



**SCANDINAVIAN ACADEMY**  
For Training and Development

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# Course: Pavement Design & Construction of Municipal Roadways

Code	City	Hotel	Start	End	Price	Language - Hours
334	Madrid (Spain)	Hotel Meeting Room	2025-05-26	2025-05-30	5450 €	En - 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.



## 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

## 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



**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.