300 per day

Day 3 26 August 2010
Session 3a 9:30 am – 12:30 pm
Discussion on design exercise

Session 3b 2:00 pm – 5:00 pm
Design for big fires such as warehouse
Comparison of different water systems
Questions and answers

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This short course aims to provide a quick training on sprinkler system design for those who do not have a good knowledge of fire engineering. The basic concept for sprinkler system will be introduced, followed by the design concept. A practical case will be assigned with appropriate tutorials. Some real designs of buildings will be presented. Different water systems such as for protecting warehouses will be compared.

Tutors: Professor WK Chow, Mr CK Choi, Dr NK Fong, Mr Edgar CL Pang, Dr KC Lam

Day 2 25 August 2010
Session 2a 9:30 am – 12:30 pm
Practical design through an example such as an industrial building

- Building outlines
- Uses of the building
- Design criteria
- Submission of drawings to government departments

Session 2b 2:00 pm – 5:00 pm
Design exercise

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