



ESTC ACADEMY

COURSE OUTLINE FIRE FIGHTING

Module One: Introduction

Time Allocation: 30 mins

Module Terminal Objectives:

Upon completion of the module, participants should be able to:

- Understand ESTC's site emergency plan and procedure
- Demonstrate personal safety and occupational health awareness for the duration of the course
- Comply with ESTC's rules of personal and professional behaviour
- Understand the course schedule, overview of modules and learning expectations

Module Enabling Objective(s):

Upon completion of the module, the participants should be able to:

- Demonstrate understanding of ESTC's site emergency plan and procedure by successfully passing a short written test with a score of 100%.

Delivery Methods:

Lecture format

Topics:

ESTC's site emergency plan procedure
Personal safety and occupational health awareness
ESTC's rules of personal and professional behaviour

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Module Two: Safety culture

Time Allocation: 30 mins

Module Terminal Objectives:

Upon completion of the module, the participants should be able to:

- Understand the importance of safety in the oil & gas industry (knowledge)
- Understand the importance of safety at the worksite (knowledge)
- Understand the importance of safety culture in accident prevention (knowledge)
- Know the HSE house rules (knowledge)

Module Enabling Objective(s):

Upon completion of the module, the participants should be able to: -

- Understand the importance of safety culture in preventing accident at the workplace by successfully passing a short written test with a score of 100%.

Delivery Methods:

Lecture format
Classroom activity

Topics:

Safety in oil and gas industry
Worksite safety
Why is safety culture important in accident prevention?
What is safety culture?
HSE house rules



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Module Three: Theory of combustion and basic fire fighting appliances

Time Allocation: 90 Mins

Module terminal objectives:

Upon completion of the module, the participants should be able to:

- Understand basic causes of fire and methods of controlling / extinguishing (Knowledge)
- Know the different types of basic fire fighting appliances & their uses. (Knowledge)

Module Enabling Objective(s):

Upon completion of the module, the participants should be able to:

- Know the basic fire principles, protection & extinguishing systems by successfully passing a short written test with a score of 80%.

Delivery Methods:

Lecture format
Classroom activity
Practical format

Topics:

- Triangle of fire
- Classifications of fire
- Means of fire spread
- Methods of extinguishment
- Types of portable fire extinguishers

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Module Four: Fire fighting appliances

Time Allocation: 45 Mins

Module Terminal Objectives:

Upon completion of the module, the participants should be able to:

- Know the different types of fire fighting appliances commonly used. (Knowledge)
- Know the types of extinguishing agents and their applications. (Knowledge)

Module Enabling Objective(s):

Upon completion of the module, the participants should be able to:

- Know how to use fire-fighting appliances, extinguishing agents and their applications by successfully passing a short written test with a score of 80%.

Delivery Methods:

Lecture format
Classroom activity
Practical format

Topics:

- Types of hoses, branches and their uses
- Types of foam compound and their application
- Types of foam making equipment & their uses