



**Construction, Civil Engineering  
& Asset Management**



**SCANDINAVIAN ACADEMY**  
Training and Development

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# Course: Pavement Design & Construction of Municipal Roadways

Code	City	hotel	Start	End	price	Hours
334	Dublin (Ireland)	Hotel Meeting Room	2024-04-29	2024-05-03	5450 €	25

## OVERVIEW

After participating in this course, you will be able to:

- Follow the visual inspection methods used by specialists
- Use the latest destructive and non-destructive investigation techniques when conducting a building condition survey
- Select destructive and non-destructive testing techniques based on their strengths and limitations, and suitability to your concrete, steel, timber and masonry structures
- Interpret building system results
- Assess the useful life of the building systems and the whole building

## Description

As buildings age, those responsible for them must get involved with condition surveys. These individuals have to evaluate materials, conduct destructive or non-destructive tests, evaluate results and decide on the necessary actions for structural rehabilitation. This seminar explains the step-by-step procedures for conducting a condition survey of concrete, steel, timber and masonry structures, HVAC, mould, plumbing, electrical and fire safety systems.

The strengths and limitations of destructive and non-destructive techniques, along with their suitability for a variety of situations, are discussed.

## Course Outline

- Assessing Building Conditions
- Structural Condition of Wood, Steel and Concrete
- Masonry Structures
- Foundations
- Building Envelope: Testing and Monitoring
- Roofing, Doors and Windows
- Mould
- Site Elements and Life Expectancy



- Fire Safety
- HVAC Components and Plumbing Systems
- Electrical Systems
- Workshops
- Facility Condition Index
- Review Building Condition Assessment Reports and Case Studies

## Who Should Attend

- Structural Engineers
- Project Engineers and Managers
- Consulting Engineers
- Designers
- Facility Supervisors and Managers
- Building Services Managers
- Technicians and Technologists
- Capital Asset Personnel
- Inspection Personnel
- Architects



**The Scandinavian Academy 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 buffet sessions for light meals during lectures.