

Title	Evaluate the principles of architectural design		
Level	6	Credits	15

Purpose	People credited with this unit standard are able to: describe and evaluate design principles for architectural projects; analyse and illustrate the historical development of design principles; explain the differences in design across cultures and environments; and describe the interaction of people with a built environment.
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Classification	Construction > Architectural Technology
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Available grade	Achieved
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Guidance Information

- 1 *Aesthetics* refer to the study of sensory or sensori-emotional values, sometimes called judgments of sentiment and taste.
Sustainability means the ability to complete building works using a minimum of the earth's resources, and having minimal negative effect on the environment.
- 2 Performance of all outcomes is carried out in accordance with enterprise and organisational standards and procedures unless otherwise stated. Enterprise and organisational standards and procedures may include: quality assurance, documentation, security, communication, health and safety, ethics, interpersonal behaviour, and environmental and sustainability principles. An acceptable standard would be comparable to ISO 9000 certified enterprises and organisations and those set by an incorporated professional or trade body. Examples of such bodies are New Zealand Institute of Architects, Design Association of New Zealand Incorporated, and Architectural Designers of New Zealand Incorporated.
- 3 Performance of all outcomes should be assessed within constraints normally applicable to a commercial environment.
- 4 Legislation relevant to this unit standard includes: Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995; Resource Management Act 1991; Building Act 2004.

Outcomes and performance criteria

Outcome 1

Describe and evaluate design principles for architectural projects.

Performance criteria

1.1 Design principles are described and evaluated using architectural case studies.

Range architectural terminology, architectural theory, colour theory, aesthetics, proportion and scale, form and function, spatial relationships and organisation, anthropometrics/ergonomics, effect on the built environment, sustainability, environmental impact.

Outcome 2

Analyse and illustrate the historical development of design principles.

Range classical, modern, contemporary.

Performance criteria

2.1 Building styles are illustrated in terms of similarities and differences.

Range function, appearance, structure.

2.2 Building styles are described in terms of similarities and differences.

Range construction technology, materials technology, materials availability.

2.3 Building trends are described in terms of similarities and differences.

Range social structures, social organisation.

Outcome 3

Explain the differences in design across cultures and environments.

Range western, eastern, South Pacific.

Performance criteria

3.1 Building styles are illustrated in terms of similarities and differences.

Range function, appearance, structure.

3.2 Building styles are described in terms of similarities and differences.

Range construction technology, materials technology, materials availability.

3.3 Building trends are described in terms of similarities and differences.

Range social structures, social organisation, urban planning.

Outcome 4

Describe the interaction of people with a built environment.

Range residential, commercial, public assembly.

Performance criteria

- 4.1 Spaces are described in terms of building form and function and user requirements.
- 4.2 Buildings are assessed in terms of the extent to which they meet requirements.

Range physical, environmental.

- 4.3 Building design is described in terms of its impact on the psychology of the building occupants.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 February 1997	31 December 2023
Revision	2	10 December 1997	31 December 2023
Revision	3	8 October 1998	31 December 2023
Revision	4	7 June 2000	31 December 2023
Review	5	20 March 2003	31 December 2023
Revision	6	19 July 2004	31 December 2023
Review	7	18 March 2011	31 December 2023
Review	8	25 August 2022	31 December 2023

Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.