



# BLAR11053 Construction Fundamentals 2 (Carpentry) Term 1 - 2019

Profile information current as at 06/05/2024 11:59 am

All details in this unit profile for BLAR11053 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

Construction Fundamentals 2 (Carpentry) will introduce you to the procedures, principles and methods of concrete construction and associated temporary works and related activities as used for residential buildings and other structures classified by the National Construction Code (NCC) as Building Class 1 or 10. You will learn common terms used in residential low-rise concrete construction. You will examine soil types and the implications for low-rise concrete constructions. You will complete practical components on-campus that will provide you with the foundations of theory application in these constructions.

### 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 1 - 2019

- Mackay
- Rockhampton

### 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. **Portfolio**

Weighting: 100%

### 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 Lecturer reflection

##### **Feedback**

The unit is a blend of practical skills and case study research which produce an end-of-term portfolio.

##### **Recommendation**

Progressive inspection of the portfolio should be introduced to ensure a measured completion of the task to avoid a spike in workload at the end of the term.

## Unit Learning Outcomes

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

1. Explain the common terms associated with residential low-rise concrete construction
2. Classify the common types of soils indicating their potential effect on site preparation, excavation and concrete behaviour as related to residential low-rise concrete construction
3. Describe the construction process related to structural and non-structural concrete elements related to residential low-rise concrete construction
4. Construct temporary formwork and falsework associated with residential low-rise concrete construction.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Portfolio - 100%	•	•	•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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				

### Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Portfolio - 100%	•	•	•							

## Textbooks and Resources

### Textbooks

BLAR11053

#### Prescribed

##### Site Establishment, Formwork and Framing

Edition: 3rd (2016)

Authors: Laws, Adrian

Cengage Learning Australia

Melbourne , Victoria , Australia

ISBN: 9780170356152

Binding: Paperback

#### Additional Textbook Information

Site Establishment, Formwork and Framing (3rd edition) is part of a three volume series that also includes Basic Building and Construction Skills (5th edition) and Advanced Building and Joinery Skills (2nd edition) which are prescribed texts for other units of study.

If you purchased the pack in BLAR11049, then you do not have to purchase the above book again. Both the pack and the individual book are available at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code).

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

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

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- MSOffice (Excel, Word, Powerpoint etc) or similar software

## 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 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Concrete construction - Workplace health and safety	Please refer to Moodle unit site for relevant resources.	

### Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Concrete construction - cement and constitute materials	Please refer to Moodle unit site for relevant resources.	

### Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Concrete construction - batching and placing  
Please refer to Moodle unit site for relevant resources.

#### **Week 4 - 01 Apr 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction – admixtures	Please refer to Moodle unit site for relevant resources.	

#### **Week 5 - 08 Apr 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction - temporary structures	Please refer to Moodle unit site for relevant resources.	

#### **Vacation Week - 15 Apr 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Vacation week		Please note you may have a VET workshop task to finalise.

#### **Week 6 - 22 Apr 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction - construction plant	Please refer to Moodle unit site for relevant resources.	Interim portfolio review due week 6 Wednesday (24 Apr 2019) 12:30pm AEST

#### **Week 7 - 29 Apr 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction - soil characteristics	Please refer to Moodle unit site for relevant resources.	

#### **Week 8 - 06 May 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction - excavation and site works	Please refer to Moodle unit site for relevant resources.	

#### **Week 9 - 13 May 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction – reinforcement	Please refer to Moodle unit site for relevant resources.	

#### **Week 10 - 20 May 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction – formwork	Please refer to Moodle unit site for relevant resources.	

#### **Week 11 - 27 May 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction - footings and slabs	Please refer to Moodle unit site for relevant resources.	

#### **Week 12 - 03 Jun 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Concrete construction - defects and maintenance	Please refer to Moodle unit site for relevant resources.	<b>Portfolio</b> Due: Week 12 Friday (7 June 2019) 11:45 pm AEST

#### **Review/Exam Week - 10 Jun 2019**

<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Review		Please note you may have a VET workshop task to finalise.

#### **Exam Week - 17 Jun 2019**

There is no exam for this unit.

## Assessment Tasks

### 1 Portfolio

**Assessment Type**

Portfolio

**Task Description****Written portfolio**

Task relates to learning outcomes 1, 2, 3, 4.

This portfolio allows you to research and interpret current industry practice, materials usage and issues of concrete as it relates to residential low-rise construction by applying learning from topics 1 to 12, and to report your findings.

*Note: an interim review of the portfolio will occur in week 6 on Wednesday 24/04/19 worth 30% of the overall unit mark.*

The portfolio will contain a collection of evidence that demonstrates your mastery of the underpinning skills and knowledge of this unit.

Students will be required to complete regular assessment tasks as outlined in the assessment tab which will be available on Moodle home page.

**Assessment Due Date**

Week 12 Friday (7 June 2019) 11:45 pm AEST

**Return Date to Students**

Friday 05/07/19

**Weighting**

100%

**Assessment Criteria**

Before or on the nominated due date, upload your work following the on-screen instructions from the Assessment block on the unit Moodle site. 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 or has been correctly referenced to the appropriate author(s), according to the CQU requirements. A submission exceeding the word limit by greater than 10% will not be assessed beyond the prescribed word limit.

You will find further support material for this task on the unit Moodle site during week 1.

This assessment will be reviewed on the following basis:

- Use of quality supporting documentation
- Use of original thought and content
- Overall presentation including formatting and an ability to communicate using correct spelling, grammar and punctuation and the use of appropriate diagrams and other visual aids
- Appropriate use of referencing
- Application of core knowledge and comprehensive coverage of task requirements

The portfolio assessment tasks represent a range of assessment tasks that demonstrate your understanding of the underpinning skills and knowledge associated with this unit. The portfolio assessment tasks may include, but not be limited to quizzes, reflective journal submissions, demonstration of practical skills and knowledge and written assessment pieces.

Specific information for the portfolio assessment tasks will be available on the assessment tab on the Moodle home page.

**Referencing Style**

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

**Submission**

Offline Online

**Submission Instructions**

Submit as a single PDF file into the Moodle Assessment portal.

## Learning Outcomes Assessed

- Explain the common terms associated with residential low-rise concrete construction
- Classify the common types of soils indicating their potential effect on site preparation, excavation and concrete behaviour as related to residential low-rise concrete construction
- Describe the construction process related to structural and non-structural concrete elements related to residential low-rise concrete construction
- Construct temporary formwork and falsework associated with residential low-rise concrete construction.

## Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking

## 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