



UNSW Course Outline

CONS0013 Construction Management Theory and Practice - 2024

Published on the 23 Sep 2024

General Course Information

Course Code : CONS0013

Year : 2024

Term : Term 3

Teaching Period : T3

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

Useful Links

[Handbook Class Timetable](#)

Course Details & Outcomes

Course Description

In this course, you will create a Construction Project Management Plan (CPMP) for a large-scale

construction project. In the process you will refine your practical skills in planning, executing, monitoring, and controlling complex projects. You will learn how to incorporate various sub-plans, including scope, schedule, cost, risk, quality, health, safety, security, environmental, sustainability, procurement, stakeholder, communication, and change management plans into the larger CPMP.

Course Learning Outcomes

Course Learning Outcomes
CL01 : Apply the theory of project management to construction projects.
CL02 : Prepare a complex and comprehensive Construction Project Management Plan inclusive of subsidiary management plans.
CL03 : Demonstrate leadership and interpersonal skills through collaboration in managing complex construction projects.

Course Learning Outcomes	Assessment Item
CL01 : Apply the theory of project management to construction projects.	<ul style="list-style-type: none">• Quiz• Weekly tutorial tasks• Case Study - Construction Project Management Plan
CL02 : Prepare a complex and comprehensive Construction Project Management Plan inclusive of subsidiary management plans.	<ul style="list-style-type: none">• Weekly tutorial tasks• Case Study - Construction Project Management Plan
CL03 : Demonstrate leadership and interpersonal skills through collaboration in managing complex construction projects.	<ul style="list-style-type: none">• Weekly tutorial tasks• Case Study - Construction Project Management Plan

Learning and Teaching Technologies

Moodle - Learning Management System

Learning and Teaching in this course

The lectures, tutorials and assessments in this course are designed to encourage and support active and self-directed learning. Tutorials are discussion based. Guest lectures expose you to real-life construction projects and case studies and provide opportunities to link theory to practice. In this course, a flipped classroom pedagogy is employed, whereby learning materials such as readings, videos, or online lectures are made available to you in advance of the class session.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Quiz Assessment Format: Individual	30%	Due Date: Week 5: 07 October - 13 October, Week 10: 11 November - 17 November
Weekly tutorial tasks Assessment Format: Individual	40%	Due Date: Weeks 1-10
Case Study - Construction Project Management Plan Assessment Format: Group	30%	Due Date: Week 11: 18 November - 24 November

Assessment Details

Quiz

Assessment Overview

You will be tested through multiple choice questions covering the theory and practice of Construction Management. Individual feedback will be provided upon completion via marking sheet and general feedback will be provided during the tutorial.

Course Learning Outcomes

- CL01 : Apply the theory of project management to construction projects.

Generative AI Permission Level

No Assistance

This assessment is designed for you to complete without the use of any generative AI. You are not permitted to use any generative AI tools, software or service to search for or generate information or answers.

For more information on Generative AI and permitted use please see [here](#).

Weekly tutorial tasks

Assessment Overview

In weekly tutorials you will explore questions related to a project management plan. Completed tutorials will undergo peer and tutor assessment, with written feedback provided.

Course Learning Outcomes

- CL01 : Apply the theory of project management to construction projects.
- CL02 : Prepare a complex and comprehensive Construction Project Management Plan

inclusive of subsidiary management plans.

- CLO3 : Demonstrate leadership and interpersonal skills through collaboration in managing complex construction projects.

Detailed Assessment Description

Weekly tutorial tasks

Generative AI Permission Level

No Assistance

This assessment is designed for you to complete without the use of any generative AI. You are not permitted to use any generative AI tools, software or service to search for or generate information or answers.

For more information on Generative AI and permitted use please see [here](#).

Case Study - Construction Project Management Plan

Assessment Overview

In a group assignment based on a real-life case, you will develop a comprehensive Construction Project Management Plan (CPMP). This includes essential flowcharts, subsidiary plans, and relevant documents for project execution, monitoring, and control. You will be graded against a rubric, accompanied by written feedback.

Course Learning Outcomes

- CLO1 : Apply the theory of project management to construction projects.
- CLO2 : Prepare a complex and comprehensive Construction Project Management Plan inclusive of subsidiary management plans.
- CLO3 : Demonstrate leadership and interpersonal skills through collaboration in managing complex construction projects.

Detailed Assessment Description

Case Study - Construction Project Management Plan

Generative AI Permission Level

No Assistance

This assessment is designed for you to complete without the use of any generative AI. You are not permitted to use any generative AI tools, software or service to search for or generate information or answers.

For more information on Generative AI and permitted use please see [here](#).

General Assessment Information

Grading Basis

Standard

Requirements to pass course

To pass this course, a student must receive at least 50% of the aggregate marks for all the assessment tasks

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 0 : 2 September - 8 September	Online Activity	Team formation and project selection Review the course outline, and assignment guidelines, form a team, and select a case project.
Week 1 : 9 September - 15 September	Lecture	Project management processes and project management knowledge areas: theory and practice
	Tutorial	<ul style="list-style-type: none"> • Finalise team formation and project selection. • Develop and present project charter.
	Online Activity	<ul style="list-style-type: none"> • Submit project charter • Assess your peers' project charter
Week 2 : 16 September - 22 September	Lecture	Construction project scope management and scope baseline
	Tutorial	Develop and present project scope management plan.
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project scope management plan • Complete peer assessment
Week 3 : 23 September - 29 September	Lecture	Construction project time management and schedule baseline
	Tutorial	• Develop and present project schedule management plan and schedule baseline.
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project schedule management plan and baseline • Complete peer assessment
Week 4 : 30 September - 6 October	Lecture	Project management processes and project management knowledge areas: theory and practice
	Tutorial	• Develop and present project cost and financial management plan.
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project cost and financial management plan • Complete peer assessment
Week 5 : 7 October - 13 October	Lecture	Construction project quality management: assurance and control
	Tutorial	Develop and present project quality management plan.
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project quality management plan • Complete peer assessment
Week 6 : 14 October - 20 October	Other	Flexibility Week_No lecture and no tutorials.
Week 7 : 21 October - 27 October	Lecture	Construction project resource management
	Tutorial	Develop and present project resource management plan.
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project resource management plan • Complete peer assessment
Week 8 : 28 October - 3 November	Lecture	Construction project risk, health, safety and environmental management
	Tutorial	Develop and present project risk, health, safety and environmental management plan.
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project risk, safety and environmental management plan • Complete peer assessment
Week 9 : 4 November - 10 November	Lecture	Construction project procurement and delivery management
	Tutorial	Develop and present project procurement and delivery management plan.
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project procurement and delivery management plan • Complete peer assessment
Week 10 : 11 November - 17 November	Lecture	Construction stakeholder, communications and change management
	Tutorial	Develop and present project stakeholder, communications and change management plans
	Online Activity	<ul style="list-style-type: none"> • Complete online quiz • Submit project stakeholder, communications and change management plan • Complete peer assessment

Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

Course Resources

Recommended Resources

A Guide to the Project Management Body of Knowledge (PMBOK), Seventh Edition.

"A Guide to the Project Management Body of Knowledge (PMBOK)", Sixth Edition.

Construction Extension to the PMBOK (2016), Project Management Institute (PMI)

Harris, F. & McCaffer, R. (2013), Modern Construction Management, 7th edition, Wiley-Blackwell.

Sears, S.K. (2015), 6th edition, Construction Project Management: A Practical Guide to Field of Construction Management Wiley.

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
Convenor	Hammam (Marshal) A Ikouz				By appointment – organise via email, online meeting via Microsoft Teams	Yes	Yes

Other Useful Information

Academic Information

For essential student information relating to:

- UNSW and Faculty policies and procedures;
- Student Support Services;
- Student equity and disability;
- Special Consideration in the event of illness or misadventure;
- Examination information;
- Review of results;

Please see: <https://www.unsw.edu.au/arts-design-architecture/student-life/resources-support/protocols-guidelines>

Academic Honesty and Plagiarism

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

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://>

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](#).

Important note: UNSW has a “fit to sit/submit” rule, which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit to do so and cannot later apply for Special Consideration. This is to ensure that if you feel unwell or are faced with significant circumstances beyond your control that affect your ability to study, you do not sit an examination or submit an assessment that does not reflect your best performance. Instead, you should apply for Special Consideration as soon as you realise you are not well enough or are otherwise unable to sit or submit an assessment.

School Contact Information

beadmin@unsw.edu.au