



Australian Government

Department of Education, Employment and Workplace Relations

LMTFP4002A Make patterns for custom-made footwear

Revision Number: 1

LMTFP4002A Make patterns for custom-made footwear

Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge required to develop patterns for custom-made footwear designs.

Application of the Unit

Application of the Unit

This unit applies to making patterns for custom-made shoes and may involve the selection and modification of existing patterns. Design specifications may be workplace or client initiated. Discretion and judgement is required for both self and others in planning and selecting processes, procedures and outcomes.

The work responsibilities of the patternmaker will vary in scope according to:

- the size of the workplace
- the range of designs and specialisation in the workplace
- workplace quality standards
- degree of autonomy of the patternmaker

Patternmakers may have responsibility for:

- the development of prototypes or toiles
- making samples and testing pattern
- developing the design
- estimating leather and material usage

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling

This unit requires the application of skills associated with planning and organising for safe and effective use of specialised patternmaking technology and operations. This unit also requires an ability to check the quality of outcomes and identify and address problems relating to own work. Initiative and enterprise and problem solving will be used to document patterns to reflect design requirements.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Determine pattern making requirements	1.1 Design requirements are interpreted from design brief 1.2 Design specifications are determined 1.3 Pattern making requirements are clarified
2 Develop patterns for custom made footwear	2.1 Samples of required Materials and footwear components are selected for use in patternmaking 2.2 Patterns specifications are made based on client's measurements and in line with design requirements 2.3 Appropriate techniques needed to prepare pattern are selected to ensure achievement of design 2.4 Patterns are prepared with reference to last construction 2.5 Initial upper design is made on 3D last 2.6 Information is accurately translated from 3D last master to 2D working patterns 2.7 Standard and working patterns of both upper and sole are produced in line with specifications and accepted standards and construction tolerances 2.8 Pattern is reviewed and modifications are made to that accurately reflect selected materials, shoe style and specific client requirements
3 Test pattern	3.1 A mock-up or diagnostic fitting is made with allowance for difference between diagnostic and final materials 3.2 Diagnostic fitting is evaluated and proposed construction and materials are reviewed in line with design and fit

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- principles and concepts of pattern making
- general principles of custom-made footwear design
- cost efficiency in relation to pattern making
- range of typical leathers, fabrics, including weight and other characteristics
- procedures for marker making
- practices for cutting and construction
- safety and environmental aspects of relevant enterprise activities
- workplace procedures and reporting processes
- relevant OHS legislation and codes of practice
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- practices for recording and reporting

Demonstrates skills to:

- undertake the range of activities associated with selecting and modifying existing patterns
- develop the pattern with consideration to the style and characteristics of the shoe
- construct toiles or prototypes
- test patterns and recommend alternative construction methods
- use manual or CAD systems
- maintain records, document and transfer information
- interpret and carry out established procedures
- read, interpret and follow information on work specifications, , standard operating procedures and work instructions and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: • identify and define design lines and features • choose patterns to suit specifications and measurements • modify, check and test patterns • make prototype or toile • identify material requirements to construct footwear • communicate effectively with design team, customers, etc. • apply workplace health and safety policies in work operations • maintain accurate records
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks • identifying improvements • using workplace practices • using OHS practices • recording and reporting accidents and incidents • assessing operational readiness of equipment used and work processes • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions • completing work systematically with attention to detail without damage to goods and equipment
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent Assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Materials may include	• a full range of leathers and other appropriate textiles and materials
Design requirements may include	• budget • timing • costs
Design specifications may include	• production specifications • materials • colours • components
OHS practices	OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may include: • manual handling techniques • standard operating procedures • personal protective equipment • safe materials handling • taking of rest breaks • ergonomic arrangement of workplaces • following marked walkways • safe storage of equipment • housekeeping • reporting accidents and incidents • other OHS practices relevant to the job and enterprise

Unit Sector(s)

Sector Footwear Production