

COURSE OUTLINE

Perform Basic Fire Fighting

Unit Standard No.: 12484

2

NQF Level

4

Credits

1

Day Course

Course Contents

1. Fire Prevention and Protection

- Fire Fighting Strategy
- Fire Fighting Teams
- Some rules for preventing fire
- Check equipment

2. Fire fighting and safety equipment

- Fire Fighting Equipment includes
- Safety equipment includes

3. Problems that may cause fires and hamper fire control

- Chemistry of fire
- Chemical reaction

4. Rules of the fire fighter

- If a fire has been burning for a long time
- When you make that important Emergency Call
- The Three "B's"

5. Prepare for an emergency

- Employers should
- Employees should
- Emergency evacuation and Fire Fighting signs

6. Emergency procedures

- The Building Warden
- The Floor Wardens
- The Maintenance Superintendent
- The Security Staff on activation of the fire alarm
- The Telephone Switchboard Operator

7. Evacuation procedures

- Emergency management committee
- Floor wardens
- Fire fighting teams

- First aid team
- Evacuation team
- Monitoring team
- Guidelines for the emergency plan
- If a fire occurs
- How to alert the Emergency Services
- The emergency scene
- Formative Assessment 1: Procedures

8. Spread of fire and heat radiation

- How fires behave
- Flames spreading over a surface
- Falling objects
- General sources of ignition
- Electricity
- Surfaces may become hot because of the following:
 - *Open flames*
 - *Rubbish bins*
 - *Dust as a fire and explosive hazard*

9. Classification of fires

- Fire-Extinguishing Mediums
- Water
- Dry Powder (smothering)
- Foam (smothering and cooling)
- CO² (smothering, quenching and cooling)
- Formative Assessment 2: Types of fire

10. Equipment for extinguishing fires

- Portable Extinguishers
- Activating the Extinguisher:
- Fire Hose Reels
- Fire Hydrants
- General guidelines for the placing of fire extinguishers

11. Methods of extinguishing a fire

- Starvation
- Smothering
- Cooling

12. Fire development

- Spread of fire
- Ignition
- Stages of fire development in a compartment
- Flashover
- Fully Developed
- Decay
- Factors That Affect Fire Development
- Special Considerations
- Fire monitoring
- Formative Assessment 4: Procedures
- Attacking a fire

13. Contain and/or extinguish a fire

- Formative Assessment 5: Fight Fires

14. Secure the scene of the fire/incident

- Vital requirements

15. Carry out an inspection

- Evidence can be categorised into four general categories

16. Legal reporting requirements

- The Compensation for Occupational Injuries and Diseases Act, 130 of 1993 (COIDA)
- Occupational Health and Safety act 85, 1993 73
- Inspection forms and procedures
- Formative Assessment 6: Reporting

