



BLCN29004 Construction Procurement and Cost Planning

Term 1 - 2023

Profile information current as at 27/04/2024 10:39 pm

All details in this unit profile for BLCN29004 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

While construction procurement is essential in planning delivery methods and procurement tasks of a construction project, cost planning is critical to the financial management of the project throughout all phases of the building life cycle. Construction procurement is always associated with cost and cost planning is dependent on construction procurement. In this unit, therefore, you will study cost planning along with the knowledge of construction procurement. You will develop skills to critically examine the complexity of issues associated with strategic procurement and components of sustainable procurement processes. You will also analyse the impact of construction procurement decisions on economic, environmental, social, and cultural outcomes referring to a number of national and international case studies. This will enable you to reflect on the key themes in relation to procurement strategies, i.e. partnering culture as well as management of risks, stakeholder relationships, and supply chains. The knowledge gained here will eventually make you confident in practicing construction procurement within complex construction management environments in the public and private sectors. In the cost planning spectrum, the unit covers broader insights of design economics, cost estimating procedures, cost control mechanisms, and life cycle analysis for construction projects. The application of critical self-reflection skills and research principles and methods relevant to the construction industry will help you to prepare for dynamic construction industry environments and make sound professional decisions.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisites: BLCN29001 Construction Technology and BLCN29003 Construction Measurement

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

- Brisbane
- Perth

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 Postgraduate 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: 20%

2. **Research Assignment**

Weighting: 50%

3. **Reflective Practice Assignment**

Weighting: 30%

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 CQU Sute Student Feedback comments

Feedback

The learning approach was experienced as very helpful to the students. The students commented that it made them feel comfortable to share ideas.

Recommendation

This learning and teaching in this unit will continue to actively engage students in the class discussions and support sharing of professional knowledge on Construction Management practice.

Feedback from Industry engagement event organised by unit lecturer

Feedback

Through this class students made contact with industry professionals and prepared for a boardroom presentation.

Recommendation

Continue building students' learning and skills development in connection with industry stakeholders.

Unit Learning Outcomes

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

1. Critically examine concepts and principles of construction procurement and cost planning across the building lifecycle
2. Apply contemporary practice and research knowledge to project-specific contexts, managing project budget and feasibility
3. Evaluate the impacts of construction procurement decisions on economic, environmental, social, and cultural outcomes
4. Reflect on the key themes of procurement strategies and cost planning in contemporary management contexts.

This unit enhances your professional construction management knowledge and industry attributes in areas such as elemental cost planning, budget and cost control, procurement methods and contracting as well as sustainable procurement strategies and life cycle assessment.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Written Assessment - 20%	•	•		
2 - Research Assignment - 50%		•	•	•
3 - Reflective Practice Assignment - 30%	•		•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Knowledge				
2 - Communication				
3 - Cognitive, technical and creative skills				
4 - Research				
5 - Self-management				
6 - Ethical and Professional Responsibility				
7 - Leadership				
8 - Aboriginal and Torres Strait Islander Cultures				

Textbooks and Resources

Textbooks

BLCN29004

Supplementary

Building Procurement

Edition: 2nd (2013)

Authors: Morledge, R., Smith, A. J., & Appiah, S. Y.

John Wiley & Sons

Hoboken , New Jersey , USA

ISBN: 9780470672433

Binding: eBook

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Supplementary

Collaborative Construction Procurement and Improved Value

Edition: latest (2019)

Authors: David Mosey

Wiley Blackwell

Newark , New York , USA

ISBN: 9781119151913

Binding: eBook

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Supplementary

The Aqua Group Guide to Procurement, Tendering and Contract Administration

Edition: latest (2016)

Authors: Hackett, Mark & Statham, Gary

John Wiley & Sons

New York , New York , USA

ISBN: 9781118346549

Binding: eBook

Additional Textbook Information

Textbooks can be accessed online at the CQUniversity Library website. If you prefer your own copy, you can purchase either paper or eBook versions 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)

Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Gesa Ruge Unit Coordinator

g.ruge@cqu.edu.au

Schedule

Week 1 - 06 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to procurement and cost planning	Recommended reading textbook Morledge and Smith, Chapter 2 and 3, and other resources provided on the weekly Moodle learning site.	Week 1 Unit introduction, learning and teaching activities and assessment for learning. The lecture and tutorial workshop provide an introduction to the key concepts and principles for this unit.

Week 2 - 13 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Procurement and cost planning strategies	Recommended reading textbook Morledge and Smith, Chapter 4, 7 and 13, and other resources provided on the weekly Moodle learning site.	Week 2 learning examines contemporary international case studies to explore the importance of procurement and cost planning strategies. Introduction to Assessment 1 (20%) (ULO 1 and 2; GA 1,2,3,5 and 7). This written assignment engages students in learning topics Week 1 to 4 with focus on: Analysis of procurement strategy and pre-construction cost planning decision making towards tender selection.

Week 3 - 20 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Pre-construction procurement and cost planning	Recommended reading textbook Morledge and Smith, Chapter 5 and 6, and other resources provided on the weekly Moodle learning site.	Week 3 lecture and tutorial workshop expand practice knowledge and skills in managing construction procurement at the important project start-up, project team and design development stages.

Week 4 - 27 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Construction procurement team and tender processes	Recommended reading textbook Morledge and Smith, Chapter 8 and 9 and other resources provided on the weekly Moodle learning site.	Week 4 expands the insights into construction procurement for project team and tendering, including management of risk, relationships and supply chain issues.

Week 5 - 03 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Collaborative construction procurement strategies

Recommended reading textbook Mosey, Chapter 1 and 2 as well as other resources provided on the weekly Moodle learning site.

Week 5 lecture and tutorial introduce collaborative construction procurement strategies and how the underlying values of collaboration can be established and implemented through procurement process activities.

Submission of Assignment 1 is due this week. Introduction to Assessment 2 (50%; ULO 2,3,4 ; GA 1to 7). This major research assignment focuses on the application of procurement and cost management analysis. Research and development of a construction procurement and cost plan with evaluation of project specific issues and recommendations. This includes reflections on ethical, social, economic, environmental considerations.

Assignment 1 Due: Week 5 Friday (7 Apr 2023) 11:45 pm AEST

Vacation Week - 10 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Lecture and Tutorial Free Week		

Week 6 - 17 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Construction procurement and cost control management	Recommended reading textbook Hackett and Stratham, Chapter 12 and 18 and other resources provided on the weekly Moodle learning site.	Week 6 lecture and tutorial workshop cover procurement management activities for cost control during construction stages. Aspects related to contract, cost-planning, project budget management and lifecycle costing are explored.

Week 7 - 24 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Construction cost and value management	Recommended reading textbook Morledge and Smith, Chapter 10 and 11, and other resources provided on the weekly Moodle learning site	Week 7 lecture and tutorial workshop investigate construction procurement risk and value management across project stages and for lifecycle costing

Week 8 - 01 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Sustainable construction procurement practices	Recommended reading textbook Hackett and Stratham, Chapter 33 and other resources provided on the weekly Moodle learning site.	Week 8 lecture and tutorial workshop explore current sustainable procurement practices to enhance triple bottom line outcomes for construction projects.

Week 9 - 08 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Procurement management of project variations and construction defects

Recommended reading textbook Hackett and Stratham, Chapter 31 as well as other resources provided on the weekly Moodle learning site.

Week 9 Lecture and Tutorial workshop focuses on procurement management of project variations and construction defects in complex construction team environments. Assessment 2 is due this week.

Introduction to Reflective Practice Assessment 3 (30%; ULO 1,3,4; GA 1 to 7).

Reflect and apply unit learning including ethical and professional dimensions, construction procurement models and propose cost planning strategies to support project outcomes and with lifecycle considerations.

Assignment 2 Due: Week 9 Friday (12 May 2023) 11:45 pm AEST

Week 10 - 15 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Procurement Management: professional and ethical responsibilities	Recommended reading textbook Morledge and Smith, Chapter 12 and 14, and other resources provided on the weekly Moodle learning site.	Week 10 Lecture and tutorial workshop review and reflect on the important role of the construction procurement professional including ethical responsibilities.

Week 11 - 22 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Construction procurement and cost management trends: local and global	The relevant documents with additional reading and resources will be available on the weekly Moodle learning site.	Week 11 learning extends insights to construction procurement in international contexts, with local and global management considerations.

Week 12 - 29 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Unit Learning Review		Week 12 Student-led presentation to review and reflect on the learning and skills development in this unit.
		Assignment 3 Due: Week 12 Friday (2 June 2023) 11:45 pm AEST

Review/Exam Week - 05 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 12 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Assessment Tasks

1 Assignment 1

Assessment Type

Written Assessment

Task Description

Assessment 1 (20%) (ULO 1 and 2; GA 1,2,3,5 and 7). This written assignment engages students in learning topics Week 1 to 4 with a focus on: Analysis of procurement strategy and pre-construction cost planning decision making towards tender selection.

Assessment Due Date

Week 5 Friday (7 Apr 2023) 11:45 pm AEST

Student to submit via Turnitin

Return Date to Students

Week 7 Friday (28 Apr 2023)

Student to access via Turnitin

Weighting

20%

Assessment Criteria

The assignment will be assessed on quality of work submitted, relevance and coherence to the specific question and tasks. This includes clear argumentation and use of quality references (in-text and bibliography). The content prepared is to expand beyond the learning material provided and demonstrates the student's development of the unit learning outcomes and graduate attributes. Students will work with a marking rubric for self-review and receive formative and summative feedback.

Referencing Style

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

Submission

Online

Submission Instructions

Online submission via Moodle unit learning site

Learning Outcomes Assessed

- Critically examine concepts and principles of construction procurement and cost planning across the building lifecycle
- Apply contemporary practice and research knowledge to project-specific contexts, managing project budget and feasibility

2 Assignment 2

Assessment Type

Research Assignment

Task Description

Assessment 2 (50%; ULO 2,3,4 ; GA 1 to 7). This major research assignment focuses on the application of procurement and cost management analysis. Research and development of a construction procurement and cost plan with evaluation of project specific issues and recommendations. This includes reflections on ethical, social, economic and environmental considerations.

Assessment Due Date

Week 9 Friday (12 May 2023) 11:45 pm AEST

Student to submit via Turnitin

Return Date to Students

Week 11 Friday (26 May 2023)

Student to access via Turnitin

Weighting

50%

Assessment Criteria

The assignment will be assessed on quality of work submitted, relevance and coherence to the specific question and tasks. This includes clear argumentation and use of quality references (in-text and bibliography). The content prepared is to expand beyond the learning material provided and demonstrates the student's development of the unit learning outcomes and graduate attributes. Students will work with a marking rubric for self-review and receive formative and summative feedback.

Referencing Style

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

Submission

Online

Submission Instructions

Online submission via Moodle unit learning site

Learning Outcomes Assessed

- Apply contemporary practice and research knowledge to project-specific contexts, managing project budget and feasibility
- Evaluate the impacts of construction procurement decisions on economic, environmental, social, and cultural outcomes
- Reflect on the key themes of procurement strategies and cost planning in contemporary management contexts.

3 Assignment 3

Assessment Type

Reflective Practice Assignment

Task Description

Reflective Practice Assessment 3 (30%; ULO 1,3,4; GA 1 to 7). Reflect and apply unit learning including ethical and professional dimensions, construction procurement models and propose cost planning strategies to support project outcomes and with lifecycle considerations.

Assessment Due Date

Week 12 Friday (2 June 2023) 11:45 pm AEST

Submit by via Turnitin

Return Date to Students

Exam Week Friday (16 June 2023)

Student to access via Moodle

Weighting

30%

Assessment Criteria

The assignment will be assessed on quality of work submitted, relevance and coherence to the specific question and tasks. This includes clear argumentation and use of quality references (in-text and bibliography). The content prepared is to expand beyond the learning material provided and demonstrates the student's development of the unit learning outcomes and graduate attributes. Students will work with a marking rubric for self-review and receive formative and summative feedback.

Referencing Style

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

Submission

Online

Submission Instructions

Online Submission via Moodle unit learning site

Learning Outcomes Assessed

- Critically examine concepts and principles of construction procurement and cost planning across the building lifecycle
- Evaluate the impacts of construction procurement decisions on economic, environmental, social, and cultural outcomes
- Reflect on the key themes of procurement strategies and cost planning in contemporary management contexts.

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