2-Day Course on **Advanced Concrete Design using Eurocode 2**

Jointly organised by BCA Academy and Protective Technology Research Centre (PTRC) of Nanyang Technological University (NTU), this course covers the design of prestressed concrete structures, slender columns, strut and tie of concrete regions that do not conform to flexure, core walls, foundations, retaining walls, progressive collapse, as well as both prescriptive and performance-based design of fire resistance of concrete structures. In addition, the participants will be equipped with fundamental understanding of structural behaviours.

**CPD Points**
- PEB: 12 PDUs
- IES-ACES (*for REs/RTOs*): 12 STUs

**Date:** 3 & 4 Apr 2014
**To register,** [CLICK HERE!](mailto:info@bca.edu.sg)
2 ½-Day Course on **Essential Knowledge in Local Regulations and Construction Practices**

Up-to-date knowledge of local regulations and construction practices are key to the site supervisors especially the Resident Engineers (RE) and Resident Technical Officers (RTO) to deliver their duties diligently and effectively.

This course will provide site supervisors essential knowledge in the areas of regulatory requirements, safety regulations, environmental management at construction sites, code requirements on construction practices and site supervision. With recent amendments in the Building Control Regulations to recognise graduates from more foreign universities as REs and RTOs for local projects, this course will be useful to engineers with foreign qualifications, and others who wish to be updated on local construction practices.

**CPD Points**
PEB: 16 PDUs
WSH-CPD (*for WSH officers*): 4 SDUs
IES - ACES (*for REs/RTOs*): 12 STUs

**Date:** 7, 8 & 9 Apr 2014
**To register,** [CLICK HERE!](#)

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13-Evening Certification Course in **Design of Precast Concrete Structures for Engineers**

Structural design of precast concrete structures is significantly different from the design of cast-in-situ structures. This course will address the structural design issues of precast concrete technology. It also aims to train the practitioners on the practical design of precast concrete structures in an interactive manner.

**CPD Points**
PEB: 36 PDUs
IES - ACES (*for REs/RTOs*): 12 STUs

**Date:** 8 Apr – 27 May 2014
**To register,** [CLICK HERE!](#)
4-Evening Course on **Supervision of Piling Works for Engineers and Supervisory Personnel**

Various challenges are present in pile foundation works due to the uncertainties and variability of the ground conditions. Once the piles are installed, they are expected to function throughout their lives. During the lifetime of the building, the foundation is rarely inspected for its continued structural integrity and stability. **Supervision of piling works for building foundation is therefore essential and critical in ensuring the quality of construction works and safety of building structures.**

This short course imparts to participants the essential knowledge of good construction practices, supervision of piling works, regulatory requirements and testing of pile foundation works.

**CPD Points**
- PEB: 12 PDUs
- IES-ACES (for REs/RTOs): 12 STUs

**Date:** 15, 17, 22 & 24 Apr 2014
To register, [CLICK HERE!](#)

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**Half-Day Course on Requirements for Environmental Sustainability Standard for Existing Buildings & Periodic Energy Audit**

*On 1st July 2013, regulatory requirements and implementation timeline of the prescribed Green Mark Standard for Existing Buildings and periodic energy audit of building cooling system were gazetted and will take effect from 2nd January 2014.*

This course will provide participants with salient information and knowledge on the Building Control Act 2012, Building Control (Environmental Sustainability Measures for Existing Buildings) Regulations 2013, Code on Periodic Energy Audit of Building Cooling System and the Green Mark e-filing system.

**CPD Points**
- PEB: 4 PDUs
- BOA-SIA: 2 CPD Points

**Date:** 16 Apr 2014
To register, [CLICK HERE!](#)
1-day Workshop on Seismic Design of Buildings to Eurocode 8

By 1 April 2015, the SS/BS will be withdrawn from the Approved Document, and the SS ENs will be the only prescribed design standards. There is, therefore, an urgent need for the industry to get prepared for the adoption of Eurocodes. Compliance to Eurocode 8 (EC8), which specifically deals with earthquake resistant design, will be required when SS ENs are adopted.

CPD Points
PEB: 7 PDUs
IES-ACES (for REs/RTOs) : 6 STUs

Dates: 21 Apr 2014
To register, CLICK HERE!

13-evening Certification Course for Green Mark Facilities Manager

This course aims to equip Facilities Managers with the knowledge and skills to implement sustainable improvement measures and technology in existing buildings to reduce its energy consumption and environmental impact over its functional life-cycle.

CPD Points
PEB: Pending
BOA-SIA: Pending

Date: 6 May – 3 Jul 2014
To register, CLICK HERE!

For enquiries or feedback, please email us at bca_academy@bca.gov.sg. Visit the BCA Academy’s website now for other seminars/courses details.