



## FIRE FIGHTING Level 2 / ADVANCED FIRE

SAQA US: 12484

NQF Level: 2

SAQA Credits: 4

SAIOSH CPD Credits: 5

Duration: 2 Days

### Course description

The Fire Fighting Level 2 / Advanced Fire fighting course is intended for individuals who need advanced training in firefighting and emergency response. This course provides participants with extensive knowledge and practical skills for responding to fires, conducting complex firefighting operations, and ensuring the safety of individuals and property.

### Course outcome

The course aims to provide participants with advanced skills and knowledge in fire prevention, detection, and response.

Students will be able to:

- Understanding advanced firefighting techniques and strategies.
- Effectively using firefighting equipment and protective gear.
- Conducting risk assessments and implementing fire prevention measures.
- Coordinating emergency response efforts in the event of a fire.
- Enhancing knowledge of fire behaviour and dynamics.

### Course content

#### MODULE 1: HOW A FIRE GETS STARTED

- 1.1 The definition of fire and what fire is.
- 1.2 The chemistry of combustion.
- 1.3 The influence of density of fuel on combustion.
- 1.4 The role of oxygen in a fire.
- 1.5 The 'special' fires related to the industry.
- 1.6 The components of the triangle of combustion.
- 1.7 The role of heat in a fire.
- 1.8 The heat sources in the workplace / home.
- 1.9 The Conditions of a fire you can expect.

#### MODULE 2: EXTINGUISHING AIDS AND THEIR APPLICATIONS

- 2.1 The different types of fire extinguishing.
- 2.2 How to operate a fire extinguisher.
- 2.3 Fire hoses.
  - 2.3.1 How to operate a Fire Hose.
- 2.4 Fire Buckets.
  - 2.4.1 Fire Blankets.
  - 2.4.2 Personal Protective Equipment (PPE).
  - 2.4.3 Hose and Hydrant drills.
  - 2.4.4 Connecting the hose to hydrant.
  - 2.4.5 Connecting a length of hose.
  - 2.4.6 Disconnecting a hose.
  - 2.4.7 The lead firefighting position.
  - 2.4.8 The assistant's position.
- 2.5 The different extinguishing methods.
- 2.6 The need to service and recharge equipment.
- 2.7 Where to find the extinguishing equipment in the workplace.
- 2.8 Identify which equipment to use for which class of fire.

#### MODULE 3: PREVENTING FIRES AT HOME AND AT WORK

- 3.1 Different ways in which a fire can spread.
- 3.2 Hazards created by spills.

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- 3.3 Which hazardous liquids should be stored separately.
- 3.4 Why are certain areas demarcated.
- 3.5 Housekeeping can create hazardous situations.
- 3.6 The consequences of a fire in the workplace.
- 3.7 Why the need to maintain electrical equipment.
- 3.8 Identify and eliminate fire hazards at home and in the workplace.

#### **MODULE 4: FIRE SAFETY**

- 4.1 What is fire safety.
- 4.2 The importance of ensuring fire escape routes are safe.
- 4.3 Poor housekeeping restricts free access to fire equipment.
- 4.4 Which measures can be taken to ensure fire safety including fire doors, sprinkler systems, and alarm systems.

#### **MODULE 5: EXTINGUISHING A FIRE**

- 5.1 Procedures used for different types of extinguishing equipment.
- 5.2 Selecting correct firefighting equipment.
- 5.3 Extinguishing a fire.
- 5.4 Fighting the fire.
- 5.5 Procedure after the fire.
- 5.6 Handing over to the emergency services.

#### **MODULE 6: SURVIVING WHEN CAUGHT IN A FIRE**

- 6.1 Know the basic rules for combating a fire.
- 6.2 Know why you should not open a door without feeling the heat first.
- 6.3 Understand why doors and windows should be closed.
- 6.4 Know the basic rules when trapped in a fire.
- 6.5 Be able to move through smoke.

#### **MODULE 7: EVACUATING IN AN EMERGENCY**

- 7.1 Know the company's emergency evacuation procedures.
- 7.2 Know what should be indicated on a floor plan.
- 7.3 Know where to find the emergency floor plan.

#### **MODULE 8: REPORTING A FIRE**

- 8.1 Know the Company's reporting procedure.
- 8.2 Know where to find all emergency numbers.
- 8.3 Know which information is required when reporting a fire.
- 8.4 Be able to complete the relevant company forms.

#### **THEORETICAL ASSESSMENT**

Formative Assessment (Open book test)  
Summative Assessment (Closed book test)

#### **PRACTICAL ASSESSMENT**

Onsite practical assessment in the correct use of fire extinguishers, fire hoses & fire hydrants.  
Practical demonstration on fire and evacuation drills.  
The organising of a fire team along with evacuation procedures.

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