

#### Profile information current as at 22/05/2024 04:11 am

All details in this unit profile for BLSV14016 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 covers the use of alternative and performance based solutions for building and fire engineering under the Building Code of Australia (BCA) and the formulation of risk management strategies to address the occurrence of fires within buildings. Students will develop knowledge in problem solving, personal and interpersonal skills and using different communication modes.

## Details

Career Level: Undergraduate Unit Level: Level 4 Credit Points: 6 Student Contribution Band: 8 Fraction of Full-Time Student Load: 0.125

# Pre-requisites or Co-requisites

Prereq: BLAR12034 & BLSV12023

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 <u>Assessment Policy and</u> <u>Procedure (Higher Education Coursework)</u>.

### Offerings For Term 2 - 2017

• 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

<u>Metropolitan Campuses</u> Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

 Written Assessment Weighting: 30%
Written Assessment Weighting: 30%
Examination Weighting: 40%

## 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 <u>University's Grades and Results Policy</u> for more details of interim results and final grades.

# **CQUniversity Policies**

### All University policies are available on the <u>CQUniversity Policy site</u>.

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 <u>CQUniversity Policy site</u>.

# 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 Moodle

### Feedback

Mr Poulter has set the course in a format that works very effectively for distance students that work at full time jobs. As with all courses the onus is squarely on the student to study and follow lectures; Mr Poulter provides the information in a direct and efficient manner (no fluff) that ensures the student is in no doubt of what is required and provides a relevant insight into a most valuable industry.

### Recommendation

Maintain the current delivery methodology for this unit.

### Feedback from Moodle

### Feedback

High level thinking required for this subject, with vast experience and knowledge provided by the lectures

### Recommendation

Maintain the current delivery methodology for this unit.

# **Unit Learning Outcomes**

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

- 1. Discuss the use of alternative solutions for complying with the Building Code of Australia (BCA).
- 2. Propose performance based solutions for fire engineering requirements for buildings.
- 3. Formulate risk management options to reduce the occurrence of a fire in a building.
- 4. Engage in the solution of routine and unfamiliar problems using information, technology and logic.
- 5. Practice personal and interpersonal skills.
- 6. Use effectively a range of appropriate communication modes.

# Alignment of Learning Outcomes, Assessment and Graduate Attributes

	N/A	Introductory	Intermediate	Graduate	0	Professional		Advanced
_	Level	Level	Level	Level		Level		Level

# Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes							
	1	2	3	4	5	6		
1 - Written Assessment - 30%	•	٠	•	•	•	•		
2 - Written Assessment - 30%	•	٠	•	•	•	•		
3 - Examination - 40%	•	•	•	•	•	•		

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes			Learning Outcomes						
	1	2	3	4	5	6			
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 - Examination - 40%	•	•	•	•		•		•				

# Textbooks and Resources

# Textbooks

There are no required textbooks.

# IT Resources

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

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Microphone and headset
- Webcam

# Referencing Style

All submissions for this unit must use the referencing style: <u>Harvard (author-date)</u> For further information, see the Assessment Tasks.

# **Teaching Contacts**

### Darryl O'Brien Unit Coordinator <u>d.obrien@cqu.edu.au</u>

# Schedule

Week 1 - 10 Jul 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 1: Performance based solutions and the BCA which is now the National Construction Code (NCC)		
Week 2 - 17 Jul 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 2: Fire Safety Engineering and the International Fire Engineering Guidelines		
Week 3 - 24 Jul 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 3: Implementation, Certification and Maintenance of Fire Engineered Solutions		
Week 4 - 31 Jul 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 4: Human Behaviour, Movement and Other Characteristics		
Week 5 - 07 Aug 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 5: Fire Detection, Suppression and Extinguishment		<b>A1 Written Assessment</b> Due: Week 5 Friday (11 Aug 2017) 5:00 pm AEST
Vacation Week - 14 Aug 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Vacation Week		
Week 6 - 21 Aug 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 6: Fire Brigade and Emergency Services Intervention and Guidance		
Week 7 - 28 Aug 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic7: Fire Tests Used to Determine Building Material Combustibility and Early Fire Hazard Indices		
Week 8 - 04 Sep 2017		
Module/Topic	Chapter	Events and Submissions/Topic

Topic 8: Risk Management and Hazard Identification		
Week 9 - 11 Sep 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 9: Information, Technology and Logic		
Week 10 - 18 Sep 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 10: Building Characteristics, Design, Layout and Space Planning		
Week 11 - 25 Sep 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 11: Special Uses and Fire Engineering - Assembly Buildings		
Week 12 - 02 Oct 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
Topic 12: Special Uses and Fire Engineering - High Rises		
Review/Exam Week - 09 Oct 2017		
Module/Topic	Chapter	<b>Events and Submissions/Topic</b>
		<b>A2 Written Assessment</b> Due: Review/Exam Week Wednesday (11 Oct 2017) 5:00 pm AEST
Exam Week - 16 Oct 2017		
Module/Topic	Chapter	Events and Submissions/Topic

# Assessment Tasks

# 1 A1 Written Assessment

### Assessment Type

Written Assessment

### **Task Description**

Please refer to the Moodle site for specific assessment task description. This assignment has multiple questions. The questions relate to each of the learning outcomes for this unit.

### **Assessment Due Date**

Week 5 Friday (11 Aug 2017) 5:00 pm AEST

### **Return Date to Students**

Two weeks from the submission due date

#### 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**

Please refer to the Moodle site for specific assessment submission criteria.

### Learning Outcomes Assessed

- Discuss the use of alternative solutions for complying with the Building Code of Australia (BCA).
- Propose performance based solutions for fire engineering requirements for buildings.
- Formulate risk management options to reduce the occurrence of a fire in a building.
- Engage in the solution of routine and unfamiliar problems using information, technology and logic.
- Practice personal and interpersonal skills.
- Use effectively a range of appropriate communication modes.

### **Graduate Attributes**

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

### 2 A2 Written Assessment

### Assessment Type

Written Assessment

### **Task Description**

Please refer to the Moodle site for specific assessment task description. This assignment has multiple questions. The guestions relate to each of the learning outcomes for this unit.

### **Assessment Due Date**

Review/Exam Week Wednesday (11 Oct 2017) 5:00 pm AEST

### **Return Date to Students**

Two weeks from the submission due date

### 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**

Please refer to the Moodle site for specific assessment submission criteria.

### Learning Outcomes Assessed

- Discuss the use of alternative solutions for complying with the Building Code of Australia (BCA).
- Propose performance based solutions for fire engineering requirements for buildings.
- Formulate risk management options to reduce the occurrence of a fire in a building.
- Engage in the solution of routine and unfamiliar problems using information, technology and logic.
- Practice personal and interpersonal skills.
- Use effectively a range of appropriate communication modes.

### **Graduate Attributes**

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

### Examination

### Outline

Complete an invigilated examination.

### Date

During the examination period at a CQUniversity examination centre.

Weighting 40%

Length 180 minutes

Minimum mark or grade 50%

Exam Conditions Closed Book.

### Materials

No calculators permitted Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).

# 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 <u>Academic Learning Centre (ALC)</u> can support you in becoming confident in completing assessments with integrity and of high standard.

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





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