



Australian Government

CUADES403 Research and apply techniques in spatial design

Release: 1

CUADES403 Research and apply techniques in spatial design

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 test and apply techniques for the production of models or maquettes for spatial designs.

It applies to individuals who generate ideas and solutions for the layout of spaces. Spatial design solutions are required for exhibitions, fit-outs for exterior spaces or environments, and fit-outs for building foyers and offices, special events and theatre sets.

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

Unit Sector

Design – design process

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. Plan and organise requirements	1.1 Interpret requirements of design briefs, in consultation with clients or colleagues 1.2 Research financial, physical and human resources required for developing design concept to prototype stage 1.3 Investigate environmental, ethical and technical factors that impact on selection and use of resources 1.4 Select and prepare resources based on research into designs and approaches used for similar spaces, and relevant standards or legislative requirements
2. Test design approaches	2.1 Produce preliminary visuals

ELEMENT	PERFORMANCE CRITERIA
	2.2 Experiment with range of techniques and processes to test design approaches 2.3 Evaluate, challenge and refine testing processes 2.4 Critique own work and seek feedback as required 2.5 Document outcomes of testing 2.6 Select final design approach based on outcomes of testing and input from others
3. Make spatial design models or maquettes	3.1 Scope work and determine requirements for object fabrication 3.2 Select and organise materials, tools and equipment for fabrication according to design approach 3.3 Make models or maquettes consistent with design concepts and briefs 3.4 Respond to feedback and refine work as required 3.5 Present models or maquettes within agreed timeframes

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	1.1-1.4	Evaluates detailed textual and visual information to determine conceptual and production requirements, including relevant legislation and standards
Writing	1.2, 1.4, 2.5	Uses clear, specific language and industry-related terminology to document resources information and outcomes from idea development and testing processes
Oral Communication	1.1, 2.4, 2.6, 3.4, 3.5	- Uses questioning and active listening techniques to elicit feedback and confirm understanding - Selects and uses appropriate strategies to respond to feedback and present sample designs to others
Numeracy	1.2, 3.1	Identifies financial needs from information that may be embedded in texts and calculates resource requirements
Navigate the	1.3, 1.4	Understands purpose of own role and related responsibility for compliance with relevant legal and

world of work		ethical requirements and design standards when planning and undertaking design work
Interact with others	1.1, 2.4, 2.6, 3.4, 3.5	• Collaborates with others to discuss work process and outcomes, elicit feedback and identify improvements • Selects and uses appropriate communication conventions and techniques to respond to feedback and present prototypes to others
Get the work done	1.2, 1.4, 2.1-2.3, 2.6, 3.1-3.4	• Plans, organises and completes tasks required to meet project and time requirements • Makes a series of analytical decisions about design options and appropriate resources required for a range of design outcomes and their representation, using input from others when required • Directs own exploration of techniques and processes, and critically evaluates effectiveness of test samples

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
CUADES403 Research and apply techniques in spatial design	CUVDES405A Research and apply techniques in spatial design	Updated to meet Standards for Training Packages. Minor edits to elements and performance criteria to clarify intent.	Equivalent unit

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 CUADES403 Research and apply techniques in spatial design

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Performance Evidence

Evidence of the ability to:

- interpret requirements in a design brief in consultation with relevant people
- identify and prepare resources required to respond to the design brief
- test and use a range of approaches and techniques for the design of products, and document the results of testing
- create a prototype based on selected design approach.

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:

- outline factors that impact on the selection and use of resources
- identify materials, tools and equipment, and their capabilities and application to product design and manufacture
- outline the role of experimentation and testing in the design process
- describe the techniques and processes used to test design approaches
- outline legislation and standards relevant to spatial design.

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:

- spatial design briefs
- equipment, tools and materials used to produce models or maquettes of spatial designs
- a suitable work space.

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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