



Australian Government

AHCPER420 Design an urban permaculture system

Release: 1

AHCPER420 Design an urban permaculture system

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to negotiate with clients to develop a design brief, undertake site assessment, develop design concepts and produce final design documentation for an urban permaculture system.

The 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 licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Permaculture (PER)

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 for an urban permaculture system	1.1 Consult with client and determine design objectives for an urban permaculture system 1.2 Determine design context 1.3 Develop and confirm design brief with client 1.4 Negotiate and confirm budget and timelines for design development

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Undertake design analysis	2.1 Access maps, images and geospatial data for site 2.2 Survey site for Zones 1 and 2 and confirm or supplement information of maps and images 2.3 Prepare a site base plan 2.4 Record site survey data on site plan 2.5 Conduct a neighbourhood and bioregional analysis for site 2.6 Identify potential permaculture design elements suitable for design brief outcomes 2.7 Assess and select permaculture design elements according to design brief 2.8 Revise and confirm design elements with client
3. Prepare a design concept	3.1 Determine and evaluate a concept for an urban permaculture system 3.2 Prepare concept design drawings 3.3 Identify and document plant and livestock suitable for concept design in an urban setting 3.4 Develop and compile a bill of materials and cost estimates for design elements, plants and livestock 3.5 Prepare a preliminary budget for design concept 3.6 Present the concept plan and budget to client for feedback and approval 3.7 Review concept plan and budget according to client feedback
4. Produce final design	4.1 Design an urban permaculture system according to design brief and approved concept plan and budget 4.2 Produce drawings and specifications for urban permaculture system 4.3 Present design plans, drawings and specifications to client for final feedback and approval 4.4 Undertake final revision changes for design according to client feedback and approvals 4.5 Finalise and record design according to workplace procedures

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	Analyse plans and other documentation from a variety of sources, and consolidate information to determine permaculture system requirements and client needs
Writing	Prepare and produce client briefs and plans and specifications, including diagrammatic models and plans, to illustrate complex permaculture design principles and requirements
Oral communication	Use collaborative and inclusive techniques, including active listening and questioning and reading of verbal and non-verbal signals, to convey, clarify and confirm client requirements
Numeracy	Apply financial modelling skills to identify, analyse and evaluate budgetary information, time durations and resource allocations for permaculture system design

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPER420 Design an urban permaculture system	AHCPER403 Design an urban permaculture system	Minor changes to Application, Elements and Performance Criteria for clarity Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity Addition of Foundation Skills	Equivalent

Links

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