Assessment Requirements for CUAANM313 Create 3D digital models

# Modification History

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| 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:

* create at least two 3D digital models that meet design requirements and production deadlines.

In the course of the above, the candidate must:

* collaborate with others to clarify requirements, discuss techniques, select modelling software and review models
* use 3D modelling software proficiently to build models and apply various modelling effects
* adopt safe ergonomic practices when using screens and keyboards for extended periods of time
* correctly store 3D models in appropriate file formats using industry naming conventions.

# 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:

* stages in the production process from initial design through to finished product
* basic modelling principles used to build 3D digital models
* methods of using geometry to create scale, form, weight and volume in 3D models
* standard file naming conventions for saving and storing 3D models
* concept of integrity as it applies to 3D modelling
* relationship between topology and deformation
* processes of rendering as it applies to 3D modelling
* processes for using digital modelling software
* intellectual property and copyright considerations if using images from external sources
* work health and safety requirements relating to using screens and keyboards for extended periods of time.

# 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:

* production documentation
* software for producing 3D digital models
* interaction with others required to demonstrate the performance evidence.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational educational 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>