



# BLAR11050 Residential Construction

## Term 2 - 2023

Profile information current as at 19/05/2024 09:56 am

All details in this unit profile for BLAR11050 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

### General Information

#### Overview

This unit will introduce you to the procedures, principles and methods of construction used for residential buildings and other structures designated by the National Construction Code (NCC) as being within Building Class 1 or 10. Students who have successfully completed BLCN11033 should not enrol in this unit.

#### Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

#### Pre-requisites or Co-requisites

There are no requisites for this unit.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

#### Offerings For Term 2 - 2023

- Online

#### Attendance Requirements

All on-campus students are expected to attend scheduled classes - in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

#### Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

## Class and Assessment Overview

### Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

#### 1. **Written Assessment**

Weighting: 30%

#### 2. **Written Assessment**

Weighting: 30%

#### 3. **Written Assessment**

Weighting: 30%

#### 4. **Online Quiz(zes)**

Weighting: 10%

### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

#### Feedback from Unit Evaluation survey.

##### **Feedback**

I believe that there needs to be more explanation for each assessment task. Considering this is an online subject I felt very confused and alone when I was reading the questions.

##### **Recommendation**

The unit lecturer will provide more direction with respect to assessment task requirements. It is noted that the lecturer provided live tutorial sessions, presenting an opportunity for students to engage directly and seek direction about assessment tasks.

## Unit Learning Outcomes

### **On successful completion of this unit, you will be able to:**

1. Describe the importance of the housing industry to a community and the prevailing regulations for Australian projects
2. Explain the residential procurement process and the human roles required
3. Describe the functions, materials and details of the major components along with the waste management strategies used and the regulatory inspections made when constructing a residential project
4. Prepare drawings and build a model for a residential project
5. Describe the temporary works, particularly scaffolding, formwork and falsework and plant selection processes used for residential construction.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Written Assessment - 30%	•	•			
2 - Written Assessment - 30%			•		•
3 - Written Assessment - 30%			•	•	
4 - Online Quiz(zes) - 10%	•	•	•	•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Communication	•	•	•	•	•
2 - Problem Solving	•	•	•	•	•
3 - Critical Thinking				•	
4 - Information Literacy	•	•	•	•	•
5 - Team Work		•	•		•
6 - Information Technology Competence	•	•	•	•	•
7 - Cross Cultural Competence	•	•			
8 - Ethical practice		•	•		
9 - Social Innovation					
10 - Aboriginal and Torres Strait Islander Cultures					

## Textbooks and Resources

### Textbooks

BLAR11050

#### Prescribed

##### **Building Construction Handbook**

Edition: 12th (2020)

Authors: Roy Chudley & Roger Greeno

Routledge

Abingdon , Oxon , UK

ISBN: 9780367135430

Binding: Paperback

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#### Supplementary

##### **Site Establishment, Formwork and Framing**

Edition: 4th (2020)

Authors: Adrian Laws

Cengage Learning

South Melbourne , VIC , Australia

ISBN: 9780170422529

Binding: Paperback

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

**You will need access to the following IT resources:**

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Access to printer and scanner
- Computer headset (microphone speaker combo)
- Microsoft Office or equivalent software
- Web camera (webcam)

## Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Peter F Lawrence (Engineering)** Unit Coordinator

[p.lawrence1@cqu.edu.au](mailto:p.lawrence1@cqu.edu.au)

## Schedule

### Week 1 - 10 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
1. Introduction to design and construction of domestic buildings	Please refer to the Moodle site for specific text book readings and additional unit information.	

### Week 2 - 17 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
1. Introduction to design and construction of domestic buildings (continued)	Please refer to the Moodle site for specific text book readings and additional unit information.	
<b>Week 3 - 24 Jul 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
2. The procurement process	Please refer to the Moodle site for specific text book readings and additional unit information.	
<b>Week 4 - 31 Jul 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
3. Domestic building components	Please refer to the Moodle site for specific text book readings and additional unit information.	
<b>Week 5 - 07 Aug 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
3. Domestic building components (continued)	Please refer to the Moodle site for specific text book readings and additional unit information.	<b>Assessment 1</b> Due: Week 5 Monday (7 Aug 2023) 11:45 pm AEST
<b>Vacation Week - 14 Aug 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
No scheduled class	Consider using this week to work on an assessment or take a wellness break.	
<b>Week 6 - 21 Aug 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
4. Temporary structures: scaffoldings, formwork, falsework	Please refer to the Moodle site for specific text book readings and additional unit information.	
<b>Week 7 - 28 Aug 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
4. Temporary structures: scaffoldings, formwork, falsework (continued)	Please refer to the Moodle site for specific text book readings and additional unit information.	
<b>Week 8 - 04 Sep 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
5. Waste minimization	Please refer to the Moodle site for specific text book readings and additional unit information.	
<b>Week 9 - 11 Sep 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
6. Residential construction drawings	Please refer to the Moodle site for specific text book readings and additional unit information.	<b>Assessment 2</b> Due: Week 9 Monday (11 Sep 2023) 11:45 pm AEST
<b>Week 10 - 18 Sep 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic
7. Construction plant	Please refer to the Moodle site for specific text book readings and additional unit information.	
<b>Week 11 - 25 Sep 2023</b>		
Module/Topic	Chapter	Events and Submissions/Topic

8. Inspection procedures	Please refer to the Moodle site for specific text book readings and additional unit information.
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### Week 12 - 02 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
8. Inspection procedures (continued)	Please refer to the Moodle site for specific text book readings and additional unit information.	

### Review/Exam Week - 09 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
No class Unit review and exam period begins		<b>Assessment 3</b> Due: Review/Exam Week Wednesday (11 Oct 2023) 11:45 pm AEST <b>Assessment 4</b> Due: Review/Exam Week Friday (13 Oct 2023) 11:45 pm AEST

### Exam Week - 16 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
No exam for this unit		

## Assessment Tasks

### 1 Assessment 1

#### Assessment Type

Written Assessment

#### Task Description

This assessment relates to learning outcomes 1 and 2. Assessment 1 will require research to answer questions exploring Australian residential regulations and procurement processes.

#### Assessment Due Date

Week 5 Monday (7 Aug 2023) 11:45 pm AEST

It is recommended the Moodle submission remain in draft form until you have viewed the Turnitin report and made any necessary amendments before lodging by the due date and time.

#### Return Date to Students

Week 6 Monday (21 Aug 2023)

Students will be advised if a delay emerges.

#### Weighting

30%

#### Assessment Criteria

Before or on the nominated due date, upload your work following the on-screen instructions. Your submission will be processed through the similarity detection software, Turnitin. You may amend your work based on the detection report. You must ensure that the work is your own and is compliant with the CQU Harvard Referencing Guide. You will find additional material for this assessment on the unit Moodle site.

The assessment will be assessed on the following criteria:

- Show clarity and succinctness of expression.
- Adequate coverage of topics discussed.
- Use and reference correctly supporting information.
- Present original thoughts and opinions.
- Communicate using correct spelling, grammar and punctuation.
- Use graphs, illustrations and other graphics to visually support your submission.
- Explain the core knowledge associated with this unit and show appropriate application of this knowledge.

#### Referencing Style

- [Harvard \(author-date\)](#)

### **Submission**

Online

### **Submission Instructions**

Via the Moodle Assessment portal, submit a single PDF file.

### **Learning Outcomes Assessed**

- Describe the importance of the housing industry to a community and the prevailing regulations for Australian projects
- Explain the residential procurement process and the human roles required

## **2 Assessment 2**

### **Assessment Type**

Written Assessment

### **Task Description**

This assessment relates to learning outcomes 3 and 5. Assessment 2 will require research to answer questions exploring detailed building processes within residential construction, including labour, plant and equipment used for nominated building elements.

### **Assessment Due Date**

Week 9 Monday (11 Sept 2023) 11:45 pm AEST

It is recommended the Moodle submission remain in draft form until you have viewed the Turnitin report and made any necessary amendments before lodging by the due date and time.

### **Return Date to Students**

Week 11 Monday (25 Sept 2023)

Students will be advised if a delay emerges.

### **Weighting**

30%

### **Assessment Criteria**

Before or on the nominated due date, upload your work following the on-screen instructions. Your submission will be processed through the similarity detection software, Turnitin. You may amend your work based on the detection report. You must ensure that the work is your own and is compliant with the CQU Harvard Referencing Guide. You will find additional material for this assessment on the unit Moodle site.

The assessment will be assessed on the following criteria:

- Show clarity and succinctness of expression.
- Adequate coverage of topics discussed.
- Use and reference correctly supporting information.
- Present original thoughts and opinions.
- Communicate using correct spelling, grammar and punctuation.
- Use graphs, illustrations and other graphics to visually support your submission.
- Explain the core knowledge associated with this unit and show appropriate application of this knowledge.

### **Referencing Style**

- [Harvard \(author-date\)](#)

### **Submission**

Online

### **Submission Instructions**

Via the Moodle Assessment portal, submit a single PDF file.

### **Learning Outcomes Assessed**

- Describe the functions, materials and details of the major components along with the waste management strategies used and the regulatory inspections made when constructing a residential project
- Describe the temporary works, particularly scaffolding, formwork and falsework and plant selection processes used for residential construction.



## 3 Assessment 3

### Assessment Type

Written Assessment

### Task Description

This assessment relates to learning outcomes 3 and 4. Assessment 3 will require research to answer questions exploring residential construction components and documentation via drawings and a built model.

### Assessment Due Date

Review/Exam Week Wednesday (11 Oct 2023) 11:45 pm AEST

It is recommended the Moodle submission remain in draft form until you have viewed the Turnitin report and made any necessary amendments before lodging by the due date and time.

### Return Date to Students

Saturday 28/10/2023. Students will be advised if a delay emerges.

### Weighting

30%

### Minimum mark or grade

12/30 (40%)

### Assessment Criteria

Before or on the nominated due date, upload your work following the on-screen instructions. Your submission will be processed through the similarity detection software, Turnitin. You may amend your work based on the detection report. You must ensure that the work is your own and is compliant with the CQU Harvard Referencing Guide. You will find additional material for this assessment on the unit Moodle site.

The assessment will be assessed on the following criteria:

- Show clarity and succinctness of expression.
- Adequate coverage of topics discussed.
- Use and reference correctly supporting information.
- Present original thoughts and opinions.
- Communicate using correct spelling, grammar and punctuation.
- Use graphs, illustrations and other graphics to visually support your submission.
- Explain the core knowledge associated with this unit and show appropriate application of this knowledge.

### Referencing Style

- [Harvard \(author-date\)](#)

### Submission

Online

### Submission Instructions

Via the Moodle Assessment portal, submit a single PDF file.

### Learning Outcomes Assessed

- Describe the functions, materials and details of the major components along with the waste management strategies used and the regulatory inspections made when constructing a residential project
- Prepare drawings and build a model for a residential project

## 4 Assessment 4

### Assessment Type

Online Quiz(zes)

### Task Description

This assessment relates to learning outcomes 1 to 5. Assessment 4 is a multiple-choice quiz, based on the following information:

- The quiz covers Topics 1-8 in the study guide.
- The quiz will open Week 12 Friday at 3.00pm for 1 week.
- The quiz will close Review/Exam Week Friday at 11.45pm (AEST) regardless of your progress, so attempt the quiz before 9.45pm (AEST) at the latest.
- The **single-attempt** 120 minute duration quiz can be taken at any time during this period.
- You may submit before the time limit ends.

- The quiz will comprise 20 questions with multiple choice answers provided for each question; pick only 1 choice when answering each question.
- ***Please note results for this assessment will be made available within a short period after the due date. Consequently, extension of time requests will be denied except under very exceptional circumstances.***

**Number of Quizzes**

1

**Frequency of Quizzes**

Other

**Assessment Due Date**

Review/Exam Week Friday (13 Oct 2023) 11:45 pm AEST

**Return Date to Students**

Saturday 14/10/2023 after the quiz due date and time expires

**Weighting**

10%

**Assessment Criteria**

Test and apply knowledge based on the unit content.

**Referencing Style**

- [Harvard \(author-date\)](#)

**Submission**

Online

**Submission Instructions**

Quiz accessed via the Moodle portal

**Learning Outcomes Assessed**

- Describe the importance of the housing industry to a community and the prevailing regulations for Australian projects
- Explain the residential procurement process and the human roles required
- Describe the functions, materials and details of the major components along with the waste management strategies used and the regulatory inspections made when constructing a residential project
- Prepare drawings and build a model for a residential project
- Describe the temporary works, particularly scaffolding, formwork and falsework and plant selection processes used for residential construction.

## Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

### What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

### Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

### Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

### What can you do to act with integrity?



#### Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



#### Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



#### Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem