



Australian Government

CUADES423 Research and apply techniques in spatial design

Release: 1

CUADES423 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 5.0.

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 involves planning resources required to meet the design brief, testing different approaches based on research and developing prototypes of products that meet brief requirements.

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 required personnel 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
2. Test design approaches	2.1 Produce preliminary visuals according to design brief requirements

ELEMENT	PERFORMANCE CRITERIA
	2.2 Experiment and test design approaches using different techniques 2.3 Evaluate, challenge and refine testing processes 2.4 Critique own work and seek feedback as required 2.5 Document outcomes of testing according to organisational policies and procedures 2.6 Select final design approach based on outcomes of testing and input from others
3. Make spatial design models	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 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 those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	• Evaluates detailed textual and visual information and determines conceptual and production requirements, including applicable legislation and standards
Writing	• Documents resources information and outcomes from idea development and testing processes using clear, specific language and industry-related terminology
Oral Communication	• Elicits feedback and confirms understanding using questioning and active listening techniques • Selects and uses applicable strategies to respond to feedback and present sample designs to others
Numeracy	• Identifies financial needs from information that may be embedded in texts and calculates resource requirements
Self-management	• Understands purpose of own role and related responsibility for compliance with applicable legal and ethical requirements and design standards when planning and undertaking design work
Interact with others	• Collaborates with others and discusses work process and outcomes, elicits feedback and identifies improvements

SKILL	DESCRIPTION
	• Selects and uses applicable communication conventions and techniques to respond to feedback and present prototypes to others
Planning and organising	• Plans, organises and completes tasks required to meet project and time requirements • Makes a series of analytical decisions about design options and applicable resources required for different design outcomes and their representation, using input from others when required
Initiative and enterprise	• Directs own exploration of techniques and processes, and critically evaluates test samples

Unit Mapping Information

Supersedes and is equivalent to CUADES403 Research and apply techniques in spatial design.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for CUADES423 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 5.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design two products according to at least two different researched spatial design techniques.

In the course of the above, the candidate must:

- interpret requirements in a design brief in consultation with required personnel
- identify and prepare resources required to respond to the design brief
- test and use different approaches and techniques for the design of products, and document the results of testing
- create a prototype based on selected design approach
- adhere to applicable standards and legislative requirements for spatial design.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

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

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes 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 education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

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