



**SCANDINAVIAN ACADEMY**  
For Training and Development

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# Course: Structural Rehabilitation of Bridges

| Code | City                | hotel              | Start      | End        | price  | Hours |
|------|---------------------|--------------------|------------|------------|--------|-------|
| 333  | Beirut<br>(Lebanon) | Hotel Meeting Room | 2024-10-13 | 2024-10-17 | 2550 € | 25    |

## OVERVIEW

**After participating in the course, you will be able to:**

- Better understand the application of the Canadian Highway Bridge Design Code
- Apply state-of-the-art and innovative techniques for bridge rehabilitation and strengthening
- Boost your technical library with numerical examples for bridge evaluation and rehabilitation

## Description

Bridges need to be rehabilitated for causes such as deteriorations due to environmental effects, deficiencies in the original design or construction or the need to carry heavier vehicular loads. Those responsible for maintaining bridges need to keep abreast of the latest techniques available for assessing the condition of their structures, as well as the methods and techniques for repairing or strengthening them.

You will focus on the technical aspects of bridge rehabilitation, such as the use of bridge inspection equipment, condition survey procedures and the latest practical methods for repairing and strengthening existing bridges. The course will provide excellent exposure of the Canadian Highway Bridge Design Code.

## Who Should Attend



- Bridge rehabilitation Engineers
- Structural Designers and Inspectors
- Managers
- Consulting Engineers
- Superintendents and Contractors
- Fabricators and material suppliers
- Material testing personnel
- Regulatory Agency staff

## **Program Outline**

- Typical damage of bridge structures
- CHBDC assessment and evaluation techniques
- Bridge condition assessment
- Rehabilitation of concrete and concrete-steel bridge superstructures
- Use of FPP composites in rehabilitation



**The Scandinavian Academy for Training and Development employs modern methods in training and skills development, enhancing the efficiency of human resource development. We follow these practices:**

• **Theoretical Lectures:**

- We deliver knowledge through advanced presentations such as PowerPoint and visual materials, including videos and short films.

• **Scientific Assessment:**

- We evaluate trainees skills before and after the course to ensure their progress.

• **Brainstorming and Interaction:**

- We encourage active participation through brainstorming sessions and applying concepts through role play.

• **Practical Cases:**

- We provide practical cases that align with the scientific content and the participants specific needs.

• **Examinations:**

- Tests are conducted at the end of the program to assess knowledge retention.

• **Educational Materials:**

- We provide both printed and digital scientific and practical materials to participants.

• **Attendance and Final Result Reports:**

- We prepare detailed attendance reports for participants and offer a comprehensive program evaluation.

• **Professionals and Experts:**

- The programs scientific content is prepared by the best professors and trainers in various fields.

• **Professional Completion Certificate:**

- Participants receive a professional completion certificate issued by the Scandinavian Academy for Training and Development in the Kingdom of Sweden, with the option for international authentication.

• **Program Timings:**

- Training programs are held from 10:00 AM to 2:00 PM and include coffee break sessions during lectures.