



Australian Government

AHCPER402 Design a rural permaculture system

Release: 1

AHCPER402 Design a rural permaculture system

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to design a rural permaculture system. It requires the ability to negotiate with clients to develop a permaculture design brief, undertake a site analysis, develop design concepts and produce final design documentation.

All work is carried out to comply with workplace procedures.

This unit applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources.

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

Pre-requisite Unit

Nil.

Unit Sector

Permaculture (PER)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Develop a design brief for a rural permaculture system	1.1 Initiate or respond to contact with the client 1.2 Consult with the client to establish purpose, needs and requirements of design 1.3 Develop a design brief in consultation 1.4 Negotiate cost structures and timelines

Element	Performance criteria
2. Undertake design analysis	2.1 Obtain existing maps, geospatial data and aerial photographs of property 2.2 Survey area included in Zones 1, 2 and 3 using suitable survey tools and equipment 2.3 Prepare a base plan 2.4 Record site assessment data on the base plan 2.5 Carry out bioregional analysis of the site 2.6 Carry out research into potential permaculture design elements 2.7 Choose permaculture design elements 2.8 Revise brief with client in relation to completed research and analysis
3. Prepare a design concept	3.1 Evaluate and determine a permaculture system concept 3.2 Prepare conceptual design drawings to illustrate conceptual themes and patterns informing the location and layout of proposed design elements 3.3 Develop and compile a bill of quantities 3.4 Prepare a list of plant and animal species and varieties suitable for the chosen concept 3.5 Prepare a preliminary budget for the conceptual design 3.6 Present the concept plan in a graphic style 3.7 Consult the client and agree on options and approaches for design development 3.8 Review and revise concepts, elements and the design brief after taking feedback from the client
4. Produce final design	4.1 Design the rural permaculture system in accordance with the design brief, research, analysis, chosen elements and concepts 4.2 Produce detailed rural permaculture design documents 4.3 Present design plans, drawings and documents to the client 4.4 Take feedback from the client and revise or modify the design as required

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

New unit - equivalent to QLD124DES02B.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>