# COURSE OVERVIEW DE0407
# Field Development and Business Planning

**Course Title**
Field Development and Business Planning

**Course Date/Venue**
Please see page 3

**Course Reference**
DE0407

**Course Duration/Credits**
Five days/3.0 CEUs/30 PDHs


**Course Description**

***This practical and highly-interactive course includes real-life case studies 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 up-to-date overview of Field Development and Business Planning. It covers the fundamentals of field development in the oil and gas industry; the reservoir characterization, reservoir properties and behavior; the geological and geophysical aspects and the role of geology and geophysics in field development; the well planning and design and the basics of well architecture and design principles; the field development strategies and different strategies for optimal field development; the asset management in reservoir engineering; and the steps and strategies for creating effective asset action plans.

Further, the course will also discuss the risk management and mitigation in field development; the economic evaluation and cost analysis; the technology integration for efficient asset management; the principles and methods of production forecasting; the data analysis and interpretation and utilizing data for accurate forecasting; and the advanced reservoir simulation techniques and methods for forecasting.

During this interactive course, participants will learn the production optimization strategies and techniques for enhancing production; the forecast accuracy and reliability; the strategic planning in field development and long-term planning and sustainability; the importance of engaging stakeholders in strategic planning; the regulatory compliance and legal considerations; incorporating environmental and social factors and addressing environmental and social impacts; integrating field development concepts; the advanced reservoir management techniques and technologies; the leadership and communication skills in field development; emerging future trends in oil and gas industry; and the project management principles in field development.

## Course Objectives

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

- Apply and gain a comprehensive knowledge on field development and business planning
- Explain the fundamentals of field development in the oil and gas industry as well as recognize reservoir properties and behavior
- Identify geological and geophysical aspects and the role of geology and geophysics in field development
- Describe well planning and design as well as identify the basics of well architecture and design principles
- Apply field development strategies and evaluate different strategies for optimal field development
- Discuss asset management in reservoir engineering as well as develop steps and strategies for creating effective asset action plans
- Identify and manage risks in field development as well as carryout economic evaluation and cost analysis and determine costs and economic factors
- Integrate technology for efficient asset management as well as identify the principles of production forecasting and apply production forecasting methods
- Analyze, interpret and utilize data for accurate forecasting as well as apply advanced reservoir simulation techniques and methods for forecasting
- Optimize production strategies and techniques for enhancing production and ensure forecast accuracy and reliability
- Carryout strategic planning in field development and develop long-term planning and sustainability
- Recognize the importance of engaging stakeholders in strategic planning as well as comply regulatory environment and legal considerations
- Incorporate environmental and social factors as well as address environmental and social impacts
- Integrate field development concepts and explore advanced reservoir management cutting-edge techniques and technologies
- Enhance leadership and communication skills in field development as well as emerge future trends in oil and gas industry
- Apply project management principles in field development

## Exclusive Smart Training Kit - H-STK®


*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

### Who Should Attend

This course provides an overview of all significant aspects and considerations of field development and business planning for reservoir engineers, petroleum engineers, production engineers, geoscientists, project managers and those involved in the preparation of field development plans (FDP).

### 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 Date/Venue

| Session(s) | Date | Venue |
|---|---|---|
| 1 | April 26-30, 2026 | Meeting Plus 9, City Centre Rotana, Doha, Qatar |
| 2 | June 08-12, 2026 | Salon Expo, NH Hotel Plaza de Armas, Seville, Spain |
| 3 | August 09-13, 2026 | Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE |
| 4 | October 18-22, 2026 | Meeting Plus 9, City Centre Rotana, Doha, Qatar |
| 5 | November 08-12, 2026 | Meeting Room 4, Four Seasons Hotel Cairo at Nile Plaza, Corniche El Nil, Garden City, Cairo, Egypt |
| 6 | December 07-11, 2026 | Ruben Boardroom, The Rubens at The Palace, Buckingham Palace Road, London, United Kingdom |
| 7 | January 17-21, 2027 | Meeting Room 4, Four Seasons Hotel Cairo at Nile Plaza, Corniche El Nil, Garden City, Cairo, Egypt |
| 8 | March 15-19, 2027 | Pierre Lotti Meeting Room, Movenpick Hotel Istanbul Golden Horn, Istanbul, Turkey |

## 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

Haward's certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.

- 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.

## Accommodation

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

**Course Instructor(s)**

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:

**Dr. Hesham Abdou**, PhD, MSc, BSc, is a **Senior Drilling & Petroleum Engineer** with over **30 years** of integrated industrial and academic experience as a **University Professor**. His specialization widely covers in the areas of **Drilling & Completion** Technology, **Directional Drilling**, **Horizontal & Sidetracking**, **Drilling Operation** Management, **Drilling & Production** Equipment, **ERD Drilling & Stuck Pipe** Prevention, **Natural & Artificial Flow Well Completion**, **Well Testing** Procedures & Evaluation, **Well** Performance, **Coiled Tubing** Technology, **Oil Recovery Methods** Enhancement**, Well Integrity** Management, **Well Casing & Cementing**, **Acid Gas** Removal, **Heavy Oil Production** & Treatment Techniques, **Crude Oil Testing & Water Analysis**, **Crude Oil & Water** Sampling Procedures, **Equipment Handling** Procedures, **Crude & Vacuum Process** Technology, **Gas Conditioning & Processing**, **Cooling Towers** Operation & Troubleshooting, **Sucker Rod Pumping**, **ESP & Gas Lift**, **PCP & Jet Pump**, **Pigging** Operations, Electric Submersible Pumps (**ESP**), Progressive Cavity Pumps (**PCP**), **Water Flooding**, **Water Lift Pumps** Troubleshooting, **Water System Design** & Installation, **Water Networks Design** Procedures, **Water Pumping** Process, **Pipelines**, **Pumps**, **Turbines**, **Heat Exchangers**, **Separators**, **Heaters**, **Compressors**, **Storage Tanks**, **Valves** Selection, **Compressors**, **Tank & Tank Farms** Operations & Performance, **Oil & Gas Transportation**, **Oil & Gas Production** Strategies, **Artificial Lift** Methods, **Piping & Pumping** Operations, Oil & Water Source Wells Restoration, **Pump** Performance Monitoring, **Rotor Bearing** Modelling, **Hydraulic** Repairs & Cylinders, **Root Cause Analysis**, **Vibration & Condition** Monitoring, **Piping Stress** Analysis, **Amine Gas Sweetening & Sulfur Recovery**, Heat & Mass Transfer and Fluid Mechanics.

During his career life, Dr. Hesham held significant positions and dedication as the **General Manager**, **Petroleum Engineering Assistant General Manager**, **Workover Assistant General Manager**, **Workover Department Manager**, **Artificial Section Head**, **Oil & Gas Production Engineer** and **Senior Instructor/Lecturer** from various companies and universities such as the Cairo University, Helwan University, British University in Egypt, Banha University and Agiba Petroleum Company.

Dr. Hesham has a **PhD** and **Master** degree in **Mechanical Power Engineering** and a **Bachelor** degree in **Petroleum Engineering**. Further, he is a **Certified Instructor/Trainer** and a **Peer Reviewer**. Dr. Hesham is a member of Egyptian Engineering Syndicate and the Society of Petroleum Engineering. Moreover, he has published technical papers and journals and has delivered numerous trainings, workshops, courses, seminars and conferences internationally.

## Course Fee

| | |
|---|---|
| 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. |
| Seville | **US$ 8,800** per Delegate + **VAT**. 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. |
| Cairo | **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. |
| London | **US$ 8,800** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day. |
| Istanbul | **US$ 8,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day. |

## 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 – 0900* | ***Fundamentals of Field Development:*** *Field Development in the Oil & Gas Industry* |
| *0900 – 0930* | ***Reservoir Characterization:*** *Reservoir Properties & Behavior* |
| *0930 – 0945* | *Break* |
| *0945 – 1130* | ***Geological & Geophysical Aspects:*** *Role of Geology & Geophysics in Field Development* |
| *1130 - 1230* | ***Well Planning & Design:*** *Basics of Well Architecture & Design Principles* |
| *1230 – 1245* | *Break* |
| *1245 – 1320* | ***Field Development Strategies:*** *Evaluating Different Strategies for Optimal Field Development* |
| *1350 - 1420* | ***Case Study Analysis:*** *Review of Successful Field Development Projects* |
| *1420 – 1430* | ***Recap*** |
| *1430* | *Lunch & End of Day One* |

***Day 2***

| | |
|---|---|
| *0730 – 0830* | ***Introduction to Asset Management:*** *Asset Management in Reservoir Engineering* |
| *0830 – 0930* | ***Developing an Asset Action Plan:*** *Steps and Strategies for Creating Effective Asset Action Plans* |

| | |
|---|---|
| 0930 – 0945 | Break |
| 0945 – 1130 | ***Risk Management & Mitigation:*** *Identifying & Managing Risks in Field Development* |
| 1130 – 1230 | ***Economic Evaluation & Cost Analysis:*** *Costs & Economic Factors* |
| 1230 – 1245 | Break |
| 1245 – 1330 | ***Technology Integration in Asset Management:*** *Technology for Efficient Asset Management* |
| 1330 - 1420 | ***Interactive Workshop:*** *Practical Exercise in Asset Action Plan Development* |
| 1420 – 1430 | ***Recap*** |
| 1430 | *Lunch & End of Day Two* |

***Day 3***

| | |
|---|---|
| 0730 – 0830 | ***Principles of Production Forecasting:*** *Production Forecasting Methods* |
| 0830 – 0930 | ***Data Analysis & Interpretation:*** *Utilizing Data for Accurate Forecasting* |
| 0930 – 0945 | Break |
| 0945 – 1130 | ***Reservoir Simulation Techniques:*** *Advanced Simulation Methods for Forecasting* |
| 1130 – 1230 | ***Production Optimization Strategies:*** *Techniques for Enhancing Production* |
| 1230 – 1245 | Break |
| 1245 – 1330 | ***Forecast Reliability & Validation:*** *Ensuring Forecast Accuracy & Reliability* |
| 1330 - 1420 | ***Case Studies in Production Forecasting:*** *Analyzing Real-World Examples* |
| 1420 – 1430 | ***Recap*** |
| 1430 | *Lunch & End of Day Three* |

***Day 4***

| | |
|---|---|
| 0730 – 0830 | ***Strategic Planning Overview:*** *Strategic Planning in Field Development* |
| 0830 – 0930 | ***Long-Term Planning & Sustainability:*** *Balancing Immediate Needs with Long-Term Goals* |
| 0930 – 0945 | Break |
| 0945 – 1130 | ***Stakeholder Engagement & Management:*** *Importance of Engaging Stakeholders in Strategic Planning* |
| 1130 – 1230 | ***Regulatory Compliance & Legal Considerations:*** *The Regulatory Environment* |
| 1230 – 1245 | Break |
| 1245 – 1330 | ***Incorporating Environmental & Social Factors:*** *Addressing Environmental & Social Impacts* |
| 1330 - 1420 | ***Group Activity:*** *Developing a Strategic Plan for a Hypothetical Field* |
| 1420 – 1430 | ***Recap*** |
| 1430 | *Lunch & End of Day Four* |

***Day 5***

| | |
|---|---|
| 0700 – 0830 | ***Integrating Field Development Concepts:*** *Synthesizing Knowledge from Previous Days* |
| 0830 – 0930 | ***Advanced Reservoir Management Techniques:*** *Exploring Cutting-Edge Techniques & Technologies* |
| 0930 – 0945 | Break |
| 0945 – 1130 | ***Leadership & Communication in Field Development:*** *Enhancing Leadership & Communication Skills* |

| | |
|---|---|
| *1130 – 1230* | ***Emerging Trends in Oil & Gas Industry:*** *The Future of the Industry* |
| *1230 – 1245* | *Break* |
| *1245 – 1300* | ***Project Management in Field Development:*** *Applying Project Management Principles* |
| *1300 – 1345* | ***Final Workshop:*** *Final Exercise* |
| *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

Jaryl Castillo, Tel: +974 6652 9196, Email: jaryl@haward.org