

COURSE OVERVIEW DE0500
Screening of Oil Reservoirs for Enhanced Oil Recovery

Course Title

Screening of Oil Reservoirs for Enhanced Oil Recovery

Course Reference

DE0500

Course Duration

Five days/3.0 CEUs/30 PDHs



Course Date/Venue

Session(s)	Date	Venue
1	January 28-February 01, 2024	Kizkulesi, Crown Plaza Istanbul Asia Hotels & Convention Center, Istanbul, Turkey
2	February 25-29, 2024	Oryx Meeting Room, Doubletree By Hilton Doha-Al Sadd, Doha, Qatar
3	March 03-07, 2024	The Mouna Meeting Room, The H Dubai Hotel, Sheikh Zayed Rd - Trade Centre, Dubai, UAE

Course Description



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.



This course is designed to provide participants with a detailed and an up-to-date overview of oil reservoirs for enhanced oil recovery screening. It covers the reasons and various processes of enhanced oil recovery; the displacement fundamentals; the phase behavior and the miscible recovery process; the polymer flooding as well as chemical/micellar/surfactant flooding; the thermal processes; and the interpretation of carbon dioxide flooding.



Upon the completion of this course, participants will have an understanding of the various processes used for improved oil recovery. You will learn why oil is left in the reservoir after various recovery processes no longer produce economic quantities and what additional processes are available to recover this oil. You will learn how to do a preliminary evaluation to determine which processes might be suitable for a specific reservoir.

Course Objectives

Upon the successful completion of this course, each participant will be able to: -

- Apply and gain an in-depth knowledge on screening of oil reservoirs for enhanced oil recovery processes
- Discuss enhanced oil recovery including definitions, reasons and various processes
- Define and explain the displacement fundamentals
- Interpret the phase behavior and illustrate the miscible recovery process
- Explain and discuss polymer flooding as well as chemical/micellar/surfactant flooding
- Illustrate and analyze thermal processes
- Explain and interpret carbon dioxide flooding

Who Should Attend

This course provides an overview of all significant aspects and considerations of screening of oil reservoirs for enhanced oil recovery for engineers who will be evaluating reservoirs that are nearing primary depletion and for managers and supervisors who will make the final decisions on the recommendations of enhanced oil recovery projects to upper-level management.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Fee

Istanbul	US\$ 8,500 per Delegate + VAT . This rate includes Participants Pack (Folder, Manual, Hand-outs, etc.), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Doha	US\$ 8,500 per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	US\$ 8,000 per Delegate + VAT . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations


Certificates are accredited by the following international accreditation organizations: -

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The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council for Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Instructor

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Mr. Stan Constantino, MSc, BSc, is a Senior Petroleum Engineer with over 35 years of Offshore & Onshore experience in Drilling/Reservoir/Petroleum Engineering and Well Service Operations. His area of expertise includes Reservoir Surveillance & Management, Reservoir Engineering & Simulation, Reservoir Monitoring, Reservoir Engineering Applications with ESP and Heavy Oil, Reserve Evaluation, Directional Drilling, Drilling Production & Operations, Field Development & Production of Oil & Gas, Wireline Logging, Mud Logging, Production Logging, Slick Line, Coil Tubing, Exploration Wells Evaluation, Horizontal Wells, Well Testing, Well Workover Supervision, Pressure Transient Analysis and Petrophysical Log Analysis. Currently, he is the Managing Director of Geotech wherein he is responsible in managing the services and providing technical support to underground energy related projects concerning field development, production, drilling, reservoir engineering and simulation.

Throughout his long career life, Mr. Stan has worked for many international companies such as the **Kavala Oil, North Aegean Petroleum Company and Texaco Inc.**, as the **Managing Director, Operations Manager, Petroleum Engineering & Exploration Department Head, Assistant Chief Petroleum Engineer, Senior Petroleum Engineer and Petroleum Engineer.**

Mr. Stan has a **Master's in Petroleum Engineering** and a **Bachelor's degree in Geology** from the **New Mexico Institute of Mining & Technology** and from the **Aristotelian University, Greece**, respectively. Further, he is a member of the Society of Petroleum Engineers, USA (**SPE**), Society of Well Log Professional Analysts, USA (**SPWLA**) and European Association of Petroleum Geoscientists & Engineers (**EAGE**).

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Introduction to EOR <i>Definitions • Reasons for EOR • Various Processes</i>
0930 – 0945	Break

0945 – 1100	Displacement Fundamentals
1100 – 1230	Displacement Fundamentals (cont'd)
1230 – 1245	Break
1245 – 1420	Displacement Fundamentals (cont'd)
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2

0730 – 0900	Phase Behavior
0900 – 0915	Break
0915 – 1100	Phase Behavior (cont'd)
1100 – 1230	Phase Behavior (cont'd)
1230 – 1245	Break
1245 – 1420	Miscible Recovery Processes
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3

0730 – 0900	Miscible Recovery Processes (cont'd)
0900 – 0915	Break
0915 – 1100	Miscible Recovery Processes (cont'd)
1100 – 1230	Polymer Flooding
1230 – 1245	Break
1245 – 1420	Polymer Flooding (cont'd)
1420 – 1430	Recap
1430	Lunch & End of Day Three

Day 4

0730 – 0900	Polymer Flooding
0900 – 0915	Break
0915 – 1100	Chemical/Micellar/Surfactant Flooding
1100 – 1230	Chemical/Micellar/Surfactant Flooding (cont'd)
1230 – 1245	Break
1245 – 1420	Chemical/Micellar/Surfactant Flooding (cont'd)
1420 – 1430	Recap
1430	Lunch & End of Day Four

Day 5

0730 – 0930	Thermal Processes
0930 – 0945	Break
0945 – 1100	Thermal Processes (cont'd)
1100 – 1200	Carbon Dioxide Flooding
1200 – 1215	Break
1215 – 1345	Carbon Dioxide Flooding (cont'd)
1345 – 1400	Course Conclusion
1400 – 1415	POST-TEST
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

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