

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: The A to Z of Petroleum Industry

Code	City	hotel	Start	End	price	Language - Hours
OG-140SA	Dammam	Hotel Meeting Room	2027-07-25	2027-07-29	12950 SR	En - 25

Why Choose this Course?

This comprehensive course recognizes the need for professionals to have a comprehensive and broad understanding of the Petroleum Industry from A to Z - from upstream to downstream. Oil and gas are the world`s most important energy resources driving the global economy. The processes and systems required for oil and gas production, refining and distribution are highly complex, capital-intensive and require state-of-the-art technology. This course will serve as an introduction to the petroleum industry and will greatly assist those who need to progress to a detailed knowledge of the industry.

This course will feature:

- Details of oil & gas processing including exploration, refining, storage transportation and retailing
- Understanding of the value chain from the well to consumer
- Understanding of the fundamental technologies of both upstream and downstream oil & gas industries
- Understanding of the ways the oil & gas industries are organized to operate effectively and efficiently
- Develop the necessary skills to evaluate and make effective decisions related to the oil & gas industry

What are the Goals?

- Identify key process operations related to the exploration & production of upstream industry feedstock

- Analyze the key process operations related to refining and production of downstream products
- Recognize the total spectrum of the oil and gas industry and the challenges faced
- Develop skills to assist in the evaluation of corporate opportunities
- Understand the structure of the oil and gas business

Who is this Course for?

This course is designed for both technical and non-technical personnel as well as operational staff at professional levels employed in refineries, petrochemical, and oil and gas process industries. The course is designed to be of substantial benefit to personnel within the Oil and Gas Industries such as:

- Technologists
- Mechanical engineers
- Safety and Inspection engineers
- Operations, Maintenance or project engineers
- Anyone requiring a broad understanding of the structure, operations and economics of the oil and gas industries

How will this be Presented?

This course will utilise a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This programme is a hands-on, stimulating learning experience that is highly interactive, with many opportunities to advance ones opinions and ideas. Participation is encouraged in a supportive environment that ensures that the concepts introduced during the programme are understood.

The Course Content

Day One : Origins of Petroleum

- Origins of oil & gas
- Petroleum chemistry
- Petroleum geology
- Exploration & production of petroleum
- Types of Well
- Development of Oil and gas fields

Day Two : World Energy Markets

- Pipeline geopolitics
- OPEC (Organization of the Petroleum Exporting Countries)
- EIA (Energy Information Administration)
- Statistical review of petroleum consumption and supply
- Distribution transmission and transportation
- Tank farms and storage

Day Three : Refinery Operations

- Physical separation – Distillation
- Chemical conversion processes
- Blending
- Refinery Complexity
- Refining margins

Day Four : Gas Processing

- Inlet separation, Dehydration/Dewpoint control
- Contaminants & Pipeline Gas specifications
- Amine Gas Sweetening
- Physical Solvent Processes
- Sulphur Recovery

- Gas compression & Liquefaction

Day Five : Oil and Gas Management

- Cost estimation of oil and gas facilities
- Pricing, Trading, Markets, Risk Management
- Crude Benchmarks & price estimation
- Derivatives – Futures, Options and Swaps
- Climate Change & Renewable Energy
- Course Exercises, Evaluation and roundup

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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