



Environmental Management Certificate



Syllabus Guide

Astutis.

Environmental Management Certificate

The course consists of 2 modules which are assessed via an open book exam and a practical assessment

Units

Unit EMC1: Environmental management

Unit EMC2: Assessing environmental aspects and associated impacts

Overall Learning Outcomes

The learner will be able to:

- Justify environmental management in the workplace using ethical, legal and financial arguments, linking these to wider environmental issues including sustainable development
- Recognise workplace activities which may be subject to environmental legislation or enforcement
- Understand the requirements of, and work within, an environmental management system, whilst contributing to continual improvement
- Assess environmental aspects and associated impacts, determining significant aspects and evaluating current controls
- Support environmental emergency planning
- Understand the importance of reducing environmental harm; identify sources of noise, air, and water pollution; and suggest suitable control measures
- Understand the issues associated with waste and support responsible waste management.
- Understand the benefits and limitations of a range of energy sources, and suggest suitable measures to increase energy efficiency



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Full course syllabus

Unit EMC1: Environmental Management

Element 1: Foundations in environmental management

- 1.1 The scope and nature of environmental management
- 1.2 The ethical, legal, and financial reasons for maintaining and promoting environmental management
- 1.3 Supporting sustainable development
- 1.4 The role of national governments and international bodies in formulating a framework for the regulation of environmental management

Element 2: Environmental management systems

- 2.1 Reasons for implementing an environmental management system (EMS)
- 2.2 The key features and appropriate content of an effective EMS
- 2.3 Benefits and limitations of introducing a formal EMS into the workplace

Element 3: Assessing environmental aspects and impacts

- 3.1 Reasons for carrying out environmental aspect and impact assessments
- 3.2 Types of environmental impact
- 3.3 Nature and key sources of environmental information
- 3.4 Identification of environmental aspects and associated impacts

Element 4: Planning for and dealing with environmental emergencies

- 4.1 The importance of environmental emergency planning
- 4.2 Emergency preparedness

Element 5: Control of emissions to air

- 5.1 Air quality standards
- 5.2 Main types of emissions to atmosphere
- 5.3 Control measures to reduce emissions

Element 6: Control of environmental noise

- 6.1 Sources and effects of environmental noise
- 6.2 Methods for the control of environmental noise

Element 7: Control of contamination of water sources

- 7.1 Importance of the quality of water for life
- 7.2 Main sources of water pollution
- 7.3 Main control measures that are available to reduce contamination of water sources

Element 8: Control of waste and land use

- 8.1 Waste types
- 8.2 Minimising waste
- 8.3 Managing waste
- 8.4 Outlets available for waste
- 8.5 Risks associated with contaminated land



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Element 9: Sources and use of energy and energy efficiency

- 9.1 Use of fossil fuels
- 9.2 Renewable sources of energy
- 9.3 Energy efficiency

Course Assessment

Unit EMC1: Environmental management: Open book examination

Unit EMC2: Assessing environmental aspects and associated impacts



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