



Australian Government

MSTAT5004 Manipulate fabrics to create new finishes

Release: 1

MSTAT5004 Manipulate fabrics to create new finishes

Modification History

Release 1. Unit code and Application changed. Prerequisite units removed. Elements and Performance Criteria restructured with Element 1 removed. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Performance Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is not equivalent to MSTFD5005 Manipulate fabrics to create new finishes and MSTTD4010 Apply manipulation techniques to create experimental textile samples.

Application

This unit describes the skills and knowledge required to use manipulation techniques for design effects on textile products.

The unit applies to individuals who experiment with fabric manipulation as part of the design process.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to manipulate fabrics	1.1 Identify potential fabric manipulation techniques relevant to the design context 1.2 Research and identify the effects of manipulation on different textiles 1.3 Identify processes required to achieve different manipulations 1.4 Identify and consider the environmental impacts of fabric manipulation

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Trial manipulation techniques	2.1 Adhere to work health and safety protocols and workplace procedures when trialling manipulation processes and techniques 2.2 Use experimentation to investigate how use of manipulation can inform and inspire better design 2.3 Assess outcomes and modify manipulation to achieve desired effect
3. Produce and illustrate work samples	3.1 Produce samples of manipulated textiles that demonstrate desired effects 3.2 Document techniques used and their effects for future reference

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Writing skills to include factual information in workplace documents.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

No equivalent unit.

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 MSTAT5004 Manipulate fabrics to create new finishes

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- trial and report on at least five of the following manipulation techniques on different fabrics (to collectively include at least two fabrics):
 - 3D printing on fabric
 - applique
 - beading
 - crushing
 - decolourisation
 - dyeing
 - embroidery
 - engraving on leather
 - felting
 - foiling
 - heat application
 - knotting
 - looping
 - pin-tucks/tucks
 - pleating
 - quilting
 - shrinking
 - smocking
 - weaving with fabric.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safety considerations for use of chemicals in fabric manipulation
- the role of fabric manipulation in the design process
- uses and performance characteristics of fabrics and other textiles when subjected to manipulation
- fabric manipulation techniques and their effects, including:
 - 3D printing on fabric
 - applique
 - beading
 - crushing
 - decolourisation
 - dyeing
 - felting
 - foiling
 - embroidery
 - engraving on leather
 - heat application
 - knotting
 - looping
 - pin-tucks/tucks
 - pleating
 - quilting
 - shrinking
 - smocking
 - weaving with fabric
- environmental impact of textile manipulation
- types of information to be documented from the manipulation process.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - information about the design requirements as the basis for manipulation activities
 - fabrics to be manipulated
 - tools and equipment for specific manipulation processes
 - documentation resources.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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