



Electrical and Fire Safety at Work

INSTITUTE FOR PROFESSIONAL AND EXECUTIVE DEVELOPMENT

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UNIT SPECIFICATION



Designed in England,
United Kingdom

Unit Title

Electrical and Fire Safety at Work

Credit value

The credit value for this unit is 30

30 credits equivalent to 300 hours of teaching and learning
(10 hours is equivalent to 1 credit)

Guided learning hours (GLH) = 50 hours

GLH includes lectures, tutorials and supervised study. This may vary to suit the needs and requirements of the learner and/or the approved centre of study.

Directed learning = 50 hours: This includes advance reading and preparation, group study, and undertaking research tasks.

Self-managed learning = 200 hours: This includes completing assignments and working through the core and additional reading texts. It also includes personal research reading via other physical and/or electronic resources.

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Learning outcomes

Upon successfully completing the course, the learner will understand the following:

- Primary hazards associated with the use of electricity at work
- Secondary hazards associated with the use of electricity at work
- Sources of high risks associated with the use of electricity
- Training, Management System and Safe Systems of Work
- Types of protective systems and techniques that may be used to protect people, plant and premises from electrical hazards
- Inspection and maintenance of electrical equipment
- Basic principles of fire
- Classification of fire
- Fire risk assessment
- Principles of preventing fire and its spread
- Risk assessment of dangerous substances
- Control measures that should be applied to dangerous substances
- Storage of dangerous substances
- Fire protection in buildings
- Fire detection and alarm systems
- Main methods of extinguishing fires
- Main extinguishing media
- Maintenance of fire alarm and firefighting equipment
- Workplace evacuation
- Evacuation procedures and emergency plans

Recommended learning resources

Indicative reading	Contact IPED
Study manual	<ul style="list-style-type: none">• A comprehensive IPED study material is available to aid in learning and research of this unit.• We supply IPED course materials free of charge. Our study materials, which offer quick learning start, are comprehensive, use simple English, and are easy to read and understand. The contents are so sufficient and self-explanatory; that in majority of cases readers do not require further support; although support is always available when you need it.