



BLAR12057 Commercial Construction

Term 2 - 2018

Profile information current as at 14/05/2024 05:54 pm

All details in this unit profile for BLAR12057 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 commercial projects up to multistorey buildings and designated by the National Construction Code (NCC) as being within Building Class 2 to 9. You should have completed an introductory construction unit to ensure adequate level of entry knowledge. Students who have successfully completed BLAR11048 should not enrol in this unit.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisite: BLAR11050 Residential Construction or BLCN11033 Construction 1.

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 - 2018

- Distance

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 Have Your Say Feedback

Feedback

Well presented and relevant presentations delivered in a comprehensive, professional manner that maximised learning.

Recommendation

Continue to present unit material that is industry relevant in a professional and comprehensive manner.

Unit Learning Outcomes

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

1. Describe the functions, materials and details of the major components. the waste management strategies used and the regulatory inspections made when constructing a commercial project.
2. Describe the temporary works, particularly scaffolding, formwork and falsework and plant selection processes used for commercial construction.
3. Using codes and standards, assess construction documentation for constructability and fault detection.
4. Explain acoustic, fire, health and safety requirements for commercial projects.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
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
1 - Communication	•	•	•	•
2 - Problem Solving	•	•	•	•

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

Textbooks and Resources

Textbooks

BLAR12057

Prescribed

Construction methods and planning

Edition: 2nd (2000)

Authors: Illingworth, JR

Spon Press

UK

Binding: Paperback

BLAR12057

Prescribed

Mitchell's building series: Structure and fabric Part 2

Edition: 7th (2007)

Authors: Foster, JS & Greeno, J

Longmans (Scientific and Technical)

London, UK

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)

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

Schedule

Week 1 - 09 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 1: National Building Control Legislation	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 2 - 16 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 2: Project objectives, procurement strategies and construction improvement technologies	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 3 - 23 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 2: Project objectives, procurement strategies and construction improvement technology	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 4 - 30 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 3: Building construction systems	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 5 - 06 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 3: Building construction systems	Please refer to the Moodle site for specific text book readings and additional unit information	A1 Written Assessment Due: Week 5 Tuesday (7 Aug 2018) 11:45 pm AEST

Vacation Week - 13 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
No class		

Week 6 - 20 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 3: Building construction systems	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 7 - 27 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 3: Building construction systems	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 8 - 03 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 3: Building construction systems	Please refer to the Moodle site for specific text book readings and additional unit information	A2 Written Assessment Due: Week 8 Tuesday (4 Sept 2018) 11:45 pm AEST

Week 9 - 10 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 4: Project inspection procedures	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 10 - 17 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 4: Project inspection procedures	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 11 - 24 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Topic 5: Temporary work	Please refer to the Moodle site for specific text book readings and additional unit information	

Week 12 - 01 Oct 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Topic 5: Temporary work

Please refer to the Moodle site for specific text book readings and additional unit information

A3 Written Assessment Due: Week 12 Tuesday (2 Oct 2018) 11:45 pm AEST

Review/Exam Week - 08 Oct 2018

Module/Topic

Chapter

Events and Submissions/Topic

Review Period

Exam Week - 15 Oct 2018

Module/Topic

Chapter

Events and Submissions/Topic

Relax - there is no examination

A4 Online Quiz Due: Exam Week Friday (19 Oct 2018) 11:45 pm AEST

Term Specific Information

Please post course content questions on the Q&A forum in Moodle so everyone can benefit from the raised enquiry and the resultant reply.

For an individual issue, please initially email the lecturer who will try to respond within 48 hours or so.

Success criteria

To pass this unit, you must receive a minimum mark of 13.5/30 for assessment 3 and achieve an aggregate score of 50% or better from the assessments.

Assessment Tasks

1 A1 Written Assessment

Assessment Type

Written Assessment

Task Description

Assessment 1 will require you to show understanding of the NCC/BCA Volume 1 and how it is applied to a commercial project by drawing on your knowledge of topics 1-2.

Your submission must be made via the assessment link in Moodle, by uploading your file following the on-screen instructions.

Further information will be available on the Moodle site.

Assessment Due Date

Week 5 Tuesday (7 Aug 2018) 11:45 pm AEST

Return Date to Students

Week 7 Tuesday (28 Aug 2018)

Weighting

30%

Assessment Criteria

The assessment will be assessed on the following criteria:

- Clarity and succinctness of expression.
- Adequate coverage of topics discussed.
- Use of supporting information where appropriate and associated references.
- Original thought.
- Overall presentation and the ability to communicate using correct spelling, grammar and punctuation.
- Where appropriate the use of graphs, illustrations and other diagrams that visually support the context of your submission.
- Demonstration of the core knowledge associated with this unit and appropriate application of this knowledge

Referencing Style

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

Submission

Online

Submission Instructions

Submit a single PDF file.

Learning Outcomes Assessed

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

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Information Technology Competence
- Ethical practice

2 A2 Written Assessment

Assessment Type

Written Assessment

Task Description

Assessment 2 will require you to research and discuss construction principles and concepts related to NCC/BCA Class 2 to 9 buildings by drawing on your knowledge of topics 2-3, using a case study to investigate procurement, design and construction.

Your submission must be made via the assessment link in Moodle, by uploading your file following the on-screen instructions.

Further information will be available on the Moodle site.

Assessment Due Date

Week 8 Tuesday (4 Sept 2018) 11:45 pm AEST

Return Date to Students

Week 10 Tuesday (18 Sept 2018)

Weighting

30%

Assessment Criteria

The assessment will be assessed on the following criteria:

- Clarity and succinctness of expression.
- Adequate coverage of topics discussed.
- Use of supporting information where appropriate and associated references.
- Original thought.
- Overall presentation and the ability to communicate using correct spelling, grammar and punctuation.
- Where appropriate the use of graphs, illustrations and other diagrams that visually support the context of your submission.
- Demonstration of the core knowledge associated with this unit and appropriate application of this knowledge

Referencing Style

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

Submission

Online

Submission Instructions

Submit a single PDF file.

Learning Outcomes Assessed

- Describe the functions, materials and details of the major components. the waste management strategies used and the regulatory inspections made when constructing a commercial project.
- Using codes and standards, assess construction documentation for constructability and fault detection.

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Team Work
- Information Technology Competence

3 A3 Written Assessment

Assessment Type

Written Assessment

Task Description

Assessment 3 will require you to review and discuss a completed commercial project by examining building code requirements, procurement strategies, construction principles and other concepts related to the development by drawing on your knowledge of the topics 1-5.

Your submission must be made via the assessment link in Moodle, by uploading your file following the on-screen instructions.

Further information will be available on the Moodle site.

Assessment Due Date

Week 12 Tuesday (2 Oct 2018) 11:45 pm AEST

Return Date to Students

Friday 26/10/18

Weighting

30%

Minimum mark or grade

13.5/30

Assessment Criteria

The assessment will be assessed on the following criteria:

- Clarity and succinctness of expression.
- Adequate coverage of topics discussed.
- Use of supporting information where appropriate and associated references.
- Original thought.
- Overall presentation and the ability to communicate using correct spelling, grammar and punctuation.
- Where appropriate the use of graphs, illustrations and other diagrams that visually support the context of your submission.
- Demonstration of the core knowledge associated with this unit and appropriate application of this knowledge

Referencing Style

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

Submission

Online

Submission Instructions

Submit a single PDF file.

Learning Outcomes Assessed

- Describe the functions, materials and details of the major components. the waste management strategies used and the regulatory inspections made when constructing a commercial project.
- Explain acoustic, fire, health and safety requirements for commercial projects.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

4 A4 Online Quiz

Assessment Type

Online Quiz(zes)

Task Description

The quiz, consisting of 20 multiple choice questions, will open on Monday Week 11 and close on Friday Exam Week. The quiz has a 60 minutes duration and will cover the unit content.

This is a "one attempt only" quiz. Results will be available after the quiz has closed.

Further information will be available on the Moodle site.

Number of Quizzes

1

Frequency of Quizzes

Other

Assessment Due Date

Exam Week Friday (19 Oct 2018) 11:45 pm AEST

Return Date to Students

On completion of the quiz.

Weighting

10%

Assessment Criteria

- Test and apply knowledge based on the unit topics.

Referencing Style

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

Submission

Online

Submission Instructions

Time limited, single attempt only quiz accessed via Moodle site

Learning Outcomes Assessed

- Describe the functions, materials and details of the major components. the waste management strategies used and the regulatory inspections made when constructing a commercial project.
- Describe the temporary works, particularly scaffolding, formwork and falsework and plant selection processes used for commercial construction.
- Using codes and standards, assess construction documentation for constructability and fault detection.
- Explain acoustic, fire, health and safety requirements for commercial projects.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Ethical practice

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