



Australian Government

AHCPER421 Select appropriate technology for a permaculture system

Release: 1

AHCPER421 Select appropriate technology for a 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 identify permaculture needs, investigate options and select technology solutions that are small-scale, promote autonomy and are sustainable for a permaculture system within a geographic area.

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. Identify appropriate technology for permaculture systems	1.1 Review and confirm design needs and requirements for potential applications of appropriate technology with client 1.2 Identify sources and locations of information on appropriate technology according to design needs 1.3 Determine required scale of appropriate technology

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify permaculture principles and practices relevant to appropriate technology
2. Investigate appropriate technology for permaculture systems	2.1 Investigate potential appropriate technology options for permaculture project needs 2.2 Determine unique characteristics of different appropriate technology options 2.3 Investigate applications of alternative technologies 2.4 Investigate requirements for integrating new technology with existing permaculture systems 2.5 Determine capital cost of installation 2.6 Determine training and maintenance required for operation of different options
3. Evaluate appropriate technology for permaculture systems	3.1 Evaluate potential for integrating new appropriate technologies in permaculture system design 3.2 Compare potential alternative technologies against cost and efficiency criteria 3.3 Evaluate risks and obstacles of potential appropriate technology options
4. Select appropriate technology for permaculture systems	4.1 Select suitable appropriate technology for design use 4.2 Determine availability of appropriate technology 4.3 Confirm cost and mode of delivery
5. Document appropriate technology for permaculture systems	5.1 Compile investigations and selection process of appropriate technology 5.2 Document justification for selected appropriate technology, and secure client approval 5.3 Amend permaculture design plan for selected appropriate technology option

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.

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

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPER421 Select appropriate technology for a permaculture system	AHCPER405 Select appropriate technology for a permaculture system	Minor changes to Application, Elements and Performance Criteria for clarity Changes to Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity	Equivalent

Links

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