



UNSW Course Outline

BLDG3022 Construction Project Management Practice Capstone - 2024

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General Course Information

Course Code : BLDG3022

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 : Undergraduate

Units of Credit : 6

Useful Links

[Handbook Class Timetable](#)

Course Details & Outcomes

Course Description

This course provides you the opportunity to demonstrate and integrate the knowledge and skills

gained throughout the Bachelor of Construction Management and Property Program. In groups, you will develop a Construction Project Management Plan (CPMP) for a large-scale sustainable construction project. The CPMP encompasses project execution, monitoring, and control, covering aspects like scope, schedule, cost, risk, resource, quality, safety, sustainability, procurement, stakeholder, and communications management. Reflection on integrating project management theory with real-life projects and devising strategies for sustainable construction, including environmental impact reduction, is expected.

Course Aims

Course Learning Outcomes

Course Learning Outcomes
CL01 : Apply project management theory and practice in an address real-life sustainable construction projects.
CL02 : Develop a Project Management Plan for a large-scale sustainable construction project.
CL03 : Demonstrate your intrapersonal competencies through group work and self-reflective practices.

Course Learning Outcomes	Assessment Item
CL01 : Apply project management theory and practice in an address real-life sustainable construction projects.	<ul style="list-style-type: none"> • Weekly Tutorial Tasks • Construction project management plan
CL02 : Develop a Project Management Plan for a large-scale sustainable construction project.	<ul style="list-style-type: none"> • Weekly Tutorial Tasks • Construction project management plan
CL03 : Demonstrate your intrapersonal competencies through group work and self-reflective practices.	<ul style="list-style-type: none"> • Essay - Individual learning reflection • Weekly Tutorial Tasks • Construction project management plan

Learning and Teaching Technologies

Moodle - Learning Management System | Blackboard Collaborate | Echo 360

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Weekly Tutorial Tasks Assessment Format: Individual	30%	Start Date: Not Applicable Due Date: Not Applicable
Construction project management plan Assessment Format: Group	40%	Start Date: Not Applicable Due Date: Week 11: 18 November - 24 November
Essay - Individual learning reflection Assessment Format: Individual	30%	Due Date: Week 11: 18 November - 24 November

Assessment Details

Weekly Tutorial Tasks

Assessment Overview

Weekly tutorial questions related to the project management plan and case study are provided. You will work individually and collaboratively to complete and present the tutorial questions. Peer review and feedback; grading and feedback via marking sheet.

Course Learning Outcomes

- CL01 : Apply project management theory and practice in an address real-life sustainable construction projects.
- CL02 : Develop a Project Management Plan for a large-scale sustainable construction project.
- CL03 : Demonstrate your intrapersonal competencies through group work and self-reflective practices.

Detailed Assessment Description

To help students master construction project management techniques, a few tutorial activities are arranged each week to enhance students' learning experience. Each week, students will be given tutorial questions about the construction project management plan and their selected case study. Students must complete the tutorial questions by working in a team, present their weekly tutorial work each week to receive feedback from tutors and submit the completed tutorial activity online.

Generative AI Permission Level

Simple Editing Assistance

In completing this assessment, you are permitted to use standard editing and referencing

functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.

If your Convenor has concerns that your submission contains passages of AI-generated text or media, you may be asked to account for 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.

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

Construction project management plan

Assessment Overview

In this group assignment, you will develop a Construction Project Management Plan. This includes creating flowcharts, subsidiary plans, and documents that outline the execution, monitoring, and control of the project. Grading will be done via a rubric, accompanied by written feedback.

Course Learning Outcomes

- CL01 : Apply project management theory and practice in an address real-life sustainable construction projects.
- CL02 : Develop a Project Management Plan for a large-scale sustainable construction project.
- CL03 : Demonstrate your intrapersonal competencies through group work and self-reflective practices.

Detailed Assessment Description

Working for a construction planning company, your group needs to develop a Construction Project Management Plan (CPMP) and necessary diagrams and documents to describe how the project will be planned, executed, and controlled

Assessment Length

Less than 100 pages

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students do not see Turnitin similarity reports.

Generative AI Permission Level

Simple Editing Assistance

In completing this assessment, you are permitted to use standard editing and referencing functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.

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Essay - Individual learning reflection

Assessment Overview

You will reflect on your key learning outcomes from the course, including how you have integrated theory with real-life projects, improved your interpersonal skills, and gained insights into enhancing project sustainability. Grading will be done via a rubric, accompanied by written feedback.

Course Learning Outcomes

- CLO3 : Demonstrate your intrapersonal competencies through group work and self-reflective practices.

Detailed Assessment Description

Students need to individually reflect their learning in this course by addressing the key learning points they are taking away from the Construction Project Management Practice Capstone. They also need to reflect on the experience of integrating their project management theory with real-life construction projects

Assessment Length

2000 words

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students do not see Turnitin similarity reports.

Generative AI Permission Level

Simple Editing Assistance

In completing this assessment, you are permitted to use standard editing and referencing

functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.

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General Assessment Information

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 9 September - 15 September	Lecture	Topic: Construction project management practice
	Tutorial	<ul style="list-style-type: none"> • Form a team. • Select a large-scale construction project. • Develop a project charter.
	Online Activity	<ul style="list-style-type: none"> • Submit group project charter. • Complete peer assessment.
Week 2 : 16 September - 22 September	Lecture	Topic: Project scope management plan, project scope statement, work breakdown structure (WBS), WBS dictionary, scope verification, validation and scope control process
	Tutorial	• Develop construction project scope management plan
	Online Activity	<ul style="list-style-type: none"> • Submit project scope management plan. • Complete peer assessment.
Week 3 : 23 September - 29 September	Lecture	Topic: Project schedule management plan, scheduling methodology and tools, activity identification, sequencing and duration estimation methods, schedule baseline and schedule control process.
	Tutorial	• Develop a project schedule management plan.
	Online Activity	<ul style="list-style-type: none"> • Submit project schedule management plan. • Complete peer assessment.
Week 4 : 30 September - 6 October	Lecture	Topic: Project cost management plan, cost estimation and budget determination methods, cost estimation and budget determination methods, cost baseline, cost performance measurement and cost control process.
	Tutorial	• Develop project cost management plan.
	Online Activity	<ul style="list-style-type: none"> • Submit project cost management plan. • Complete peer assessment.
Week 5 : 7 October - 13 October	Lecture	Topic: Project quality management plan, quality processes, construction and building quality standards, quality controls and quality assurance.
	Tutorial	• Develop a project quality management plan.
	Online Activity	<ul style="list-style-type: none"> • 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	Topic: Project resource management plan, project team roles and responsibilities, RACI matrix, HR calendar, staff management plan, performance review, training, and compliance
	Tutorial	• Develop a project resource management plan.
	Online Activity	<ul style="list-style-type: none"> • Submit project resource management plan. • Complete peer assessment.
Week 8 : 28 October - 3 November	Lecture	Topic: Project risk management plan, risk management methodologies, RBS, probability/impact matrix, risk register, risk control and monitoring.
	Tutorial	• Develop a project risk management plan.
	Online Activity	<ul style="list-style-type: none"> • Submit project risk management plan. • Complete peer assessment.
Week 9 : 4 November - 10 November	Lecture	Topic: Project procurement management plan, contracts types, project logistics and control, construction delivery system
	Tutorial	• Develop project procurement management plan.
	Online Activity	<ul style="list-style-type: none"> • Submit project procurement management plan. • Complete peer assessment.
Week 10 : 11 November - 17 November	Lecture	Topic: Project stakeholder and communications management plan, stakeholders management processes, stakeholders engagement, communication management processes, project communication matrix.
	Tutorial	• Develop project communications and stakeholder management plans.
	Online Activity	<ul style="list-style-type: none"> • Submit project comms and stakeholder management plans. • Complete peer assessment.

Attendance Requirements

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

Course Resources

Prescribed 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)

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	Moe (Mohammad) Mojtahedi		Room 4020, Level 4, Anita B. Lawrence Centre (H13)	9065 6226	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://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](#).

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

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