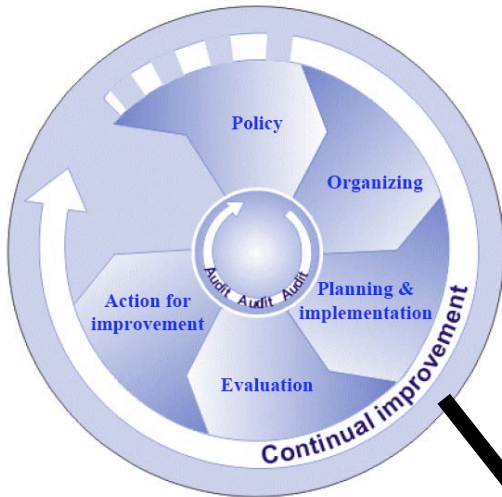


**International Labour Office Training Programmes
Occupational Safety & Health for the Construction Industry**

Construction OS&H

A training course for design and project management teams



**Model
one week
course**

**A systematic programme for improving
procedures and practices
for the benefit of all who participate
in this major and socially important industry**

**“The primary goal of the ILO
today is to promote
opportunities for women and
men to obtain decent and
productive work, in
conditions of freedom, equity,
security and human dignity.”**

(Juan Somavia, ILO Director-General)



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INTRODUCTION TO THE COURSE

PREFACE

“In construction at least 108 000 workers are killed on site every year, that figure represents 30 per cent of all fatal injuries. That is one person dying every five minutes because of bad, and illegal, working conditions. The construction industry has a deservedly notorious reputation as being dirty, difficult and dangerous.

Workers are killed, injured and made sick whilst carrying out routine jobs. The hazards are well known and so are the prevention measures. The overwhelming majority of "accidents" are absolutely predictable and preventable. They are caused by failure to manage risks, or by straightforward negligence on the part of the employer.”

This course is based on the International Labour Organisation (ILO)’s “Decent work for all” programme:

“Work is central to people's well-being. In addition to providing income, work can pave the way for broader social and economic advancement, strengthening individuals, their families and communities. Such progress, however, hinges on work that is decent. Decent work sums up the aspirations of people in their working lives.”

“The primary goal of the ILO today is to promote opportunities for women and men to obtain decent and productive work, in conditions of freedom, equity, security and human dignity.”

The course has been produced by the ILO and Building and Woodworkers International (BWI) working in partnership. The principal authors were Dr Richard Neale, Emeritus Professor of Construction Management, University of Glamorgan, Wales, UK; and Fiona Murie, Director, Occupational Health and Safety, and Construction Coordinator, BWI.

OVERALL AIM

The overall aim of this course is to provide a comprehensive review of the duties and actions of designers and clients’ project management teams which will provide a safe and healthy working environment for all involved in their construction projects, and to persuade those who participate in the course to implement what they have learned when they return to their organisations.

OBJECTIVES

At the end of this course, you should be able to:

- Make a persuasive argument for the active involvement of the designers and project management teams of construction projects in ensuring that all those involved in the project will be in a safe and healthy environment.
- Propose a project management organisation for a given project to ensure that all those involved in the project will be in a safe and healthy environment.
- Draft an Occupational Safety and Health (OS&H) Policy for a specific organisation.
- Draft an outline for a comprehensive OS&H management system for a specific organisation.
- Identify the main hazards and risks for a specific project.
- List the main items for an OS&H Policy for a specific construction project.
- List the main items for an OS&H Plan for a specific project.
- Make an assessment of the ways in which the designs of a specific project may be improved to enhance the OS&H of the construction work of the project.
- Propose the main issues to be covered by OS&H contract clauses for a specific project.
- Write an outline specification for an OS&H management system for a specific project.
- Make a general plan for the layout and welfare facilities for a specific project, reflecting the OS&H aspects of the designs and management of the project.

THE COURSE

The course will be of five days duration. During this time you will receive lectures, participate in discussions and exercises and, at the end, you will apply your knowledge to a real construction project.

You will be given a Handbook at the end of the course, which summarises the course content, to help you to apply the knowledge you have gained on this course in your own organisation.

Modular course structure

This course has a modular structure, in which the modules may be seen as the ‘building blocks’ of the information provided. The modules are listed below.

Modules A-D explain the fundamental issues and principles of project occupational safety and health required by today’s construction industry.

Modules E-H explain OS&H managerial processes and procedures, and how these should be applied to the practical running of a safe and healthy project.

All the modules A-H include explanations about the roles of designers and project managers, and the contribution they can make to good and effective OS&H.

Modules I-L provide some of the technical knowledge that designers and project managers require in order to understand construction operations so that they can design and manage accordingly.

Module M is a major assignment, in which the knowledge gained through modules A-L is applied to a realistic construction project.

All the modules except Module M, Project, are summarised in the Course Handbook.

Module	Time (hours)	Comments
Introduction	2	
A: Fundamental principles	2	Summaries of the module content are provided in the ‘Handbook’, which will be given to each participant at the end of the course.
B: General duties	2	
C: Principles of safe project management	4*	
D: Workers’ perspectives	2	
E: Processes & systems	4	
F: Planning & control for safe OS&H	4	
G: Safe & healthy working environment	2	
H: Welfare & project site	2	
I: Vertical movement	2	
J: Horizontal movement	2	
K: Working at or below ground level	2	
L: Working at height	2	
M: Project	8	
N: Conclusion	2	
Modular total (Hours with the Tutor)	42	*Plus some evening work

EXAMPLE COURSE TIMETABLE – DESIGN & PROJECT MANAGEMENT TEAMS

	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	FIELD WORK	COMMENTS
Session 1 2 hours Morning	Introduction	Principles of safe project management	Planning & control for safe OS&H	Horizontal movement	Project Group work	This Project is based on an actual, live project, which includes a visit and some information gathering	
Session 2 2 hours Morning	Fundamental principles	Workers' perspectives	Planning & control for safe OS&H	Working at or below ground level	Project Group work		
Session 3 2 hours Afternoon	General duties	Processes & systems	Safe & healthy working environment	Working at height	Project Report & discussion		
Session 4 2 hours Afternoon	Principles of safe project management	Processes & systems	Vertical movement	Welfare & project site	Concluding session		
Session 5 1-2 hours Evening	Social event	Rural health centres case study		Introduce Project			Evening work is 'homework'
Operational notes		The case study is self-directed, tutor will not be present					