



Australian Government

MSTTD4007 Analyse textile design influences

Release: 1

MSTTD4007 Analyse textile design influences

Modification History

Release 1. Supersedes and is equivalent to LMTTD4007A Analyse textile design influences

Application

This unit of competency covers the skills and knowledge required to analyse influences on textile design and production.

The unit of competency applies to research and analysis of historical and contemporary influences on textile designs and products and production processes. It includes principles and elements of design and characteristics of colour.

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

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Textile design and development

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify job requirements from specifications, drawings, job sheets or work instructions

2	Analyse key influences on textile designs	2.1	Identify significant historical events that have influenced textile design and analyse their effects
		2.2	Identify significant cultural influences on the development of textile design and analyse their effects
		2.3	Analyse contemporary influences on textile design
		2.4	Identify characteristics represented in textiles
		2.5	Analyse changes to production processes, including the effects of new and emerging technologies on textile designs
3	Identify features of the design process	3.1	Identify steps in responding to a design brief
		3.2	Identify commercial considerations in producing a design
		3.3	Identify elements of design
		3.4	Identify principles of design
4	Source information on textile designs and products	4.1	Identify possible sources of information on textile designs and products and determine means of accessing information
		4.2	Use information gathering tools according to workplace procedures
		4.3	Assess information for reliability to inform design processes
5	Analyse textile construction techniques	5.1	Identify purpose and key features of textile product
		5.2	Describe desired effects of design features
		5.3	Describe production techniques applied to create design features
		5.4	Identify use of production techniques in contemporary designs

6	Identify characteristics of colour and prepare colour chart	6.1	Investigate colour and identify dimensions
		6.2	Identify relationship between value and intensity and paint a colour chart
		6.3	Prepare colour wheel and shade scale according to colour mixing principles
		6.4	Implement colour matching of garment and garment items for production
		6.5	Inspect colour charts or check against quality standards and make any changes or adjustments, as required
		6.6	Complete documentation relating to colour charts
7	Analyse influences on future directions in textiles	7.1	Identify new or emerging textiles and examine features, benefits and likely uses
		7.2	Analyse trends and influences to identify possible changes in textile production and demand
		7.3	Identify and access sources of information relating to future directions and innovations in textile design to maintain currency of industry knowledge
		7.4	Present research information using industry appropriate presentation, communication tools and formats

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures includes one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures (SOPs)
- work instructions
- personal protective equipment (PPE)
- 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
- WHS practices

Design process includes one or more of the following:

- awareness level understanding of the process to respond to a work brief
- researching sources of information
- creating art and design work, including prototypes and first drafts
- using design tools, such as illustrations, software programs and modelling materials
- awareness of commercial concepts, such as:
 - type of production
 - costs
 - timing
 - equipment (available and needed)
 - marketing and sales
 - availability of raw materials and required resources

Tools include one or more of the following:

- audio visual equipment
- computer and web technologies
- telephone
- fax machine

Purpose includes one or more of the following:

- artistic or creative
- decorative
- cultural
- environmental
- functional

- Dimensions of colour include the following:**
- value and tone
 - hue
 - chroma/intensity/clarity/saturation

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTTD4007 Analyse textile design influences

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- identifying the principles and elements of design
- using a variety of different sources, tools and technology to research information on textile design influences
- accessing and evaluating research information from at least six (6) different types of sources
- analysing influences on textile production techniques
- preparing colour charts that support textile design for at least two (2) items or products
- identifying emerging or future directions for textiles, their uses and textile production
- identifying and accessing sources of information relating to future directions and innovations in textile design to maintain currency of industry knowledge
- presenting research information using industry appropriate presentation, communication tools and formats.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- impact of key historical events, cultural influences and contemporary influences
- historical events, such as:
 - wars
 - social change
 - technological developments (e.g. industrial revolution)
 - changes in global manufacturing, design and trade
- cultural influences, such as:
 - weaving of the Pueblo Indians
 - African textiles
 - Indonesian textiles (e.g. Batik and Ikat)
 - tapestries from Scandinavia
 - medieval textiles
 - Indian textiles (e.g. block printing and tie-dying)
- contemporary influences on textiles, such as:
 - invention of new technologies

- innovations in design and production
- contemporary art movements
- fashion trends
- personal influences, such as career development and early influences
- the supply and availability of raw materials
- economic factors related to industry
- climate
- image of certain textiles
- trend patterns of different textiles
- recycling and sustainability
- characteristics represented in textiles, such as:
 - gender
 - nationality
 - religious status or affiliation
 - political status or affiliation
 - social or economic status
 - personal achievements
 - lineage
- textile production processes and impact of changes in technology
- elements of design:
 - line
 - shape and silhouette
 - colour
 - texture
 - value
- principles of design:
 - repetition
 - pattern
 - gradation
 - rhythm
 - radiation
 - harmony
 - contrast
 - dominance
 - proportion
 - balance
 - unity
- sources of information on textiles and textile products
- textile construction and production techniques
- characteristics of colour

- new and emerging textiles and trends in textile design
- research techniques:
 - library
 - internet
 - journals and periodicals
 - books
 - reference manuals
 - television shows
 - documentaries
 - museums
 - galleries
 - workshops or studios
 - textile producers
 - yarn suppliers
 - industry councils or bodies
 - other industry professionals
- industry appropriate presentation media, communication tools and techniques
- communication tools:
 - inspiration board
 - storyboard
 - personal presentation
 - demonstration
 - models
 - samples
 - multimedia tools
 - print and audio tools
 - demonstration or exhibition:
- workplace procedures.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in textile design influences, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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