



**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<br>1.2 Research financial, physical and human resources required for developing design concept to prototype stage<br>1.3 Investigate environmental, ethical and technical factors that impact on selection and use of resources<br>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<br>2.3 Evaluate, challenge and refine testing processes<br>2.4 Critique own work and seek feedback as required<br>2.5 Document outcomes of testing<br>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<br>3.2 Select and organise materials, tools and equipment for fabrication according to design approach<br>3.3 Make models or maquettes consistent with design concepts and briefs<br>3.4 Respond to feedback and refine work as required<br>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                 | <ul style="list-style-type: none"> <li>Evaluates detailed textual and visual information to determine conceptual and production requirements, including relevant legislation and standards</li> </ul>                                                        |
| Writing            | 1.2, 1.4, 2.5           | <ul style="list-style-type: none"> <li>Uses clear, specific language and industry-related terminology to document resources information and outcomes from idea development and testing processes</li> </ul>                                                  |
| Oral Communication | 1.1, 2.4, 2.6, 3.4, 3.5 | <ul style="list-style-type: none"> <li>Uses questioning and active listening techniques to elicit feedback and confirm understanding</li> <li>Selects and uses appropriate strategies to respond to feedback and present sample designs to others</li> </ul> |
| Numeracy           | 1.2, 3.1                | <ul style="list-style-type: none"> <li>Identifies financial needs from information that may be embedded in texts and calculates resource requirements</li> </ul>                                                                                             |
| Navigate the       | 1.3, 1.4                | <ul style="list-style-type: none"> <li>Understands purpose of own role and related responsibility for compliance with relevant legal and</li> </ul>                                                                                                          |

|                      |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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         | <ul style="list-style-type: none"> <li>• Collaborates with others to discuss work process and outcomes, elicit feedback and identify improvements</li> <li>• Selects and uses appropriate communication conventions and techniques to respond to feedback and present prototypes to others</li> </ul>                                                                                                                                                                   |
| Get the work done    | 1.2, 1.4, 2.1-2.3, 2.6, 3.1-3.4 | <ul style="list-style-type: none"> <li>• Plans, organises and completes tasks required to meet project and time requirements</li> <li>• 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</li> <li>• Directs own exploration of techniques and processes, and critically evaluates effectiveness of test samples</li> </ul> |

## Unit Mapping Information

| Code and title<br>current version                                  | Code and title<br>previous version                                  | Comments                                                                                                                               | Equivalence status |
|--------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| CUADES403<br>Research and apply<br>techniques in spatial<br>design | CUVDES405A<br>Research and apply<br>techniques in spatial<br>design | Updated to meet<br>Standards for<br>Training Packages.<br>Minor edits to<br>elements and<br>performance criteria<br>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>