

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: Production Chemistry – OGPC

Code	City	hotel	Start	End	price	Language - Hours
CM-345SA	Alula	Hotel Meeting	2027-04-25	2027-04-29	13950 SR	En - 25

Objectives

This course covers the selection and use of chemicals used in oil and gas production. As oilfields mature more water is produced which requires the use of more chemicals to maintain production. Chemicals used for controlling corrosion, emulsions, foaming, mineral scales, paraffins (waxes), asphaltenes, gas hydrates, hydrogen sulfide scavengers, and water clarifiers are covered. The course includes methods to determine the need for chemical treating, how to select the proper chemicals, and how testing for chemical compatibility with the formation and other chemicals is performed. Requirements for environmentally friendly products and products for deep water production are discussed. The course will include how the use of chemicals can prevent problems, improve production and economics, and extend the life of the production equipment. Due to its modular construction, this course can be offered on an in-house basis with expansion of some of the major sections and deletion of others to suit the needs of individual client groups. Should you desire this approach, please contact us.

What you will learn

How To:

- Recognize corrosive conditions and monitor corrosion rates
- Select and apply corrosion inhibitors
- Predict and treat emulsions
- Understand causes and control of foaming
- Predict scale forming conditions
- Select and apply scale inhibitors

- Control gas hydrate formation
- Predict and control paraffin (wax) deposition
- Evaluate methods for asphaltene control
- Scavenge low concentrations of H2S
- Select and apply water clarifiers
- Select chemicals for use in deep water
- Select environmentally friendly chemicals

Outlines

- Corrosive agents
- Corrosion inhibitor selection and application
- Predicting and monitoring corrosion rates
- Basics of oilfield emulsions
- Demulsifier selection and field application
- Foams
- Defoamers
- Foam basics
- Field application of foams
- How defoamers work
- Compounds that cause scaling
- Prediction of scaling tendency
- Scale inhibitors
- Solvents to dissolve scales
- Requirements for gas hydrates to form
- Types of compounds used to control hydrate formation
- Causes of paraffin (wax) problems
- Paraffin treatment chemicals
- Asphaltene stability tests
- Asphaltene treatment chemicals
- Chemicals used as H2S scavengers
- Application of H2S scavengers

- Oil carryover in water
- Removal of oil and oily solids
- Tests required for chemicals used in deep water
- Green chemicals (environmentally friendly chemicals)

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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