



Australian Government

CUACER502 Investigate ceramic materials and processes

Release: 1

CUACER502 Investigate ceramic materials and processes

Modification History

Release	Comments
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 research and explore a range of ceramic materials and processes to develop an individual professional style.

It applies to highly skilled visual artists who integrate the use of those different materials and processes explored, to realise a body of creative work, which could include functional items or art pieces. They work with a high level of independence seeking mentoring and guidance as required.

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

Unit Sector

Visual communication – ceramics

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. Research ceramic materials and processes	1.1 Research ways that other artists have used different ceramic materials and processes to achieve different effects, and identify intellectual property requirements 1.2 Research physical properties and capabilities of a range of ceramic materials 1.3 Investigate how different materials and ceramic techniques best combine to achieve different technical effects 1.4 Investigate safety issues associated with different materials and processes 1.5 Collate and store safety and technical data to meet safety

ELEMENT	PERFORMANCE CRITERIA
	requirements for ceramic work 1.6 Determine cost and supply issues for different materials
2. Select ceramic materials and processes for exploration	2.1 Seek and participate in professional discussions about characteristics and opportunities of particular ceramic materials and processes 2.2 Evaluate creative and professional opportunities offered by different ceramic materials and processes for own approach to work 2.3 Identify and assess limitations and constraints of particular materials and processes 2.4 Select a particular range of materials and processes that suit own practice
3. Integrate ceramic materials and processes into own work	3.1 Explore own new and different ways of working with materials and processes to achieve new effects and desired outcomes 3.2 Challenge and stretch the capabilities and uses of different materials and processes through experimentation on samples, practice pieces or a work in progress 3.3 Proactively identify and resolve technical problems with material use 3.4 Develop own ways of working with materials and processes to create individual style 3.5 Develop a coherent body of ceramic work that shows command of selected ceramic materials 3.6 Use safe work practices for handling materials and disposal of waste
4. Manage ceramic materials	4.1 Establish supply of ceramic materials which meets price, quality and delivery expectations 4.2 Develop ways of working with materials that minimise waste 4.3 Maintain quality and maximise shelf-life of ceramic materials through appropriate handling and storage

Foundation Skills

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

Skill	Performance	Description
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	Criteria	
Reading	1.1-1.6	Interprets and evaluates complex and unfamiliar information to identify key information about materials
Oral Communication	2.1	Initiates and participates in complex discussions, encouraging contributions, eliciting different perspectives on effective material use, clarifying, summarising and building constructively on the input of others
Numeracy	1.6, 4.1	Interprets budgetary constraints and supplier prices and calculates sometimes complex order costs
Navigate the world of work	1.4, 1.5, 3.6. 4.2	Takes responsibility for compliance with legal, safety and sustainability practices associated with creative work
Interact with others	2.1	- Encourages contribution of creative and technical ideas from other artists - Fosters a collaborative approach to professional skills development through sharing and receiving knowledge, experience and information with other artists as an integral part of artistic work relationships and seeks mentoring as required
Get the work done	1.1-1.3, 2.2, 2.4, 3.1-3.5, 4.1, 4.3	- Develops broad, flexible plans to improve own artistic knowledge, techniques and professional style - Takes responsibility for completing own research and creative works from design inception to realisation, managing own time and productivity to sequence stages - Manages own decisions about use of materials through research and selection according to interest - Resolves problems with materials technique through practice, experimentation and analysis - Creates opportunities to use a more innovative approach and personal style

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUACER502 Investigate ceramic materials and	CUVCER502A Investigate ceramic materials and	Updated to meet Standards for Training Packages	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
processes	processes	and clarify intent.	

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for CUACER502 Investigate ceramic materials and processes

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Performance Evidence

Evidence of the ability to:

- research the properties, capabilities and use of an extensive range of ceramic materials to inform own work practice
- refine the use of ceramic materials through a process of thorough experimentation and practice to create a coherent body of ceramic work which:
 - shows a command of chosen materials
 - demonstrates the development of an individual style
 - supports own ideas for work.

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 copyright, trademarks, design licences and permissions relevant to producing ceramic works
- identify an extensive range of information sources that support research in ceramic materials
- describe, for an extensive range of materials used to produce ceramic work,:
 - physical properties and capabilities
 - the characteristics of materials under different treatments and how they work to achieve different effects
 - limitations and constraints in achieving effects
- describe how different materials and ceramic techniques combine to achieve different technical effects
- explain ways to use, adapt, combine and challenge the capabilities of an extensive range of ceramic materials to develop an individual professional style

- summarise supply sources for an extensive range of ceramic materials used in professional practice
- describe, for ceramic materials, typical types, content and use of safety and technical data including Safety Data Sheets (SDS)
- explain key safety requirements for ceramic work.

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:

- equipment, tools and materials used to produce ceramic work
- relevant information sources.

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

Links

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