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

**4th Run Date:** 17 & 20 Apr 2015
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
4-evening Course on
Essential Knowledge in Building Legislation & Procedures for Building Plan Submission

This course aims to give the Qualified Persons and technical support staff a better understanding of the building regulations. It allows participants to know the submissions process at different building plan stages and how it can be done more effectively and efficiently.

**CPD Points**
PEB: 12 PDUs
BOA-SIA: Pending

**10th Run Date:** 21, 23, 28 & 30 Apr 2015
**Venue:** BCA Academy

To register, [CLICK HERE!](#)

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4-Evening Course on **Pile Foundation Design and Construction for Engineers**

All structures are to be supported on sound foundation for their safety and subsequent performance. A good understanding of the pile foundation design principles and construction practices is essential for every practitioner, designer, builder and supervisor involved so that structures will be built and maintained safely throughout the life of the structure.

This course aims to provide participants with an insight into the engineering principles of pile foundation design as well as good construction practices adopted locally with special emphasis on cast-in-place reinforced concrete bored pile compression.

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

**27th Run Date:** 21, 23, 28 & 30 Apr 2015
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
10-Months Part Time Course on
Specialist Diploma in
WORKPLACE, SAFETY AND HEALTH

Under the legal framework of Workplace Safety and Health (WSH), a WSH Officer is required to be appointed for a construction project with a contract sum of $10 million or more. The Specialist Diploma in Workplace Safety and Health (SDipWSH) is one of the qualifications recognised for the registration of a WSH Officer by the Ministry of Manpower. This course will also prepare the participants to take up employment as other WSH professionals such as WSH Managers, WSH Advisors, WSH Specialists, etc. The course contents have been developed to suit personnel who wish to work in the construction industry.

1st Run Date: Starting in May 2015
Venue: BCA Academy

To register, CLICK HERE!

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4-Evening Course on Geotechnical Instrumentation for Engineers

Geotechnical instrumentation plays an important role in the design verification and safety monitoring of geotechnical works. Being a specialised area, engineers and QPs need to be more familiar with instrumentation used for deep excavation, their installation monitoring and interpretation to ensure safety of excavation works and adjacent structures.

**CPD Points**
PEB: Pending
IES & ACES (for REs/RTOs): Pending

16th Run Date: 6, 8, 13 & 15 May 2015
Venue: BCA Academy

To register, CLICK HERE!
6-evening Course on
Internal Audit (QEHS) Course based on
QUALITY ISO 9001, ENVIRONMENTAL 14001 &
HEALTH & SAFETY OHSAS 18001

Most construction firms have implemented an integrated QEHS Management System which consists of Quality (ISO 9001:2008), Environmental (ISO 14001:2004) and Health & Safety (OHSAS 18001) standards. A new pool of trained internal auditors is required to help the construction firms to meet the ISO 9001, ISO14001 and OHSAS 18001 requirements. The Internal Audit (QEHS) course trains Internal Auditor (QEHS) as well as those who need to communicate with other firms, adopting the Quality, Environmental, Safety & Health Management Systems. Course

CPD Points
BOA-SIA: Pending

21st Run Date: 12, 14, 19, 21, 26 & 28 May 2015
Venue: BCA Academy

To register, CLICK HERE!

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2-day Course on Fundamentals of Water System Design

Based on ASHRAE approved educational products for professional development, this course aims to enable the participants to understand the basic concepts of hydronic system operation and design including piping systems, pipe materials and fittings, centrifugal pumps, terminal units, expansion tanks and water chillers. An overview of the relevant local authorities’ regulatory, guidelines and mandatory requirements would also be covered.

CPD Points
PEB: Pending
BOA-SIA: Pending

1st Run Date: 29 & 30 Jun 2015
Venue: BCA Academy

To register, CLICK HERE!

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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.