



Australian Government

Department of Education, Employment and Workplace Relations

LMTCL3009B Develop patterns from a block using basic patternmaking principles

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to develop patterns from a block using basic patternmaking principles.

Application of the Unit

Application of the Unit

The unit applies to the development of a variety of pattern styles utilising the basic principles of patternmaking, including dart manipulation and square blocking.

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

Work is conducted according to defined procedures.

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 to develop patterns. Problem solving skills are required to determine and apply suitable patternmaking principles to achieve design requirements and identify any production problems. Communication and numeracy skills are used to interpret and apply pattern specifications and complete required documentation. Self management skills are used to ensure safe use of technology and conformance of own work to quality standards.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite

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 Prepare workstation	1.1 Workstation and seating are set up according to OHS practices and specifications for work. 1.2 Patternmaking tools and equipment are set up ready for use.
2 Select blocks to be used	2.1 Design is analysed to identify appropriate modifications. 2.2 Fabric performance characteristics that may affect garment pattern are identified. 2.3 Pattern development is planned according to quality standards and workplace practices. 2.4 Ease allowances are determined. 2.5 Appropriate block is selected.
3 Apply basic patternmaking principles to develop patterns	3.1 Patternmaking principles are applied in developing patterns according to specifications. 3.2 Methods and formulas used are documented. 3.3 Pattern pieces are checked for accuracy, including seam allowances, ease allowances, seam match, hems and functional openings. 3.4 All pattern pieces are labelled, including grain lines, notches, pattern information and cutting instructions.
4 Test patterns	4.1 A toile is made to test fit and accuracy of pattern. 4.2 Pattern is altered to reflect test fitting outcomes, quality standards and workplace practices. 4.3 Alterations to patterns are documented.
5 Complete work	5.1 Pattern specification sheets are completed and attached to patterns for storage. 5.2 Finished patterns are filed in storage system.

Required Skills and Knowledge

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

Demonstrates knowledge of:

- patternmaking principles and design terminology
- pattern markings
- style features
- fabric performance characteristics
- quality standards and practices
- sequence of operations
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- handle, receive and assemble garments
- draw a basic sketch
- take measurements
- use patternmaking tools
- consistently achieve quality and production output requirements
- 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

Demonstrates skills and knowledge to:

- understand and apply correct pattern and garment terminology
- identify, select and use the appropriate tools and equipment for patternmaking
- select the appropriate block and develop a pattern
- apply the patternmaking principles of square block and dart manipulation in developing patterns according to the specifications and workplace quality standards
- cut out and label pattern pieces accurately
- apply OHS practices in work operations
- maintain accurate records

Consistency in performance

Consistently applies skills and knowledge when:

- organising work
- completing tasks according to instructions
- working systematically with attention to detail
- identifying improvements and avoiding damage
- using workplace practices
- using OHS practices
- recording and reporting accidents and incidents
- assessing operational readiness of equipment
- recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions

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.
OHS practices	OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to: • 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 • environmental practices
Patternmaking tools and equipment may include:	• pattern blocks, scissors, ruler, square rule, marker pens, hole punch, pins, fashion triangle, French curve, pattern notcher, weights, tape measure
Methods and formulas may include:	• deviations from standard patterns • sources of pattern components • pattern derivation methods and formulas • block construction methods and formulas

Unit Sector(s)

Sector Clothing Production