



Australian Government

Assessment Requirements for AHCDES508 Design sustainable landscapes

Release: 1

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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 designed sustainable landscapes on at least one occasion, and has:

- consulted with clients
- developed a design brief in consultation with client to establish design purpose and requirements
- researched, interpreted and applied legislation and regulations relevant to sustainable landscape design
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- assessed land area for sustainable use
- designed for the health and sustainability of soils and plants
- interpreted specifications and plans
- selected plants and soils for their integrated functional roles
- used graphic techniques for illustrating landscape design components
- prepared a detailed plan or design for sustainable land improvement
- implemented sustainable practices
- outlined an integrated approach to land and water management
- designed for integrated protection of water resources, riparian zones or storm water drainage systems (SUDS) and vegetation in a development area
- assessed soil and water quality tests where applicable to site
- applied relevant Environmental Protection Authority (EPA) legislation.

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:

- legislation and regulations relevant to sustainable landscape design
- workplace health and safety and environmental and biosecurity legislation and regulations and workplace procedures relevant to sustainable landscape design
- EPA legislation relevant to sustainable landscape design
- principles and practices of designing sustainable landscapes, including:
 - sustainable landscape design principles
 - assessment techniques
 - environmental controls and codes of practice applicable to the business and to the improvement works
 - biophysical factors, biodiversity, historical, heritage and cultural attributes, services, site modifications and threats to sustainability
 - botany, plant physiology, taxonomy and nomenclature
 - identification and selection of soils, growing media, plants, shrubs and trees
 - irrigation practices
 - legislation and regulations relating to soil and water degradation issues and construction
 - surface and subsurface hydrology
 - storm water drainage systems (SUDS)
 - sustainable land and water use principles and practices applicable in the region
 - types, properties and characteristics of a wide range of soils, soil amelioration techniques and growing media.

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 site
 - site information, documentation and data applicable to sustainable landscape design
- specifications:
 - legislation and regulations relating to soil and water degradation issues and construction, and sustainable landscape design
 - workplace health and safety and environmental and biosecurity legislation and regulations and workplace procedures applicable to sustainable landscape design
 - EPA legislation applicable to sustainable landscape design
- 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>