SCANDINAVIAN ACADEMY
For Training and Development

Course: Building Condition Assessment

Code	City	Hotel	Start	End	Price	Language - Hours
335	Dublin (Ireland)	Hotel Meeting Room	2024-12-09	2024-12-13	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.