



Australian Government

Department of Education, Employment and Workplace Relations

LMTFD5015B Develop patterns for complex fashion garments

Revision Number: 1

LMTFD5015B Develop patterns for complex fashion garments

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the skills and knowledge to develop patterns for use in the production of complex fashion garments with advanced styling requirements.
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Application of the Unit

Application of the Unit	The unit applies to the development of patterns for complex fashion garments with advanced styling requirements using an existing block and applying principles of patternmaking. Complex fashion garments covered by this unit include garments that require advanced styling such as label house, couture, designer label, made-to-measure, bridal or corsetry production. Work may be conducted in small to large scale enterprises and may involve individual and team-related 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 to develop patterns. Problem solving skills are required to determine and apply suitable patternmaking principles to achieve design requirements and identify any pattern problems. Communication and numeracy skills are used to interpret designs and develop and document pattern specifications. Self management skills are used to ensure safe use of technology and conformance of work to quality standards.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites	LMTCL3009B LMTFD4010B LMTFD4015B
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Employability Skills Information

Employability Skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Prepare pattern workstation	1.1 Workstation and seating are set up according to OHS practices and specifications for work. 1.2 Pattern-making tools and equipment are selected and prepared. 1.3 Any additional materials and equipment required to perform task are collected. 1.4 Patternmaking tools, equipment and supplies are laid out.
2 Analyse garment range	2.1 Garments in range are confirmed. 2.2 Design sketches or drawings and specifications are interpreted and clarified with designer as required. 2.3 Intended purpose of design is established. 2.4 Profile of target market is obtained. 2.5 Designs are evaluated and recorded in relation to specification of fit model, body movement and comfort.
3 Analyse fabrics for garment range	3.1 Fabric characteristics and performance, trims and finishing are considered in relation to the design. 3.2 Any fabrics assessed as not suitable for the design are reported to designer. 3.3 Budget constraints for fashion label range are considered.
4 Select and assess block portfolio	4.1 Pattern production for the design is planned. 4.2 Appropriate block portfolio is determined. 4.3 Blocks for block portfolio are selected and retrieved from storage. 4.4 Blocks are checked for accuracy and appropriateness.
5 Create pattern	5.1 Ease for comfort and appropriateness is calculated in achieving design outcomes. 5.2 Advanced dart manipulation is performed as required. 5.3 Necessary adjustments are made to seams to create silhouette to match design brief. 5.4 Pattern is produced using advanced pattern-making principles. 5.5 Methods and formulas used are documented. 5.6 Pattern pieces are checked for accuracy of seam allowances, seam match, hems and functional openings. 5.7 Pattern pieces are labelled and markings completed.
6 Prepare sample pattern	6.1 Toile or prototype is constructed as appropriate in stages or as a complete garment. 6.2 Toile or prototype is examined and assessed in consultation with designer. 6.3 Pattern problems or faults are identified.

ELEMENT	PERFORMANCE CRITERIA
	6.4 Pattern is altered or adjusted as required to meet design requirements. 6.5 Pattern is finalised and checked to ensure accuracy, completeness and compliance to design requirements.
7 Develop pattern portfolio	7.1 Patterns are prepared for product development and sampling. 7.2 Specification documents are prepared as required. 7.3 Patterns are stored and filed and stored.
8 Maintain records	8.1 Records are maintained and reports prepared, where necessary.

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 patternmaking
- customer and workplace fit requirements
- cost efficiency in relation to patternmaking
- range of typical garment fabrics, including weight and other characteristics
- marker making procedures
- cutting and garment construction
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- consistently achieve quality and production output requirements
- undertake a range of activities associated with creating patterns
- develop patterns with consideration to the characteristics of fabric and trimmings
- construct garment toiles
- test pattern and recommend alternative construction methods
- use manual or CAD systems
- 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: • interpret designs for garment range • analyse fabric for designs • choose appropriate block portfolio to suit work specifications • create, check and test patterns • create toile or prototype • communicate effectively with design team, customers, etc. • apply OHS practices in work operations • develop pattern portfolio • 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.

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
Pattern-making tools and equipment may include:	• scissors • square rule • marker pens • hole punch • pins • fashion triangle • French curve • pattern notcher • weights • tape measure

Garment range may include:

- tailored suits
- eveningwear
- bridal wear
- couture
- trousers
- pants
- suits

- Profile may include:
- corsetry
 - age
 - ethnicity
 - gender
 - size
 - body characteristics
 - economic and social expectations
- Advanced dart manipulation may include:
- moving darts from shoulder seam into armhole, side seam and hem, etc. as required to achieve design outcome

Advanced pattern-making principles include:	• pivoting • square blocking • contouring
Methods and formulas may include:	• deviations from standard patterns • sources of pattern components • pattern derivation methods and formulas • block construction methods and formulas • application of current industry practice
Markings include:	• appropriate seam allowance • notching • pattern information (size, style number, cutting instructions and identity) • darts • drill holes • grain line • cutting line • stitching line
Specification documents may include	information containing some or all of the following: • number of pattern pieces • what the pattern consists of (e.g. 2 bodice, 1 sleeve) • measurement table • size table • technical drawing • details of types of materials (fabric, lining, fusing, elastic, closures and trims) • sign-off • recommendations for stitching

Unit Sector(s)

Sector	Fashion Design and Technology
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