



Australian Government

Department of Education, Employment and Workplace Relations

LMTTD5010A Produce computer aided textile design folios

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge required to use computer aided design (CAD) programs to produce textile design folios.

Application of the Unit

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The unit applies to the planning and creation of textile design folio's using CAD programs and equipment to develop and manipulate folio content. Creative and technical skills are applied to the development through to the completion of the folio. Folio requirements are determined in consultation with the client and through analysis of design specifications. The design may be of one's own determination or provided by a client or other source.

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 communication to consult with clients, review and interpret design specifications, determine folio objectives and parameters and document information. Initiative and enterprise, planning and organising and problem solving skills will also be used to determine folio specifications, select programs and equipment, plan layouts, and to apply creative processes to folio development. Knowledge and application of computing technology is central to the planning and production of the folio.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites LMTGN2009A

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 folio objectives	1.1 Consultation with client is undertaken to review the textile design specifications and determine folio requirements 1.2 Purpose of folio is analysed and target audience determined 1.3 Type of digital folio required is determined in line with objectives and audience requirements 1.4 Design themes and styles of textile design are identified and analysed in line with folio objectives 1.5 Preliminary planning is discussed to explore options for content and presentation 1.6 FOLIO OBJECTIVES ARE CONFIRMED AND DOCUMENTED
2 Plan folio presentation	2.1 Folio parameters and specifications are determined and planning processes used according to the needs of the folio 2.2 CAD software, programs and equipment are selected and prepared according to specifications and requirements 2.3 Editing and layout requirements are determined and relevant applications selected 2.4 Folio plan is developed and presentation is confirmed with client or personnel
3 Use electronic tools to create folio	3.1 Design programs and equipment are used to create design folio 3.2 Editing software is applied to edit and manipulate folio content to effectively illustrate features of the textile materials, designs and products 3.3 Design programs and equipment are used in accordance with OHS practices 3.4 Folio is assessed against requirements and objectives and presented to appropriate personnel for review 3.5 Improvements are identified and implemented and folio is finalised 3.6 DESIGN FOLIO IS STORED, ORGANISED AND FILED TO ENABLE RETRIEVAL AS REQUIRED

Required Skills and Knowledge

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

Demonstrates knowledge of:

- relevant OHS legislation, codes of practice, policies and procedures
- principles of design and layout
- CAD and editing software
- equipment and program features
- tools and procedures for editing
- objectives and techniques applied in folio development
- features of textile materials and designs
- quality standards
- workplace practices
- OHS practices including hazard identification and control measures associated with computing use
- practices for documenting and reporting on textile designs

Demonstrates skill to:

- interpret design specifications
- determine folio objectives and specifications
- use CAD and editing software
- produce a folio
- maintain accurate work records in accordance with workplace practices
- carry out work in accordance with OHS policies and procedures
- meet work specifications
- communicate effectively within the workplace
- read, interpret and follow information on job instructions, specifications, standard operating procedures, patterns, charts, tickets, order forms and other applicable reference material
- sequence operations
- clarify and check task related information

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: • consult with client and relevant personnel • determine folio objectives and specifications • select and use appropriate CAD and editing programs and equipment • present features of textile materials and designs using electronic tools • plan, develop and produce a folio in line with objectives and requirements • edit and manipulate folio content • organise, store and maintain folio
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.
Textile designs include	• woven textile designs • knitted textile designs • non woven textile designs • domestic and industrial products
Folio parameters include	• Information relating to: • file size • layout • method or program used to present folio to an audience • folio storage and retrieval needs • web-based folio requirements
Folio specifications include	• Information relating to: • image types and size • text types and size • theme • colour schemes • multimedia content • graphics • animation • audio
Programs and equipment may include	• computer • hardware peripherals such as: • colour scanners • laser or inkjet printers (film output, film separations) • drawing tablets • drawing tablet • data projector • networked file storage and back up devices • digital cameras
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