



Australian Government

Assessment Requirements for AHCPER417 Investigate and recommend species for a permaculture system

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 9.0.

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, on at least one occasion, investigated and recommended species for a permaculture system design and has:

- assessed needs and outcomes of a permaculture system with a client
- identified characteristics of species for a system, which must include each of the following:
 - six (6) plants
 - two (2) animals
 - two (2) invertebrates
 - one (1) microbiological
- investigated and assessed species for each group of species for use in a permaculture system, and their interrelationships
- compiled and documented recommendations and cultural requirements for species meeting identified characteristics for permaculture system
- presented recommendations to client and acted on feedback
- monitored and recorded species and their success in a permaculture system.

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:

- principles and practices of permaculture related to needs of species and systems
- fundamentals of biological organisms, interactions, classification and nomenclature, including:
 - plants as produce, fodder, soil improvers, pest control
 - animals as produce, pest control, waste processing, soil improvers
 - invertebrates as food, soil improvers, pests and biocontrol

- common microorganisms used in permaculture, including produce, yeasts and useful bacteria for plant and animal culture
- research methodologies and documenting outcomes of research
- system design process
- permaculture design strategies for species selection and interrelationships
- comparative analysis techniques
- critical evaluation techniques for both written and graphic representations of permaculture design
- dealing with clients
- documenting and presenting recommendations.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated for a permaculture system design or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - research tools and references
- specifications:
 - permaculture design specifications and client brief
 - biological naming convention
- relationships:
 - client.

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>