



Australian Government

CUAACD402 Experiment with moulding and casting techniques

Release: 2

CUAACD402 Experiment with moulding and casting techniques

Modification History

Release	Comments
Release 2	This version was released with CUA Creative Arts and Culture Training Package Version 4.1. Minor update to Application statement.
Release 1	This version first released with CUA Creative Arts and Culture Training Package Version 2.0.

Application

This unit describes the skills and knowledge required to develop technical skills in moulding and casting through experimentation.

It applies to individuals working on the design and production of three-dimensional projects in industrial and creative contexts. In the creative industries this includes ceramic artists, glass artists, jewellers, textile artists, sculptors and prop makers.

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

Unit Sector

Visual communication – art, craft and design

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Develop ideas and designs for moulds and casts	1.1 Apply knowledge of different casting and moulding techniques to inform ideas and designs 1.2 Research, adapt and use relevant ideas and approaches from other practitioners considering intellectual property requirements 1.3 Explore ideas and techniques at the same time to strengthen potential outcomes

ELEMENT	PERFORMANCE CRITERIA
	1.4 Consider the market potential, required techniques and access to materials, tools and equipment when developing ideas for work 1.5 Refine and confirm ideas based on experimentation, research and collaboration with others
2. Extend moulding and casting skills	2.1 Evaluate the potential for new approaches to moulding and casting based on capabilities of techniques already used 2.2 Adapt or introduce new materials, tools and equipment to achieve different outcomes 2.3 Extend the capabilities of moulding and casting through experimentation 2.4 Take account of safety and sustainability considerations in the moulding and casting process
3. Make moulds and casts	3.1 Set up or coordinate resources according to safety or other workplace requirements 3.2 Create moulds or casts using techniques and media selected from research and experimentation 3.3 Review and refine ideas and approaches based on ongoing experiences with the production of work 3.4 Use safe and sustainable work practices throughout the production process
4. Evaluate own work	4.1 Reflect on own work in terms of conceptual development and technical execution 4.2 Identify areas for future improvement, especially in terms of own skill development 4.3 Discuss completed work with others and respond positively to feedback

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.2, 2.4	Interprets information from a range of sources to determine appropriate moulding techniques

Oral communication	1.5, 4.3	Uses detailed and clear language to elicit opinions and feedback from others
Numeracy	3.1	Uses simple mathematical formulae to determine resource requirements
Navigate the world of work	1.2, 2.4, 3.1, 3.4	Takes responsibility for compliance with legal, safety and sustainability practices associated with moulding and casting techniques
Interact with others	1.5, 4.2, 4.3	Seeks collaborative relationships with others to discuss own ideas, elicit feedback on completed work and identify skill development opportunities
Get the work done	1.1, 1.3, 1.4, 1.5, 2.1, 2.2, 2.3, 3.2, 3.3, 4.1, 4.2	- Plans and organises requirements for casting production - Uses research, exploration and experimentation to achieve different results and extend skills and experience - Evaluates technical and conceptual outcomes of final work to identify further improvements

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUAACD402 Experiment with moulding and casting techniques (Release 2)	CUAACD402 Experiment with moulding and casting techniques (Release 1)	Updated to include minor update to Application statement.	Equivalent unit

Links

Companion Volumes are available from VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>

Assessment Requirements for CUAACD402 Experiment with moulding and casting techniques

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Performance Evidence

Evidence of the ability to:

- develop ideas and techniques using research and experimentation
- adapt, extend and combine the capabilities of different moulding materials and techniques
- produce finished moulded or cast items that demonstrate a command of techniques using safe and sustainable work practices
- evaluate own work through self-reflection and collaboration with others.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- describe physical properties and capabilities of an extended range of materials and tools used in moulding and casting
- outline characteristics of different materials under different treatments and explain the potential of these characteristics to achieve different effects
- outline research methodologies used by artists
- identify suppliers of moulding and casting resources needed in a professional practice
- explain intellectual property and other relevant legislation to be considered if using or adapting ideas from other practitioners
- outline work health and safety and sustainability considerations for the set-up and operation of moulding and casting work space.

Assessment Conditions

Assessment must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities experienced in creative arts industry environments. The assessment environment must include access to:

- casting and mould-making materials, tools and equipment
- a workspace in which items can be constructed safely
- research tools and information sources
- interaction with relevant people.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational educational and training legislation, frameworks and/or standards.

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