

ABI 7010 – CERTIFICATE IN CONSTRUCTION HEALTH AND SAFETY ©



COURSE OVERVIEW

This course has been designed to provide students with the knowledge and skills required to manage construction health and safety risks. The course would also support OSH practitioners who may require additional information on construction health and safety management. It would also provide information for training and additional references within the workplace, provide guidance to those sitting for the ABIOSH International Certificate in Construction Health and Safety Management award.

It was developed using modern approaches and techniques in managing risks on construction projects and it applies best practices, international legislations and appropriate global standards which addresses construction activities. It goes beyond compliance and ensures practitioners can make reasonable sound judgements on the management of risks within the sector that will surpass the minimum standards as required by law.

PRE-REQUISITE

There is no Pre-requisite to this course

DURATION 3 Weeks

TARGET AUDIENCE

ELEMENT 1 – Introduction to the construction industry

Learning outcomes

- Students will have a good understanding of the construction industry
- Health and safety records
- Regulators health and safety expectations
- Explain health and safety definitions used in the construction industry
- Understand the scope and definition of construction
- Outline obstacles to the achievement of good health and safety standards in the industry

Guided learning hours 4

ELEMENT 2 – Construction management and regulations

Learning outcomes

- Students will have a good understanding of construction H&S management
- Students should be able to
 - Explain the role of national governments
 - Explain the role of international organisations in promoting H&S in the industry
- Outline specific issues relating to the construction industry
- Explain the legal, financial and moral reasons for H&S management
- Explain the responsibilities of various duty holders under CDM2007 and specific local laws
- Explain the application of pre-construction H&S information
- Construction phase H&S plan
- Health and safety file and method statement in construction management

Guided learning hours 16

ELEMENT 3 – Understanding your health and safety responsibilities

Learning outcomes

- Students should be able to state the demand of the law and how the legal system works
- Outline the general duties of employers, employees and other duty holders under local and international laws
- Explain the legal system in own country of residence
- Differentiate between criminal law and civil law
- Explain the levels of statutory duties

Guided learning hours 4

ELEMENT 4 -Health and safety management systems

Learning outcomes

- Students should be able to demonstrate their understanding of the framework for H&S management
- Outline national and international standards for effective H&S management
- Outline the key elements of a H&S management system
- Explain the main components of a H&S management system

Guided learning hours 8

ELEMENT 5 -Risk management and control techniques on construction sites

Learning outcomes

- Students should be able to demonstrate an understanding of the various techniques for H&S risk management and control measures
- Identify common hazards present on a construction site
- Outline the steps in conducting risk assessments
- Explain the hazards and control measures for working at height
- Explain the hazards and control measures for excavation work and confined spaces
- Explain the hazards and control measures for demolition and deconstruction
- Explain musculoskeletal hazards and risk control
- Outline work equipment –
 - Electrical
 - Fire
 - Chemical and biological health hazards and risk control
- Explain the physical and psychological health hazards and risk control
- Explain the principle of control

Guided learning hours 32

ELEMENT 6 – Common construction tools and equipment

Learning outcomes

- Students should be able to demonstrate a good understanding of the basic tools, plants and equipment used on construction sites
- Their associated hazards and control measures
- Identify construction tools and equipment
- Explain the standards and requirements for tools, plants and equipment
- Explain the hazards and control measures when working with tools, plants and equipment
- Maintenance and inspection of tools, plants and equipment

Guided learning hours 12

ELEMENT 7 – Site traffic management

Learning outcomes

- Students should be able to develop a good site traffic management plan and implement it on a construction site
- Explain the hazards associated with the movement of pedestrians and vehicles on a construction site and the relevant control measures to reduce the risks
- Outline factors relating to driving at work that increases the risk of an incident and the control measures required to reduce work related driving risks
- Explain basic traffic signs and symbols

Guided learning hours 6

ELEMENT 8 -Site waste management

Learning outcomes

- Students will have a good understanding of how to cut down on environmental impacts
- Describe what is meant by the "environment" and give the definitions of pollution and waste
- Identify different types of waste including examples of industrial waste streams which contribute to air, land and water pollution
- Explain the impact of industry on the environment
- Outline the hierarchy of waste and pollution control
- Explain the main elements of an environmental management system
- Explain how businesses can help to reduce pollution and waste

Guided learning hours 6

ELEMENT 9 – Incident and accident investigation, recording and reporting

Learning outcomes

- Students should be able to have a good understanding of how to cut down on environmental impacts
- Give the definition of the terms "accident / incident and near miss"
- Explain the reasons for incident/accident investigation
- Explain the legal requirements for recording and reporting incidents
- Outline the basic elements to a sound investigation
- Explain investigation interview techniques
- Develop an investigation report

Guided learning hours 14

EXAM

PROJECT – students are to carry out a practical assessment of their own workplace which involves safety monitoring of a construction site together with a risk assessment and the production of a formal report.

Once completed this should enable the student to;

1. Produce inspection reports at their workplace for management consideration
2. Apply what has been learnt in other parts of the course into practice
3. Produce a suitable and sufficient risk assessment
4. Develop the skills and knowledge required to manage health and safety risks in a construction environment

This project **must be completed within 2 weeks of the written exam**