



Australian Government

Department of Education, Employment and Workplace Relations

LMTTD4011A Estimate costs for development of textile designs

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to estimate costs associated with the development and production of textile designs.

Application of the Unit

Application of the Unit The unit applies to cost estimating for development of designs for textile products, including sample 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 primarily requires the application of skills associated with communication in information gathering and performing calculations as well as documenting findings. Problem solving and planning and organising skills are required to identify and analyse the cost components of product production.

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 cost considerations for raw materials	1.1 Product and design specifications are analysed and yarn and other material requirements are determined 1.2 Production requirements are analysed to determine impact on material selection and costs 1.3 Costing factors to be taken into consideration when purchasing materials for textile products are identified and related to production requirements 1.4 Market forces that affect costing for the textiles industry are identified and considered in line with purchasing requirements.
2 Calculate material costs for producing textile products	2.1 Costs of materials for textile sample production are estimated. 2.2 Similar products from different price points within textiles industry are compared and any production differences identified. 2.3 Hidden costs in sample production are identified. 2.4 Differences in costs for sample and bulk production are calculated and compared 2.5 Material cost estimate details for textile production are documented
3 Determine labour costs for producing textile products	3.1 Labour required for textile product production is identified. 3.2 Labour costs for production of sample and bulk production are calculated and compared. 3.3 Different methods of utilising labour in the textile industry are identified and compared 3.4 Labour cost estimate details for textile production are documented
4 Complete cost estimate	4.1 Components of textile industry costing sheets are identified from production specifications and production information. 4.2 Costing sheets for sample or bulk production are developed to meet textile industry standards. 4.3 Costing sheets are checked against production requirements and budget information and completed according to industry standards and OHS practices 4.4 Cost estimates are finalised and communicated with relevant personnel and all documentation completed

Required Skills and Knowledge

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

Demonstrates knowledge of:

- industry standards for costing specifications
- pattern or design terminology
- style features
- quality standards and practices
- sequence of operations
- OHS practices including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- draw trade sketches and drawings
- access industry standards
- 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: • access and interpret information related to production of textiles, including materials and labour costs • identify costing factors, including industry and quality standards • perform calculations • compare and analyse costing information • evaluate information to develop cost estimates in line with requirements • communicate cost estimates to industry professionals and other appropriate personnel
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 and 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.
Other material may include:	• trims • fibres • dyes • other materials required for production
Production requirements may include	• timelines • budget • quality standards • quantity • performance • use of machinery and processes
Costing factors may include:	• variable costs eg materials • fixed costs, eg overheads • profit
Textile products may include:	• tapestries • knitted products • woven products • screen printed products • carpets
Market forces may include:	• market demand for textile products, eg one-offs, samples, large scale production • supply of raw materials • international competition
Costs may include:	• raw materials • printing • machinery and equipment • labour • overheads
Hidden costs may include	• sample textiles not included in costing of bulk production • equipment costs for short runs • labour costs for short runs

- Labour may include
- designers
 - machinists
 - weavers
 - knitters
 - screen printers
 - dyers
 - pattern makers
 - quality controllers
 - quality control
 - packaging
 - marketing and sales
 - transportation
 - machine operators
- Different methods of utilising labour may include
- subcontractors
 - offshore production
- Components may include
- date
 - style/design number
 - dimension
 - extras, eg printing, embroidery
 - labour
 - freight and shipping
 - packaging
 - overheads
 - labels
 - yarn type
 - dye or colour
- 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 Textile Design and Development