



Australian Government

AHCPER403 Design an urban permaculture system

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to design an urban system. It requires the ability to negotiate with clients to develop a permaculture design brief, undertake 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 analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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 an urban permaculture system	1.1 Initiate or respond to contact with the client when appropriate 1.2 Consult with the client to establish purpose, needs and requirements of design 1.3 Develop a design brief for an urban permaculture system in consultation with the client 1.4 Negotiate cost structures and timelines with the client

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 and (if present) 2 to provide information not on existing maps using suitable survey tools and equipment 2.3 Prepare a site plan 2.4 Record site assessment on the site plan 2.5 Undertake bioregional analysis of the site 2.6 Undertake research of potential permaculture design elements 2.7 Choose appropriate permaculture design elements 2.8 Revise brief with client using completed research and analysis
3. Prepare a design concept	3.1 Determine an appropriate 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 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 conceptual design 3.6 Present the concept plan in a consistent 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 client
4. Produce final design	4.1 Design an urban permaculture system based on the design brief, research, analysis, chosen elements and concepts 4.2 Produce detailed urban 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 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 QLD124DES03B.

Links

Companion Volume implementation guides are found in VETNet -

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