UNSW Course Outline

CONS0023 Construction Cost and Value Management - 2024

Published on the 17 May 2024

General Course Information

Course Code : CONS0023
Year : 2024
Term : Term 2
Teaching Period : T2
Is a multi-term course? : No
Faculty : Faculty of Arts, Design and Architecture
Academic Unit : School of Built Environment
Delivery Mode : Multimodal
Delivery Format : Standard
Delivery Location : Kensington
Campus : Sydney
Study Level : Postgraduate
Units of Credit : 6

<u>Useful Links</u>

<u>Handbook</u> <u>Class Timetable</u>

Course Details & Outcomes

Course Description

Construction Cost and Value Management covers the forecasting, analysing, planning control and accounting of construction costs and the practice of value management in the construction industry. You will be introduced to construction cost information, databases practices, including

total cost control and value management for construction projects.

Relationship to Other Courses

N.A.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Appraise the decision-making processes in construction cost and value management.
CLO2 : Discuss the key aspects and processes of pre and post contract cost management.
CLO3 : Discuss value for money considerations in construction costing and value management processes.
CLO4 : Apply technical skills for cost and value management of construction projects using appropriate tools.

Course Learning Outcomes	Assessment Item
CLO1 : Appraise the decision-making processes in construction cost and value management.	• Tutorial Exercises • Group Report • Individual Report
CLO2 : Discuss the key aspects and processes of pre and post contract cost management.	• Tutorial Exercises • Group Report • Individual Report
CLO3 : Discuss value for money considerations in construction costing and value management processes.	• Tutorial Exercises • Group Report • Individual Report
CLO4 : Apply technical skills for cost and value management of construction projects using appropriate tools.	• Tutorial Exercises • Group Report

Learning and Teaching Technologies

Moodle - Learning Management System | Blackboard Collaborate

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Tutorial Exercises Assessment Format: Individual	30%	
Group Report Assessment Format: Group	30%	
Individual Report Assessment Format: Individual	40%	

Assessment Details

Tutorial Exercises

Assessment Overview

You will work on a number of tutorial exercises through the term. Grading will be done against assessment criteria accompanied by written feedback.

Course Learning Outcomes

- CLO1 : Appraise the decision-making processes in construction cost and value management.
- CLO2 : Discuss the key aspects and processes of pre and post contract cost management.
- CLO3 : Discuss value for money considerations in construction costing and value management processes.
- CLO4 : Apply technical skills for cost and value management of construction projects using appropriate tools.

Group Report

Assessment Overview

In a group, you will produce a report on construction cost and value management case studies and present it to the class. Grading will be done against assessment criteria accompanied by oral and written feedback to the group.

Course Learning Outcomes

- CLO1 : Appraise the decision-making processes in construction cost and value management.
- CLO2 : Discuss the key aspects and processes of pre and post contract cost management.
- CLO3 : Discuss value for money considerations in construction costing and value management processes.
- CLO4 : Apply technical skills for cost and value management of construction projects using appropriate tools.

Individual Report

Assessment Overview

You will write a critical review on a selected topic relating to construction cost and value management. Grading will be done against assessment criteria, accompanied by written feedback.

Course Learning Outcomes

- CLO1 : Appraise the decision-making processes in construction cost and value management.
- CLO2 : Discuss the key aspects and processes of pre and post contract cost management.
- CLO3 : Discuss value for money considerations in construction costing and value management processes.

General Assessment Information

Course specific guidance or rules on the use of AI

Permission level - Simple Editing Assistance

For all assessment tasks in this course, you may use AI-based software to research prior to writing your assessment. You are permitted to use standard editing and referencing functions in word processing software, this is limited to spelling and grammar checking and reference citation generation in your submission.

You MUST NOT use any functions that generate or paraphrase [or translate] passages of text, whether based on your own work or not.

Please note that your submission will be passed through an AI-generated text detection tool. If your marker has concerns that your answer contains passages of AI-generated text you may be asked to explain your work. If you are unable to satisfactorily demonstrate your understanding of your submission you may be referred to UNSW Conduct & Integrity Office for investigation for academic misconduct and possible penalties.

Grading Basis

Standard

Requirements to pass course

Achieve a composite mark of at least 50 out of 100.

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 27 May - 2 June	Lecture	Course Introduction; Introduction to construction cost and value management
Week 2 : 3 June - 9 June	Lecture	VM methodology; Design economics (value for money)
Week 3 : 10 June - 16 June	Lecture	Construction cost databases; Cost analysis
Week 4 : 17 June - 23 June	Lecture	Construction estimating; Pre-tender estimating; Cost planning (value for money)
Week 5 : 24 June - 30 June	Lecture	Tender estimating; Multi-criteria contractor selection (value for money)
Week 6 : 1 July - 7 July	Reading	Reading week
Week 7 : 8 July - 14 July	Lecture	Cost managment during construction stage
Week 8 : 15 July - 21 July	Lecture	Guest lecture on VM case studies
Week 9 : 22 July - 28 July	Lecture	Group PowerPoint presentations on case studies
Week 10 : 29 July - 4 August	Lecture	Group PowerPoint presentations on case studies

Attendance Requirements

You are expected to be regular and punctual in attendance at all classes for the School of Built Environment courses in which you are enrolled. If and where individual courses have specific attendance requirements, these will be stated in the course outline.

If you do not attend, engage, or participate in scheduled class activities, including lectures, tutorials, studios, labs, etc, you run the risk of failing a course.

If illness or unexpected and beyond your control circumstances prevent you from completing a task on time, or substantially disturb your assessment performance, you should apply for Special Consideration, as soon as practicable, accompanied by appropriate documentation.

No special consideration will be provided if you miss out on essential course information and materials, or if you miss assessment tasks and deadlines due to unexplained absences or an unapproved lack of attendance.

You may be advised by the Course Convenor to withdraw from the course if significant learning activities are missed.

General Schedule Information

A learning program is available on the course Moodle for your reference.

Course Resources

Recommended Resources

There is no textbook prescribed for this course. Students are encouraged to read as widely as possible on the topic areas covered in this course. Recommended weekly readings will be disseminated via the course Moodle.

Course Evaluation and Development

We encourage and support students to maintain regular contact with the course convenor to provide informal feedback throughout the course. For specific issues or detailed feedback, please arrange a meeting with the course convenor via email.

In this course there is an option for students to provide anonymous feedback via the course's Moodle page, which is directly sent to the convenor. As a final step, students are invited to share their insights and experiences by completing the MyExperience survey. The feedback gathered each year is integral to the continuous enhancement and development of the course.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Lecturer	Bee Oo		Room 3011, Anita B Lawrence West Wing	+61 2 9065 7148	After class or appointment by email	Yes	Yes

Other Useful Information

Academic Information

Due to evolving advice by NSW Health, students must check for updated information regarding online learning for all Arts, Design and Architecture courses this term (via Moodle or course information provided).

Please see: https://www.unsw.edu.au/arts-design-architecture/student-life/resources-support/protocols-guidelines for essential student information relating to:

- UNSW and Faculty policies and procedures;
- Student Support Services;
- Dean's List;

- review of results;
- credit transfer;
- cross-institutional study and exchange;
- examination information;
- enrolment information;
- Special Consideration in the event of illness or misadventure;
- student equity and disability;

And other essential academic information.

Academic Honesty and Plagarism

Plagiarism is using the words or ideas of others and presenting them as your own. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement.

UNSW groups plagiarism into the following categories:

- Copying: Using the same or very similar words to the original text or idea without acknowledging the source or using quotation marks. This includes copying materials, ideas or concepts from a book, article, report or other written document, presentation, composition, artwork, design, drawing, circuitry, computer program or software, website, internet, other electronic resource, or another person's assignment without appropriate acknowledgement.
- Inappropriate paraphrasing: Changing a few words and phrases while mostly retaining the original information, structure and/or progression of ideas of the original without acknowledgement. This also applies in presentations where someone paraphrases another's ideas or words without credit and to piecing together quotes and paraphrases into a new whole, without appropriate referencing.
- Collusion: Working with others but passing off the work as a person's individual work. Collusion also includes providing your work to another student for the purpose of them plagiarising, paying another person to perform an academic task, stealing or acquiring another person's academic work and copying it, offering to complete another person's work or seeking payment for completing academic work.
- Inappropriate citation: Citing sources which have not been read, without acknowledging the "secondary" source from which knowledge of them has been obtained.
- Duplication ("self-plagiarism"): Submitting your own work, in whole or in part, where it has previously been prepared or submitted for another assessment or course at UNSW or another university.

The UNSW Academic Skills support offers resources and individual consultations. Students are also reminded that careful time management is an important part of study. One of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and proper referencing of sources in preparing all assessment items. UNSW

Library has the ELISE tool available to assist you with your study at UNSW. ELISE is designed to introduce new students to studying at UNSW, but it can also be a great refresher during your study.

Completing the ELISE tutorial and quiz will enable you to:

- analyse topics, plan responses and organise research for academic writing and other assessment tasks
- effectively and efficiently find appropriate information sources and evaluate relevance to your needs
- use and manage information effectively to accomplish a specific purpose
- better manage your time
- understand your rights and responsibilities as a student at UNSW
- be aware of plagiarism, copyright, UNSW Student Code of Conduct and Acceptable Use of UNSW ICT Resources Policy
- be aware of the standards of behaviour expected of everyone in the UNSW community
- locate services and information about UNSW and UNSW Library

Use of AI for assessments

As AI applications continue to develop, and technology rapidly progresses around us, we remain committed to our values around academic integrity at UNSW. Where the use of AI tools, such as ChatGPT, has been permitted by your course convener, they must be properly credited and your submissions must be substantially your own work.

In cases where the use of AI has been prohibited, please respect this and be aware that where unauthorised use is detected, penalties will apply.

Use of AI for assessments | UNSW Current Students

Submission of Assessment Tasks

Turnitin Submission

If you encounter a problem when attempting to submit your assignment through Turnitin, please telephone External Support on 9385 3331 or email them on externalteltsupport@unsw.edu.au

Support hours are 8:00am – 10:00pm on weekdays and 9:00am – 5:00pm on weekends (365 days a year). If you are unable to submit your assignment due to a fault with Turnitin, you may apply for an extension, but you must retain your ticket number from External Support (along with any other relevant documents) to include as evidence to support your extension application. If

you email External Support, you will automatically receive a ticket number, but if you telephone, you will need to specifically ask for one. Turnitin also provides updates on their system status on Twitter.

Generally, assessment tasks must be submitted electronically via either Turnitin or a Moodle assignment. In instances where this is not possible, alternative submission details will be stated on your course's Moodle site. For information on how to submit assignments online via Moodle: https://student.unsw.edu.au/how-submit-assignment-moodle

Late Submission Penalty

UNSW has a standard late submission penalty of:

- 5% per calendar day,
- for all assessments where a penalty applies,
- capped at five calendar days (120 hours) from the assessment deadline, after which a student cannot submit an assessment, and
- no permitted variation.

Students are expected to manage their time to meet deadlines and to request Special Consideration as early as possible before the deadline. Support with Time Management is available here.

School Contact Information

beadmin@unsw.edu.au