



Australian Government

AHCDES505 Prepare a landscape design

Release: 1

AHCDES505 Prepare a landscape design

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 develop a design brief, assess the site, prepare a concept of design, revise and amend design, and produce final landscape design for a large project on residential, commercial or public open spaces.

The unit applies to individuals who apply specialist skills and knowledge to surveying and establishing site levels, 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. Develop a design brief	1.1 Consult with client to establish purpose and requirements of design 1.2 Interpret and incorporate architectural designs, styles and details

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	into design brief 1.3 Develop design criteria and design brief, and consult with client to finalise agreement of brief and construction budget 1.4 Negotiate cost structures of design development and timelines with client
2. Assess the project site	2.1 Inspect site of the landscape project 2.2 Record physical elements and features of site on base plan 2.3 Assess soil conditions, topography, aspect, existing vegetation and climatic factors and record on site analysis 2.4 Complete functional analysis of existing site and record on base plan 2.5 Assess any other relevant information and record on site analysis or base plan 2.6 Research and identify opportunities and constraints on development including local council, legislative and regulatory requirements
3. Prepare a concept design	3.1 Prepare concept to illustrate location and layout of proposed landscape works according to design brief 3.2 Specify hard landscaping requirements, including irrigation, demolition and removal of existing features and installation of new works 3.3 Compile planting schedules for incorporation into design plan 3.4 Apply industry practice and consistent graphic styles to concept design 3.5 Consult with client to establish agreement on options and approaches for design development
4. Revise and amend design development documentation	4.1 Select materials, surface treatments and plants 4.2 Identify construction and drainage requirements, and seek specialist advice where required 4.3 Research and apply appropriate landscape construction principles to landscape design according to national construction code and Australian standards 4.4 Assess design development documentation against design brief and budget

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.5 Discuss design development documentation with client and seek agreement
5. Produce a final design	5.1 Include specifications, detail drawings and notes on design to assist interpretation 5.2 Finalise and document detailed design plan according to design brief, concept design and client consultations using industry standard graphic, text and layout styles 5.3 Present final design 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
Reading	Identify and interpret information regarding local council, legislative and regulatory requirements
Oral communication	Initiate discussions with client, using clear language to discuss and establish design purpose, finalise design brief and present design plan

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDES505 Prepare a landscape design	AHCDES502 Prepare a landscape design	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 AHCDES505 Prepare a landscape design

Modification History

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

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 prepared a landscape design on at least one occasion and has:

- developed a design brief in consultation with client to establish design purpose and requirements
- consulted with clients
- interpreted architectural designs and details
- negotiated and established design budget
- assessed landscape sites
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- researched, interpreted and applied local council, legislative and regulatory requirements relevant to landscape design and construction
- designed scaled concept drawing and construction plans
- specified hard landscaping requirements
- used industry standard graphic techniques to illustrate landscape design components
- identified and selected plants for the landscape design
- identified dimensions and qualities of materials
- applied national construction code and Australian standards relevant to landscape design and construction
- determined survey levels, site grading and drainage requirements
- implemented professional landscape design practices
- assessed design against client budget
- operated Computer-Aided Design (CAD) software
- drafted plans by hand.

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 preparing a landscape project design, including:
 - interpreting client budget and design requirements
 - an understanding of own role and the use of specialist advice, including structural engineers and hydrologists
 - landscape construction and design costing and budgeting principles
 - landscape construction and engineering principles relevant to landscape design
 - hard landscaping requirements, including irrigation
 - national construction code and Australian standards relevant to landscape design and construction
 - drafting techniques for landscape plans and drawings
 - functional analysis techniques relevant to landscape design
 - scaled concept drawings, landscape plans and construction drawings
 - determining survey levels, site grading and drainage requirements
 - environmental implications of landscape project works
 - products and materials relevant to landscape design and construction
 - botany, plant physiology, taxonomy and nomenclature relevant to landscape design
 - how to identify and treat soils for application in landscape works
 - plant identification, selection and culture, and planting schedule
- workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to landscape design and construction
- local council, legislative and regulatory requirements relevant to landscape design and construction.

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:
 - client brief and budget
 - landscape site
 - site information and data applicable to sustainable landscape design and construction
 - computer hardware and CAD software
- specifications:
 - national construction code and Australian standards relevant to landscape design and construction

- local council, legislative and regulatory requirements applicable to landscape design and construction
- workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures applicable to landscape design and construction
- relationships:
 - clients
- 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

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