

Course Name: Certificate in Carpentry – Level 1

Contact Hours: 30 hours

Pre-requisite: Knowledge, skills and methods in Carpentry Construction

Abstract

This course gives the technical subject Carpentry in a language as non-technical as possible. During this course, the trainees will gain knowledge, skills and methods of measurement, reading sketches, assembling frames, paneling, constructing formwork, erecting profiles for blocks and indenting tools and materials.

In order for the trainees to perform effectively and safely in Carpentry, the course content was structured to maximize the contact hours allocated practical work. Currently 75% of the course hands on practical training.

This unit will provide the trainees with the ability to work as carpenters in the construction industry with the instructions of a foreman or supervisor.

Learning will take place through a combination of lectures and laboratory sessions.

Target Audience

This course is geared towards:

- Carpenters
- Trainees
- Building maintenance personnel

Learning Outcomes

On completion of this course, learners will be able to:

- Identify tools and materials
- Measure correctly in Imperial and Metric systems
- Read sketch
- Assemble wooden frames and panels
- Construct formwork
- Dismantle formwork
- Erect profile for blocks

Course Content

1. Identify carpentry tools and its usage with safety requirements

- Selecting right tools for Job/task
- Knowing where to use hand tools and power tools
- Applying proper use and safety requirements to each tool

2. Be able to measure correctly

- Applying Imperial measurements with divisions of the units
- Applying Metric measurements with divisions of the units
- Converting Metric to Imperial

3. Identify Carpentry materials

- Types of material and its use
- Gaining the knowledge of different lengths, width and thickness of materials
- Sizes and types of sheets
- Best material for job/task

4. Understand sketch, framing and paneling

- Read sketch and knowing the difference between top plate and sole plate
- Understanding where partition studs are placed
- Distances between studs in frames
- How paneling is placed on frames

5. Construct and dismantle formwork

- Read sketch and cut components for column and beam
- Construct column and beam
- Understanding how to trace and prop column and beam
- Apply the right method of dismantling column and beam

6. Erect and dismantle profiles

- Select right material for profiles
- Understanding placement of profiles
- Understanding how to brace profiles
- Use right method to dismantle profiles