

LANDSCAPE ARCHITECTURAL PROJECTS

UNIT CODE:CON/OS/ARC/CR/05/6/A

UNIT DESCRIPTION

This unit describes the competencies required to prepare landscaping designs, prepare schedule of landscaping elements, and prepare ground for landscaping, set out landscape design and install landscape design.

ELEMENTS These describe the key outcomes which make up workplace function.	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range.</i>
1. Prepare landscaping designs	1.1 Inventory and analysis of the biophysical environment is conducted. 1.2 Human community inventory and analysis is conducted. 1.3 Concepts are developed 1.4 Existing plan is adopted 1.5 Landscape is <i>designed</i> based on <i>objective qualities</i> and <i>subjective qualities</i> of the project.
2. Prepare schedule of landscaping elements	2.1 Types of equipment to be used are identified and listed. 2.2 Landscaping elements are numbered and recorded on a standard schedule. 2.3 Quoted rates are included in the landscaping element and equipment schedule
3. Prepare ground for landscaping	3.1 Area of the space is determined in accordance with the site layout design 3.2 The ground is cleared of any unwanted elements as per the design 3.3 The ground is levelled as per the design requirements
4. Set out landscape design	4.1 Landscape design layout is marked on the ground 4.2 Landscaping dimensions are transferred to the ground as per the design
5. Install landscape design	5.1 Ground cover is established 5.2 Drainage system is constructed 5.3 Fences and gates are constructed 5.4 External paving is laid 5.5 Irrigation method is determined as per landscape design 5.6 <i>Beautification</i> is carried out as per design specifications

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

Variable	Range
1. Designed may include but not limited to:	<ul style="list-style-type: none">• Creating the outline• Creating ground cover if needed• Adding new landscape design elements
2. Objective qualities include but not limited to:	<ul style="list-style-type: none">• Climate and microclimates• Topography and orientation• Site drainage and groundwater recharge• Municipal and resource building codes• Soils and irrigation• Human and vehicular access and circulation• Furnishings and lighting• Native plant habitat botany• Property safety and security• Recreational amenities (i.e.: sports and water)• Construction detailing
3. Subjective qualities include but not limited to:	<ul style="list-style-type: none">• Client's needs and preferences• Desirable plants and elements to retain on site• Artistic composition• Spatial development and definition- using lines, sense of scale, and balance and symmetry• Plant palettes• Artistic focal points for enjoyment.
4. Beautification may include but not limited to:	<ul style="list-style-type: none">• Ornamental trees• Grass• Flowers• Fountains• Water ways• Shrubs

	<ul style="list-style-type: none"> • Ground cover • Garden furniture • Garden lighting
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REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required Skills

The individual needs to demonstrate the following skills:

- Setting out
- Levelling
- Designing landscapes
- Gardening
- ICT skills
- Budgeting
- Creative skills
- Interpersonal skills

Required knowledge

The individual needs to demonstrate knowledge of:

- Types of vegetation
- Soil types
- Survey
- Landscape designs
- Landscape design software
- Costing

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Designed landscape 1.2 Prepared schedule of landscaping elements 1.3 Prepared ground for landscaping 1.4 Set out landscape design 1.5 Landscaped the site 1.6 Carried out beautification
2. Resource Implications	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Access to relevant workplace or appropriately simulated environment where assessment can take place

	2.2 Materials relevant to the proposed activity or tasks
3.Methods of Assessment	Competency in this unit may be assessed through: 3.1 Direct Observation 3.2 Oral Questioning 3.3 Portfolios 3.4 Projects
4. Context of Assessment	Competency may be assessed 4.1 On job 4.2 Off job 4.3 During Industrial Attachment
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

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