NEBOSH ITC Oil & Gas Operational Safety

Syllabus Summary

Industrial Strength Training Courses

nebosh
Accredited Centre
946

2016 Course Dates

8th - 12th February
(Revision Day 18th Feb - Exam 19th February)

25th - 29th April
(Revision Day 5th May - Exam 6th May)

18th -22nd July
(Revision Day 28th July - Exam 29th July)

10th - 14th October
(Revision Day 20th October - Exam 21st October)

Contents

Structure

The syllabus consists of one unit.

The unit is divided into a number of elements:

#	Element Title	Recommended Tuition Time
1	Health, Safety And Environmental Management In Context	12
2	Hydrocarbon Process Safety 1	8
3	Hydrocarbon Process Safety 2	8
4	Fire Protection And Emergency Response	4
5	Logistics and Transport Operations	2

- Minimum total tuition time for IOG1 34 Hours
- Recommended private study time 20 Hours

1. Element 1: Health, Safety and Environmental Management in Context

Learning Outcomes

On completion of this element, candidates should be able to demonstrate understanding of the content through the application of knowledge to familiar and unfamiliar situations. In particular they should be able to:

1.1. Explain the purpose of and procedures for investigating incidents and how the lessons learnt can be used to improve health and safety in the oil and gas industries.

1.2. Explain the hazards inherent in oil and gas arising from the extraction, storage, and processing of raw materials and products.

1.3. Outline the risk management techniques used in the oil and gas industries.

1.4. Explain the purpose and content of an organisation's documented evidence to provide a convincing and valid argument that a system is adequately safe in the oil and gas industries.

Recommended tuition time not less than 12 hours

2. Element 2: Hydrocarbon Process Safety 1

Learning outcomes

On completion of this element, candidates should be able to demonstrate understanding of the content through the application of knowledge to familiar and unfamiliar situations. In particular they should be able to:

2.1. Explain the principles of assessing and managing contractors, including the roles of parties involved.

2.2. Outline the tools, standards, measurement, competency requirements and controls applicable to Process Safety Management (PSM) in the oil and gas industries.

2.3. Explain the role and purpose of a permit-to-work system.

2.4. Explain the key principles of safe shift handover.

2.5. Explain the importance of safe plant operation and maintenance of hydrocarbon containing equipment and processes.

2.6. Outline the hazards, risks and controls to ensure safe start up and shut down of hydrocarbon containing equipment and processes.

Recommended tuition time not less than 8 hours

3. Element 3: Hydrocarbon Process Safety 2

Learning outcomes

On completion of this element, candidates should be able to demonstrate understanding of the content through the application of knowledge to familiar and unfamiliar situations. In particular they should be able to:

3.1. Outline types of failure modes that may lead to loss of containment from hydrocarbon.

3.2. Outline types of failures that may lead to loss of containment from hydrocarbon.

3.3. Outline the controls available to maintain safety critical equipment.

3.4. Outline the hazards, risks and controls available for safe containment of hydrocarbons offshore and onshore.

3.5. Outline the fire hazards, risks and controls relating to hydrocarbons.

3.6. Outline the hazards, risks and controls available for operating boilers and furnaces.

Recommended tuition time not less than 8 hours

4. Element 4: Fire Protection and Emergency Response

Learning outcomes

On completion of this element, candidates should be able to demonstrate understanding of the content through the application of knowledge to familiar and unfamiliar situations. In particular they should be able to:

4.1. Outline appropriate control measures to minimise the effects of fire and explosion in the oil and gas industries.

4.2. Outline the principles, procedures and resources for effective emergency response.

Recommended tuition time not less than 4 hours

5. Element 5: Logistics and Transport Operations

Learning outcomes

On completion of this element, candidates should be able to demonstrate understanding of the content through the application of knowledge to familiar and unfamiliar situations. In particular they should be able to:

5.1. Identify the main hazards of and suitable controls for marine transport in the oil and gas industries.

5.2. Identify the main hazards of and suitable controls for land transport in the oil and gas industries.

Recommended tuition time not less than 2 hours

6. Unit Assessment Summary

The Unit is a taught unit assessed by one two-hour written examination. The written examination consists of ten 'short-answer' questions and one 'long-answer' question. All questions are compulsory. Candidate scripts are marked by external examiners appointed by NEBOSH.

This page intentionally blank

Registered Office:

Reynolds Training Services Ltd.,

HCF CATCH
Redwood Park Estate
Stallingborough

North East Lincolnshire

DN41 8TH
A Company Registered in England – Registration Number: 6880807

For further information contact:

Email: Admin@reynoldstraining.com

Telephone: 01469 552846