



Australian Government

Assessment Requirements for MSFFDM4008 Investigate materials and technologies for design projects

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed and relevant content moved to Assessment Requirements. Assessment Requirements changed to remove duplication with Performance Criteria and include volume/frequency of evidence. Supersedes and is not equivalent to MSFFDT4011 Research and select furniture materials and technology.

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:

- investigate materials and associated technologies that respond to three different design briefs and which individually or cumulatively involve at least two types of materials, and in doing so:
 - evaluate the variations in costs and quality outcomes associated with different materials and technologies for each of the three design briefs.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of design, their interrelationships and how they are used in materials selection
- how different technologies can be used to achieve design elements, and how materials and technologies interact
- emerging industry technologies and the potential for application to meet a design brief
- production methodologies of furniture (or similar) manufacturers, including suitability of different methods for a range of output volumes
- design techniques for products based on materials selection
- materials used to produce products, including:
 - their specifications, behaviours and limitations
 - wood, plastics, metals and other commonly used materials
- how to structure and present research information and recommendations.

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:

- design briefs
- information technology for research and design presentation.

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

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>