

# **HRODC Postgraduate Training Institute**

## **A Postgraduate-Only Institution**

**090**

**Oil and Gas Operation for Non Technical  
Staff – Incorporating Oil and Gas Safety  
Course or Seminar**

**Leading To:**

**DIPLOMA – POSTGRADUATE IN**  
*Oil and Gas Operation*  
*Accumulating to*

**POSTGRADUATE DIPLOMA**  
**Progressing To A Masters Degree –**  
***MBA – MSc - MA***

### **Course Coordinator**

**Prof. Dr. R. B. Crawford – Director of HRODC Ltd. and Director of HRODC Postgraduate Training Institute, A Postgraduate-Only Institution. He has the following Qualifications and Affiliations:**

- Doctor of Philosophy {(PhD) (University of London)};
- MEd. Management (University of Bath);
- Advanced Dip. Science Teacher Ed. (University of Bristol);
- Postgraduate Certificate in Information Systems (University of West London, formerly Thames Valley University);
- Diploma in Doctoral Research Supervision, (University of Wolverhampton);
- Teaching Certificate;
- Fellow of the Institute of Management Specialists;
- Human Resources Specialist, of the Institute of Management Specialists;
- Member of Academy of Management (MAoM), within the following Management Disciplines:
  - Human Resources;
  - Organization and Management Theory;
  - Organization Development and Change;
  - Research Methods;
  - Conflict Management;
  - Organizational Behavior;
  - Management Consulting;
  - Gender & Diversity in Organizations; and
  - Critical Management Studies.
- Member of the Asian Academy of Management (MAAM);
- Member of the International Society of Gesture Studies (MISGS);
- Member of the Standing Council for Organisational Symbolism (MSCOS);
- Life Member of Malaysian Institute of Human Resource Management (LMIHRM);
- Member of ResearchGate Community;
- Member of Convocation, University of London;
- Professor HRODC Postgraduate Training Institute.

**Prof. Crawford was an Academic at:**

- University of London (UK);
- London South Bank University (UK);
- University of Greenwich (UK); and
- University of Wolverhampton (UK).

### **For Whom This Course is Designed** **This Course is Designed For:**

- Government Ministers;
- Chief Executives;
- Managing Directors;
- Finance Directors and Managers;
- Financial Controllers;
- Chief Accountants;
- Treasury Officers;
- Asset Accountants;
- Joint Venture Accountants;
- Management Accountants;
- Internal and External Auditors;
- Government Regulators;
- Financial Analysts;
- Public Accountants;
- Financial Analyst;
- Engineers and Geologist;
- Drilling & Refinery Managers;
- Marketing & Sales Directors & Managers;
- Others with an interest in the Oil and Gas Industry;
- Oil and Gas Safety Officials.

**Duration: 6 Days**

**Cost: £6,000.00 Per Delegate**

#### **Please Note:**

- V.A.T. (Government Tax) does not apply to Corporate Sponsored Individuals, taking Programmes or Courses in any location - within or outside the UK.

- It applies only to Individuals and Corporations based in the UK and to Non-UK Individual Residents taking courses in the UK.

**Cost includes:**

- Free Continuous snacks throughout the Event Days;
- Free Hot Lunch on Event Days;
- Free City Tour;
- Free Stationery;
- Free On-site Internet Access;
- Diploma – Postgraduate –in **Oil and Gas Operation**; or
- Certificate of Attendance and Participation – if unsuccessful on resit.

**HRODC Postgraduate Training Institute's Complimentary Products include:**

1. HRODC Postgraduate Training Institute's **Leather Conference Folder**;
2. HRODC Postgraduate Training Institute's **Leather Conference Ring Binder/ Writing Pad**;
3. HRODC Postgraduate Training Institute's **Key Ring/ Chain**;
4. HRODC Postgraduate Training Institute's **Leather Conference (Computer – Phone) Bag** – Black or Brown;
5. HRODC Postgraduate Training Institute's **8GB USB Flash Memory Drive**, with Course Material;
6. HRODC Postgraduate Training Institute's **Metal Pen**;
7. HRODC Postgraduate Training Institute's **Polo Shirt**.

**\*\*Please see product images, as a separate file - Complimentary Products For Students and Delegates, from HRODC Postgraduate Training Institute.\*\***

**Daily Schedule:** 9:30 to 4:30 pm.

**Location:** **Central London and International Locations**

## **Oil and Gas Operation for Non-Technical Staff – Incorporating Oil and Gas Safety**

### **Leading to Diploma-Postgraduate in Oil and Gas Operation**

#### **Course Objectives**

By the conclusion of the specified learning and development activities, delegates will be able to:

- Be familiar and gain notable understanding on the different oil and gas concepts;
- Determine the importance of 3D and 4D seismic in locating oil and gas reserves;
- Understand the basic of joint venture contract;
- Differentiate upstream, midstream and downstream oil and gas industry;
- Identify what constitute horizontal, vertical and full integration activities;
- Know the procedures involved in oil and gas exploration and production;
- Enumerate the different downstream activities;
- Specify the advantages and disadvantages of exploring vertical integration;
- Ascertain the factors favouring horizontal integration;
- Establish the governing policy among the parties in oil well lease;
- Describe the nature of long-term explicit contracts;
- Learn the basic of franchise agreement in the oil and gas sector;
- Realise the importance of joint ventures in the oil and gas exploration and production;
- Explain the rules on co-allocation of facilities;
- Understand the underlying concepts of implicit contract;
- Learn some techniques in conducting geological research and oil exploration;
- Discover the basic of drilling and mining operation;
- Distinguish natural and artificial lifts in the oil and gas production;
- Explain the principles of gas processing;
- Differentiate between Successful Efforts (SE) and Full Cost (FC) Accounting;

- Discover how oil and gas are marketed;
- Discuss the oil and gas production separator principles;
- Explain “Amine Sweetening” and “Glycol Dehydration” principles;
- Discuss the principle of Emulsion and Vertical Heater Treater;
- Learn the basic of health and safety in the oil and gas industry;
- Categorise fatal or major injuries;
- Identify the different types of accidents;
- Discover the applicable rule for over-three-day injuries to offshore workers;
- Name the different institutions and their corresponding regulations for the health and safety of workers;
- Specify the functions of safety release valves and ruptured disc;
- Explain how Pressure Safety Valve (PSV) are operated and tested;
- Be familiar with gas well blowouts;
- Discuss the principle of Hydrogen Sulfide in relation to worker's safety;
- Exhibit their familiarity with Blow-Out Preventers (BOP);
- Demonstrate their ability to recognise the new generation BOPs;
- Suggest a realistic way of dealing with BOP's malfunctioning;
- Analyse the context within which the BP – Gulf of Mexico Disaster took place..

## **Course Contents, Concepts and Issues**

### **Part 1 -Upstream Oil and Gas Operation: Discovery, Leasing, Testing and Associated Costs(1)**

- Introducing the Oil and Gas Industry;
- Brief History of the U.S. Oil and Gas Industry;
- Origin of Petroleum;
- Anticline;
- Exploration Methods and Procedures;
- 3-D Seismic;
- 4-D Seismic.
- Acquisition of Mineral Interests in Property (1):

## **Part 2 - Upstream Oil and Gas Operation: Discovery, Leasing, Testing and Associated Costs (2)**

- Acquisition of Mineral Interests in Property (12):
- Oil, Gas and Mineral Lease Provisions:

## **Part 3: Oil and Gas Drilling Operation (1)**

- Oil and Gas Drilling Operations;
- Bottom-Hole Pressure;
- Bottom-Hole Pump;

## **Part 4: Oil and Gas Drilling Operation (2)**

- Proved Area;
- Drill Stem Test;
- Derek and Derek Hands;
- Cracking;

## **Part 5: Oil and Gas Drilling Operation (3)**

- Stratigraphic Test Well or Exploratory Well;
- Service Well;
- Dry Hole;
- Dual Completion;

## **Part 6: Oil and Gas Safety**

- HSE Offshore Statistics:
- Oil and Gas Industry Safety Regimes/ Institutions and Their Safety Regulation and Monitoring System:
- Safety Relief Valves and Rupture Discs;

## **Service Contract, incorporating Terms and Conditions**

[Click, or copy and paste the URL, below, into your Web Browser, to view our Service Contract, incorporating Terms and Conditions.](#)

<https://www.hrodc.com/Service Contract Terms and Conditions Service Details Delivery Point Period Cancellations Extenuating Circumstances Payment Protocol Location.htm>

The submission of our application form or otherwise registration by of the submission of a course booking form or e-mail booking request is an attestation of the candidate's subscription to our Policy Terms and Conditions, which are legally binding.

**Prof. Dr. R. B. Crawford - Director HRODC Postgraduate Training Institute**