

Domain

JOINERY AND CABINET MAKING

Title:

Set out and manufacture timber furniture

Level: 2

Credits: 14

Purpose

This unit standard specifies the competencies required to set out and manufacture timber furniture. This includes identifying designs of furniture, select tools and equipment and preparing materials for the construction of furniture, cutting and chiselling materials for manufacturing of furniture, assembling components, and performing finishing.

This unit standard is intended for those who work as joiners and cabinet makers.

Special Notes

1. Entry information:

Prerequisite:

- 1157-*Demonstrate basic knowledge of workplace health and safety* or demonstrated equivalent knowledge and skills.

2. To demonstrate competence, at a minimum, evidence is required of manufacturing the following: chair, table, bed and couch.

3. Tools, equipment and machines to be used may include but are not limited to: circular panel saw, surface planner, thickness planer, spindle moulders, dowel machine, dust extractor, press, radial arm saw, chain and chisel mortiser.

4. Materials may include but are not limited to solid timber, supawood, melamine, plywood, dowels, chip jointers, screws, brackets and nails.

5. Assessment evidence may be collected from a real or simulated workplace in which joinery and cabinet making operations are carried out.

6. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' and company guidelines, instructions, and reasonable flat rate time.

7. Regulations and legislation relevant to this unit standard include the following:

- Labour Act No 11, 2007 as amended;
- SABS 0400, NOSA, Local Authorities Act;
- Occupational Health and Safety Regulations No. 18, 1997 and all subsequent amendments.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Identify designs of furniture

Performance criteria

- 1.1 Types of furniture designs are identified.
- 1.2 Shapes and designs for furniture are identified.
- 1.3 Specifications for furniture are identified.

Element 2: Select tools and equipment and prepare materials for the construction of furniture

Performance criteria

- 2.1 Tools, equipment and materials are identified and selected.
- 2.2 Fittings and accessories are selected according to specifications.
- 2.3 Templates are prepared according to specifications.
- 2.4 Templates are used in the manufacturing process in line with specifications.
- 2.5 Timber is selected for texture and absence of defects.
- 2.6 Cutting list is prepared in line with specifications.

Element 3: Cut and chisel materials for manufacturing of furniture

Performance criteria

- 3.1 Materials are marked off, cut and planed to size in line with specifications.
- 3.2 Mouldings are prepared according to specifications.
- 3.3 Joints are made according to specifications.

Element 4: Assemble components

Performance criteria

- 4.1 Pre-assembling and faults rectification are explained and demonstrated.
- 4.2 Components are assembled to specifications using appropriate fixing, clamping and joining techniques.
- 4.3 Methods of final fitting are explained and demonstrated.

Element 5: Perform finishing

Performance criteria

- 5.1 Finishing materials are identified.
- 5.2 Finishing methods and explained.
- 5.3 Finishing materials and methods are applied according to specifications.

Registration Data

Subfield:	Manufacture
Date first registered:	15 November 2007
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