



Australian Government

AHCDES506 Design for construction of landscape features

Release: 1

AHCDES506 Design for construction of landscape features

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to design for the construction of landscape features, specify hardscape and softscape quality requirements and develop a design and project report.

The unit applies to individuals who apply specialist skills and knowledge to construct landscape features, take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.

All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.

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

Pre-requisite Unit

Nil

Unit Sector

Design (DES)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Design aspects of construction for landscape features in a	1.1 Develop concept designs for construction of selected landscape features according to client requirements and budget 1.2 Source and record survey levels, site gradients and elevations

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
range of materials	1.3 Draw construction details for landscape features according to landscape design concepts 1.4 Draw drainage plans according to national construction code and landscape design concept 1.5 Incorporate a range of materials used in construction of landscape features into design
2. Specify hardscape and softscape quality and requirements	2.1 Determine difference in quality of available materials and specify quality criterion in design 2.2 Identify dimensions, footings and qualities of materials selected 2.3 Determine effect of plant selection on landscape features, including root development, crown development and soil hydrology 2.4 Determine impacts of using poor quality materials
3. Develop a design and project report	3.1 Develop site strategy for design project 3.2 Identify and document timelines for project 3.3 Develop and document final design, project budget and project report 3.4 Present design and project report to client

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Numeracy	Calculate project costs, including labour, materials, equipment and machinery

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
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Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDES506 Design for construction of landscape features	AHCDES504 Design for construction of landscape features	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCDES506 Design for construction of landscape features

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has designed for construction of landscape features on at least three occasions and including a minimum of five different construction features, and has:

- consulted with client
- identified and recorded survey levels, site gradients, elevations, existing site structures and vegetation
- drawn plans to construction standards, client requirements and budget
- drawn drainage plans according to national construction codes (NCC) and landscape design concept
- selected appropriate landscape construction materials
- specified dimensions, footings, quantity and quality of materials
- documented and presented project timelines, final design, project budget and project report.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices of designing for construction of landscape features, including:
 - NCC relevant to designing for construction of landscape features
 - drainage issues and the available resources to resolve problems
 - how to select appropriate plants and materials
 - materials available in the marketplace and their quality
 - plant specifications for a range of plants appropriate to the design
 - principles of surveying and determining site levels
 - site services, including electrical and water provision

- landscape construction techniques and materials.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - landscape construction materials
 - landscape construction site
 - site information and data applicable to designing for landscape features
- specifications:
 - NCC applicable to designing for construction of landscape features
- relationships:
 - client and stakeholders
- timeframes:
 - according to job requirements.

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

Links

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