BLAR12057 *Commercial Construction*
Term 2 - 2019

Profile information current as at 01/05/2024 02:59 am

General Information

Overview
This unit will introduce you to the procedures, principles and methods of construction used for commercial projects up to multistory 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 - 2019

- 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 Student evaluation

Feedback

The case study formats used in assignments turned the theory into a more practical application of the subject material. Although I am not involved in construction and found assignment 3 very technical I still saw benefit in the way it was presented.

Recommendation

As students were in their second construction unit, a “project management” lecturing style was trialled to blend theory and practice via case study discussions.

Feedback from Student evaluation

Feedback

The assessments relied too much on students who have construction experience asking specific questions in the forum to be able to obtain the information non-construction students didn't know. There was a lot of information unable to be included in the case studies due to copyright which would assist with answering some parts the questions for the assessments. The marks for each question weren't provided so I don't know where I lost marks or could improve. There are too many variables with the delivery of this unit rather than a structured question and researched answer assessment format.

Recommendation

Allocate time in week 1 to explain the “project management” style of lecturing to students unfamiliar with the method and an assessment rubric would address the marking distribution.

Feedback from Student evaluation

Feedback

Best aspects is writing reports based on real life scenarios. Learning how a commercial building is constructed. Hayden was prompt providing marks and offered a lot of assistance regarding feedback and looking at drafts which was a huge help. Enjoyed listening to his practical experience. Thanks Hayden.

Recommendation

Maintain elements of report writing in future assessment tasks.

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

— N/A Level • Introductory Level • Intermediate Level • Graduate Level ◦ Professional Level ◦ Advanced Level

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	•	•	•	•
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)
- Microsoft Office or equivalent software
- Webcam and microphone/headset

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 - 15 Jul 2019

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 - 22 Jul 2019

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 - 29 Jul 2019

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 - 05 Aug 2019

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 - 12 Aug 2019

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 (13 Aug 2019) 11:45 pm AEST

Vacation Week - 19 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
No scheduled study	Enjoy a short break or use the time toc atch-up or work on an assessment.	

Week 6 - 26 Aug 2019

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 - 02 Sep 2019

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 - 09 Sep 2019

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 (10 Sept 2019) 11:45 pm AEST

Week 9 - 16 Sep 2019

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 - 23 Sep 2019

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 - 30 Sep 2019

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 - 07 Oct 2019

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	**A3 Written Assessment** Due: Week 12 Tuesday (8 Oct 2019) 11:45 pm AEST

Review/Exam Week - 14 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
Review Period		**A4 Online Quiz** Due: Review/Exam Week Friday (18 Oct 2019) 11:45 pm AEST

Exam Week - 21 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
Relax - there is no examination		

Term Specific Information

Success criteria
To pass this unit, you must receive a minimum mark of 13.5/30 for assessment 3 and then, 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 (13 Aug 2019) 11:45 pm AEST

Return Date to Students
Week 7 Tuesday (3 Sept 2019)

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.
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 (10 Sept 2019) 11:45 pm AEST

Return Date to Students
Week 10 Tuesday (24 Sept 2019)

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 (8 Oct 2019) 11:45 pm AEST

Return Date to Students

Friday 01/11/19

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 Tuesday Week 12.
The quiz has a 60 minutes duration and will cover the unit content.
This is a "one attempt only" quiz.
Further information will be available on the Moodle site.
Please note: Results for this assessment will be made available to students after the return date. Consequently, extension requests greater than the duration period from the due date to the return date will be denied except under exceptional circumstances.

Number of Quizzes
1

Frequency of Quizzes
Other

Assessment Due Date
Review/Exam Week Friday (18 Oct 2019) 11:45 pm AEST

Return Date to Students

Friday 18/10/19 after the quiz due date and time expires

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