

ABI7010 – ABIOSH International Certificate in Construction Health & Safety ©



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

The Construction course was developed using modern approach and techniques in managing risk on construction projects. It applies best practices, international legislations and applicable global standards in addressing construction activities. The course goes beyond compliance but how Practitioners can make reasonable sound judgement on management of risks within this sector that surpasses minimum standards as required by law.

Title Minimum Presentation (hours)

Part 1: Introduction to Construction industry 4

Part 2: Construction Management and Regulations 16

Part 3: Understanding your health and safety responsibilities 4

Part 4: Health and Safety Management System 8

Part 5: Risk Management and Control Techniques on Construction sites 32

Part 6: Common Construction Tools and Equipment 12

Part 7: Site Traffic Management 6

Part 8: Site Waste Management 6

Part 9: Incident and accident investigation, recording and reporting 14

Part 10: ABIOSH International construction health and safety practical application Completed within 2 weeks of completion of examination

Part 1: Introduction to Construction industry

Learning Outcomes

Once this part has been completed, learners should be able have a good understanding of the construction industry health and safety records and regulators health and safety expectation. In particular, learners should be able to:

Explain some basic health and safety definitions used in the construction industry

Understand the scope and definition of construction

Outline the obstacles to the achievement of good health and safety standards in the construction industry

Part 2: Construction Management and Regulations

Learning Outcomes

Once this part has been completed, learners should be able have a good understanding of construction health and safety management. In particular, learners should be able to:

Explain the role of national governments and international organisations in promoting health and safety in the construction industry

Outline specific issues relating to the construction industry

Explain the legal, financial and moral reasons for health and safety management

Explain the responsibilities of various duty holders under CDM 2007 and specific local laws

Explain the application of pre-construction health and safety information, construction phase health and safety plan, health and safety file and method statement in construction management.

Part 3: Understanding your health and safety responsibilities

Learning Outcomes

On completion of this part, learners should be able to state the demand of the law and how the legal system works. In particular, learners should be able to:

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.

Part 4: Health and Safety Management System

Learning Outcomes On completion of this part, learners should be able to demonstrate understanding of the framework for health and safety management. In particular they should be able to:

Outline National and International standards for effective health and safety management

Outline the key elements of a health and safety management system.

Explain the main components of a health and safety management system.

Part 5: Risk Management and Control Techniques on Construction sites

Once this part is completed, learners should be able to demonstrate an understanding of the various techniques for health and safety risk management on a construction site and possible control measures. Above all, learners should be able to:

Identify common hazards present on a construction site

Outline the steps in conducting a risk assessment

Explain the hazards and control measures for Working at height, Excavation work and confined spaces, 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

Part 6: Common Construction Tools, Plants and equipment

Once this part is completed, learners should be able to demonstrate a good understanding of the basic tools, Plants and equipment used on construction sites and their associated hazards and control measures. Most of all, learners should be able to:

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

Part 7: Site Traffic Management

Once this part is completed, learners should be able to develop a good site traffic management plan and implement it on a construction site. Most of all, learners should be able to:

Explain the hazards associated with the movement of pedestrians and vehicles in a construction site and the control measures to reduce the risks.

Outline the factors relating to driving at work that increases the risk of an incident and the control

measures to reduce work-related driving risks.

Explain basic traffic signs and symbols

Part 8: Site Waste Management

Once this part is completed, learners should be able to have a good understanding of how to cut down on environmental impacts. Most of all, learners should be able to:

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 contributing 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.

Part 9: Incident and accident investigation, recording and reporting

Once this part is completed, learners should be able to have a good understanding of how to cut down on environmental impacts. Most of all, learners should be able to:

Give the definition of the terms 'accident', 'incident' and 'near miss'.

Explain the reasons for incident/accident investigation

Explain the legal requirement for recording and reporting incidents

Outline the basic elements to a sound investigation

Explain investigation interview techniques

Develop an investigation report

Part 10: ABIOSH International construction health and safety practical application

Learners are to carry out a practical assessment at their own workplace which involves safety monitoring of a construction site together with a Risk Assessment and the production of a formal report. Once this part is completed, learners should be able to:

Produce inspection report at workplace for management consideration

Apply what has been learnt in other part of the course into practice

Produce a suitable and sufficient risk assessment

Developed the skills and knowledge required to manage health and safety risks in a construction environment.