

Scandinavian Academy
Training Center

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Riyadh - Al Khaleej District - Sheikh Abdul Aziz Bin Abdul Rahman Bin Bishr Street - 13223 - Office No. 5 | P.O.BOX : 13224

Course: Maintenance Planning, Scheduling and Control

Code	City	hotel	Start	End	price	Language - Hours
MA-118SA	Alula	Hotel Meeting	2027-09-19	2027-09-23	13950 SR	En - 25

Program Objectives:

By the end of the program, participants will be able to:

- Apply the latest concepts and techniques needed for effectively planning, scheduling and controlling maintenance activities.
- Manage routine, corrective, as well as large scale preventive maintenance activities.
- Review the critical operational requirements for successful planning and control of the maintenance work.
- Use the right Key Performance Indicators (KPIs) for the measurement and evaluation of the maintenance department.

This Program is designed for:

Managers, supervisors and planners responsible for maintenance planning, scheduling and control activities. This program is worth 25 NASBA CPEs.

Program Outline:

Objectives of Maintenance

- What Is Maintenance?
- Evolution of Maintenance

- Challenges Facing Maintenance
- Types of Maintenance
- Classification of Roles in Maintenance
- Customer Service in Maintenance

The Work Order System

- Purpose of the Work Order System
- Information Collected on a WO
- Job Estimating Methods
- Prioritizing Maintenance Work

Preventive Maintenance (PM)

- Understanding PM
- Implementing a PM Program
- Establishing Scheduling
- Breaking a Facility Into Logical Parts
- Developing an Equipment List
- Writing PMs
- Developing Equipment Manuals
- Setting Up Inventory

Planning and Scheduling of Major Maintenance WOs and Shutdowns

- Planning and Scheduling
- Work Breakdown Structure
- Critical Path Method (CPM)
- Resource Scheduling and Leveling

Life Cycle Cost of Equipment

- Capital Budgeting
- Accounting Rate of Return (ARR)

- Payback Method
- Net Present Value Method (NPV)
- Replacement Analysis of Equipment

Planning and Controlling Maintenance Materials

- Inventory Costs
- Considerations in Inventory Decisions
- Economic Order Quantity (EOQ)
- Total Material Cost
- When to Order

Safety in Maintenance

- Myths About Safety
- Accidents and Injuries
- Unsafe Acts and Unsafe Conditions
- Cost of Accidents
- Safety Audit

Controlling Maintenance Work

- Measuring Performance
- Sources of Data
- Backlog Indices
- Schedule Compliance
- PM and Emergency Indices
- Productivity Indicators

The Scandinavian Academy for Training Center adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training Center.

Program Timings: 9:00 AM to 2:00 PM

The program includes:

- A daily buffet provided during the sessions to ensure participants comfort.
- A closing ceremony on the final day to distribute certificates and celebrate participants achievements.
- **Note: All prices are exclusive of 15% Value Added Tax (VAT).**

Our Success Partners

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