

Course Description

Eurocode 2 is the new standard for design of concrete structures. It is a robust and rigorous design code but takes a less prescriptive approach to design. As such it offers flexibility and opportunity in design but will require clear understanding and careful application.

This 3-days course considers the key changes between BS8110 and Eurocode2, illustrating the design challenges through presentation, discussion and tutorial, and offers expert advice and opinion on the practical application of the new European design codes. The emphasis is on buildings and the provisions of the Part 1.1: General rules and rules for buildings of EN 1992.

This course delivers a comprehensive and detailed workshop on the use and application of Eurocode 2 for the design of concrete building structures. Making extensive use of tutorials to reinforce the learning points, it considers all the key aspects of reinforced concrete design including flexure, shear, deflection, columns, detailing, and shallow foundations.

Invited Speaker

Ir. Mohamad Salleh Yassin
Universiti Teknologi Malaysia

He is currently a Senior Lecturer at the Faculty of Civil Engineering, UTM, specializing in reinforced and prestressed concrete design. Ir. Salleh is a registered professional engineer who has a wide experience in design of concrete and steel structures. He is actively involved in numerous consultancy projects with consulting firms in design projects related to water retaining structures, buildings and bridges. Ir. Salleh has conducted several courses on water retaining structures and bridge design. Currently he is actively conducted short course on reinforced concrete design to Eurocode 2.



Course Participants

Who should attend:

- **Civil / Structural Engineers**
- **Academics**
- **Concrete Precast Manufacture**
- **Contractors**
- **Architect**



Registration Information

- Participants are limited to 25 persons. The seats are limited and will be treated on First Come First Serve basis.
- This 3-day course will involve interactive design examples in accordance with Eurocode 2. A set of worked examples will be provided to participants.



School of Environmental Engineering
Universiti Malaysia Perlis (UniMAP)

Contact Person

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Date & Time:

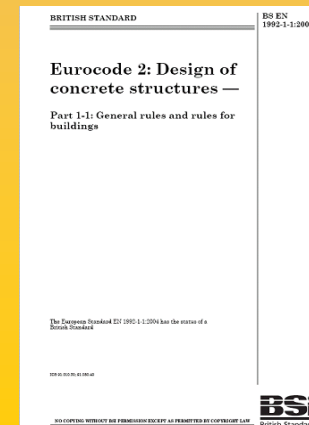
26 - 28 July 2011
8.30 am - 5.00 pm

Venue:

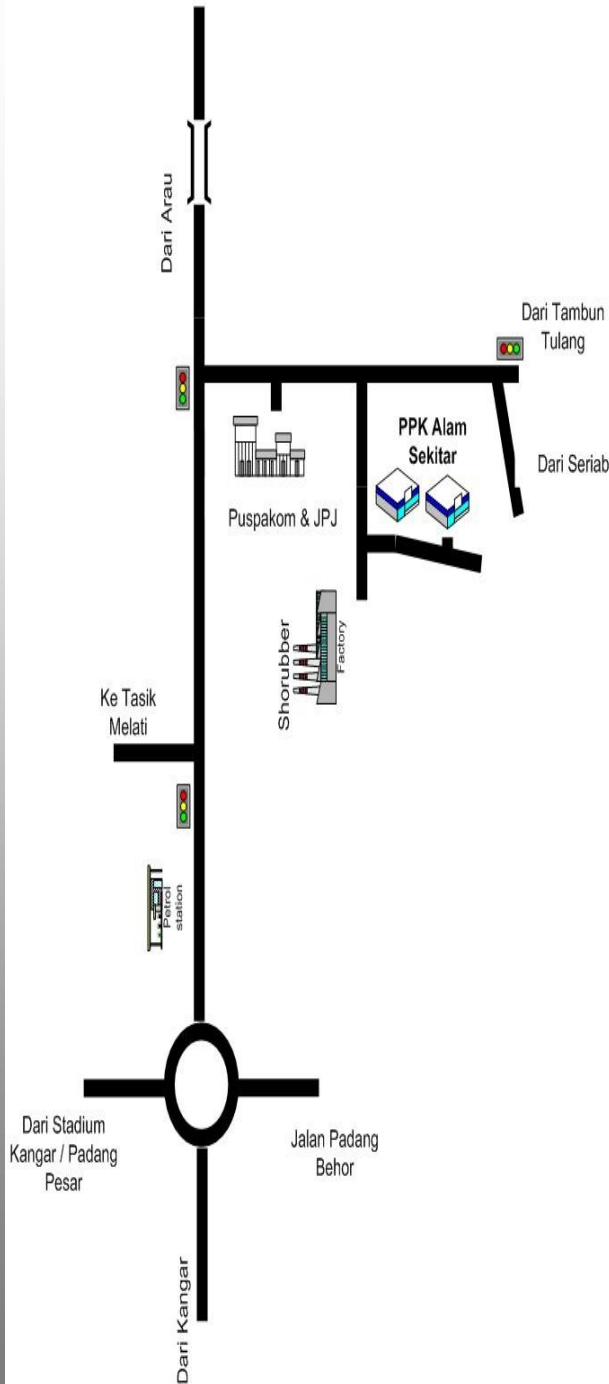
**Pusat Pengajian Kejuruteraan Alam Sekitar,
Kompleks Pusat Pengajian Jejawi 3,
Universiti Malaysia Perlis,
Arau, Perlis**

Organized by:

**Program Kejuruteraan Bangunan
Pusat Pengajian Kejuruteraan Alam Sekitar
Universiti Malaysia Perlis**



Direction to PPK Alam Sekitar



Short course Registration Form

Training Duration: 3 days
Dates of Training: 26-28 July 2011
Training Hours: 8.30 am to 5.00 pm
Training Venue: Pusat Pengajian Kejuruteraan Alam Sekitar, Kompleks Pusat Pengajian Kejuruteraan Jejawi 3, Arau, Perlis.

Trainee's Employer: _____
 Trainee's Employer Address: _____

Phone: _____

Participant 1:
 Trainee Name (1): _____
 Designation: _____
 Phone: _____
 E-mail Address: _____

Participant 2:
 Trainee Name (1): _____
 Designation: _____
 Phone: _____
 E-mail Address: _____

Participant 3:
 Trainee Name (1): _____
 Designation: _____
 Phone: _____
 E-mail Address: _____

Training Fee: RM 500.00 per person.
Payment Method: Fee must be paid prior to training due to limited seats and will be treated on first come first serve basis. Cancelled seats will be offered to other interested trainees.
Training fee payable to: All cheques, bank drafts and LO are to be made payable to "BENDAHARI UNIVERSITI MALAYSIA PERLIS" and to be sent to secretariat.
CPD Point: 18
Registration: Kindly complete this form and fax it to **04-9798636** or email the completed form and scanned copy to **norlia@unimap.edu.my** or **roshazita@unimap.edu.my**
Contact Person: Pn. Norlia Mohamad Ibrahim (017-4851874) or Pn. Roshazita Che Amat (012-4290373)

Tentative Programme

Day 1	
08.00am	Registration of Training Participants.
08.30am	Introduction to Structural Eurocodes and EC2
10.30am	Break / Refreshment
10.45am	Flexural Design
12.30pm	Break / Lunch
02.00pm	Shear Design
03.30pm	Break / Refreshment
03.45pm	Serviceability & Detailing
05.00pm	End of day 1 session
Day 2	
08.30am	Design of Beams
10.30am	Break / Refreshment
10.45am	Design of Beams: Workshop
12.30pm	Break / Lunch
02.00pm	Design of Slabs
03.30pm	Break / Refreshment
03.45pm	Design of Slabs: Workshop
05.00pm	End of day 2 session
Day 3	
08.30am	Design of Columns
10.30am	Break / Refreshment
10.45am	Design of Columns: Workshop
12.30pm	Break / Lunch
02.00pm	Design of Foundation
03.30pm	Break / Refreshment
03.45pm	Summary & Conclusion
05.00pm	End of day 3 session