



# BLAR13047 Construction Economics 1

## Term 1 - 2023

Profile information current as at 23/04/2024 11:36 pm

All details in this unit profile for BLAR13047 have been officially approved by CQU University 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

As you study this unit, your overall aim is to: understand macro economics, the markets and their dimensions, World and local economies and policy instruments; fully understand the effect of supply, demand prices and stocks; and become familiar with procedures, principles and methods of project costing, bills of quantities and life cycle analysis.

#### Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

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 - 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: 35%

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

Weighting: 35%

### 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 Unit and Teaching Evaluation Survey

##### Feedback

Students suggested that assessment items were relevant and drawn from the unit material.

##### Recommendation

The teaching team continue to include relevant assessment items that support students in achieving the unit learning outcomes.

#### Feedback from Student Unit and Teaching Evaluation Survey

##### Feedback

One student suggested the need to review the study guide and remove words which may point to a specific gender.

##### Recommendation

The teaching team will review the Study Guide and ensure that it is written in a language which is gender neutral.

## Unit Learning Outcomes

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

1. Describe the various activities, and marketplace relationships that exist in the national economy
2. Explain the need for economic policy and the ability for policy to resolve economic problems
3. Describe the impact of supply and demand on the construction industry
4. Describe the basic requirements, procedures and benefits of building lifecycle costing and project cost estimating
5. Have an understanding of how computer based estimating tools can assist the preparation of project costing, estimating and administration

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Written Assessment - 30%	•	•	•		
2 - Written Assessment - 35%			•	•	
3 - Written Assessment - 35%				•	•

### 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					

### 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 - 35%	•	•	•	•		•				
3 - Written Assessment - 35%	•	•	•	•		•				

## Textbooks and Resources

### Textbooks

BLAR13047

#### Prescribed

##### **Construction Economics: A New Approach**

Edition: 4th (2016)

Authors: Danny Myers

Milton: CRC Press LLC

ISBN: 9781138183711

Binding: Paperback

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#### Supplementary

##### **Basic Building Economics**

(1999)

Authors: J. Sierra

Australian Institute of Quantity Surveyors

Binding: Paperback

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#### Supplementary

##### **Construction Industry Specifications**

Edition: 1st (1995)

Authors: David. Standen

The Royal Australian Institute of Architects

ISBN: 9780909825300

Binding: Paperback

#### Additional Textbook Information

The prescribed textbook can be accessed online at the CQUniversity Library website. Access may be limited.

If you would prefer your own copy, purchase either paper or eBook versions at the CQUni Bookshop here:

<http://bookshop.cqu.edu.au> (search on the Unit code)

### IT Resources

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

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Endnote
- MS 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

**Neda Abbasi** Unit Coordinator

[n.abbasi@cqu.edu.au](mailto:n.abbasi@cqu.edu.au)

## Schedule

**Week 1 - 06 Mar 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 1: Introduction to economics		

**Week 2 - 13 Mar 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 2: Macro economics		

**Week 3 - 20 Mar 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 3: Micro economics - Supply and demand		

**Week 4 - 27 Mar 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 3: Micro economics - Supply and demand (continued)		

**Week 5 - 03 Apr 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 4: Life cycle cost analysis		<b>A1</b> Due: Week 5 Tuesday (4 Apr 2023) 11:45 pm AEST

**Vacation Week - 10 Apr 2023**

Module/Topic	Chapter	Events and Submissions/Topic
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**Week 6 - 17 Apr 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 4: Life cycle cost analysis (continued)		

**Week 7 - 24 Apr 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 5: Project costing and estimating		

**Week 8 - 01 May 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 5: Project costing and estimating (continued)		<b>A2</b> Due: Week 8 Tuesday (2 May 2023) 11:45 pm AEST

**Week 9 - 08 May 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 6: Bills of quantities		

**Week 10 - 15 May 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 6: Bills of quantities (continued)		

**Week 11 - 22 May 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 7: Computer based costing		

**Week 12 - 29 May 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Topic 7: Computer based costing (continued)		<b>A3</b> Due: Week 12 Tuesday (30 May 2023) 11:45 pm AEST

**Review/Exam Week - 05 Jun 2023**

Module/Topic

Chapter

Events and Submissions/Topic

**Exam Week - 12 Jun 2023**

Module/Topic

Chapter

Events and Submissions/Topic

## Assessment Tasks

### 1 A1

#### Assessment Type

Written Assessment

#### Task Description

Assessment 1 relates to the learning outcomes 1 to 3. The assessment questions cover aspects of structural changes in the economy (Global and Local) and the economic policy. The assessment length is approximately 2000 words (+-10%).

#### Assessment Due Date

Week 5 Tuesday (4 Apr 2023) 11:45 pm AEST

#### Return Date to Students

Week 7 Tuesday (25 Apr 2023)

#### Weighting

30%

#### Assessment Criteria

*Presentation and layout*—includes demonstrated ability to prepare a **professional technical report** as part of the audit process, use of grammar, the selection of typeface, written and general appearance of the document or assignment, attention to detail and quality of arrangement with regard to page numbering, headings, margins, footnotes and similar details to provide a professional document presentation.

*Content*—includes the accuracy and relevance of the information supplied in relation to the set task, using an 'easy to read' language style.

*References*—includes the use of the Harvard Referencing System to reference information, data, tables or images used when preparing a response to the set task.

#### Referencing Style

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

#### Submission

Online

#### Submission Instructions

Submit your file via the Assessment block of the Moodle page of the unit

#### Learning Outcomes Assessed

- Describe the various activities, and marketplace relationships that exist in the national economy
- Explain the need for economic policy and the ability for policy to resolve economic problems
- Describe the impact of supply and demand on the construction industry

#### Graduate Attributes

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

### 2 A2

#### Assessment Type

Written Assessment

#### Task Description

Assessment 2 relates to the learning outcomes 3 and 4. The assessment questions cover aspects of supply and demand

of the economy. Aspects of life cycle analysis, cost analysis and source data for cost analysis calculations are also covered. The assessment length is approximately 2000 words (+-10%).

**Assessment Due Date**

Week 8 Tuesday (2 May 2023) 11:45 pm AEST

**Return Date to Students**

Week 10 Tuesday (16 May 2023)

**Weighting**

35%

**Assessment Criteria**

*Presentation and layout*—includes demonstrated ability to prepare a **professional technical report** as part of the audit process, use of grammar, the selection of typeface, written and general appearance of the document or assignment, attention to detail and quality of arrangement with regard to page numbering, headings, margins, footnotes and similar details to provide a professional document presentation.

*Content*—includes the accuracy and relevance of the information supplied in relation to the set task, using an 'easy to read' language style.

*References*—includes the use of the Harvard Referencing System to reference information, data, tables or images used when preparing a response to the set task.

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

Submit your file via the Assessment block of the Moodle page of the unit

**Learning Outcomes Assessed**

- Describe the impact of supply and demand on the construction industry
- Describe the basic requirements, procedures and benefits of building lifecycle costing and project cost estimating

**Graduate Attributes**

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

## 3 A3

**Assessment Type**

Written Assessment

**Task Description**

Assessment 3 relates to learning outcomes 4 and 5. The assessment questions cover aspects of quantity calculations to suit specific projects, procedures and key practices for the compilation of estimates and the impact of estimating software on the estimation methodologies. The assessment length is approximately 2000 words (+-10%).

**Assessment Due Date**

Week 12 Tuesday (30 May 2023) 11:45 pm AEST

**Return Date to Students**

Within two weeks of the submission and before the certification of grades

**Weighting**

35%

**Minimum mark or grade**

To succeed in this unit, you must achieve 40% in assessment 3 (14 out of 35)

**Assessment Criteria**

*Presentation and layout*—includes demonstrated ability to prepare a professional technical report as part of the audit process, use of grammar, the selection of typeface, written and general appearance of the document or assignment, attention to detail and quality of arrangement with regard to page numbering, headings, margins, footnotes and similar details to provide a professional document presentation.



*Content*—includes the accuracy and relevance of the information supplied in relation to the set task, using an ‘easy to read’ language style.

*References*—includes the use of the Harvard Referencing System to reference information, data, tables or images used when preparing a response to the set task.

### **Referencing Style**

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

### **Submission**

Online

### **Submission Instructions**

Submit your file via the Assessment block of the Moodle page of the unit

### **Learning Outcomes Assessed**

- Describe the basic requirements, procedures and benefits of building lifecycle costing and project cost estimating
- Have an understanding of how computer based estimating tools can assist the preparation of project costing, estimating and administration

### **Graduate Attributes**

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

## 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