UNSW Course Outline

BLDG1011 Low Rise Building Construction - 2024

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General Course Information

Course Code : BLDG1011
Year : 2024
Term : Term 1
Teaching Period : T1
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

Low Rise Building Construction covers a detailed discussion of the procedures for commercial and residential projects adopted in Australia. This course examines the various components of a low rise building, including foundations, floors, walls, roofs, stairs, services and material finishes.

You will learn how to plan, design and construct typical low rise construction projects, emphasising the appropriate evaluation of building components to incorporate into the building, which must comply with Australian standards and the National Construction Code (NCC). During the course, you will have the opportunity to analyse and assess a variety of architectural, structural, and construction drawings commonly found in low rise construction projects. This experience will help you enhance your construction plan interpretation and drawing skills. The course will also introduce you to the concept of life cycle sustainability assessment (LCSA) to select and contrast between applicable construction materials adopted in low rise construction projects to ensure that sustainability principles are adopted.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Describe the essential stages of low rise construction projects.
CLO2 : Explain building elements used in the construction of a low rise project.
CLO3 : Evaluate design and construction of low rise buildings, ensuring alignment with sustainable practices and structural requirements.
CLO4 : Justify strategies in low rise construction that comply with laws and regulations.

Course Learning Outcomes	Assessment Item
CLO1 : Describe the essential stages of low rise construction projects.	• Online Quiz 1 • Online Quiz 2 • Portfolio • Final Exam
CLO2 : Explain building elements used in the construction of a low rise project.	• Online Quiz 1 • Online Quiz 2 • Portfolio • Final Exam
CLO3 : Evaluate design and construction of low rise buildings, ensuring alignment with sustainable practices and structural requirements.	• Online Quiz 2 • Portfolio • Final Exam
CLO4 : Justify strategies in low rise construction that comply with laws and regulations.	• Online Quiz 2 • Portfolio • Final Exam

Learning and Teaching Technologies

Moodle - Learning Management System | Blackboard Collaborate

Learning and Teaching in this course

This course is delivered through a number of blended learning initiatives, designed to motivate and inspire students to learn, including interactive lectures, hands-on workshops and on-line assessments that have been developed to foster the learning skills of students in low-rise construction. You will engage in a range of learning activities which will include on-line lectures and face-to-face tutorials, on-line quizzes, class discussions, problem-based learning activities and a final exam. Participation in lectures and tutorials is highly recommended as this provides students with an opportunity to fully develop their understanding of low-rise construction principles presented in this course.

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Online Quiz 1 Assessment Format: Individual	15%	Start Date: 09/03/2024 06:00 PM Due Date: 11/03/2024 07:00 PM
Online Quiz 2 Assessment Format: Individual	15%	Start Date: 13/04/2024 06:00 PM Due Date: 15/04/2024 07:00 PM
Portfolio Assessment Format: Individual	20%	
Final Exam Assessment Format: Individual	50%	

Assessment Details

Online Quiz 1

Assessment Overview

You will be quizzed on lecture and tutorial content. Automatic feedback will be provided. Some questions will also be discussed in tutorial sessions.

Course Learning Outcomes

- CLO1 : Describe the essential stages of low rise construction projects.
- CLO2 : Explain building elements used in the construction of a low rise project.

Assessment Length

40 minutes

Submission notes

Submitted online

Assessment information

You will have approximately 10 multiple choice questions to complete, covering everything you did in the course up to and including week 4. You will only have one attempt and you will be given 40 mins to complete the quiz.

Assignment submission Turnitin type

Not Applicable

Online Quiz 2

Assessment Overview

You will be quizzed on lecture and tutorial content. Automatic feedback will be provided. Some questions will also be discussed in tutorial sessions.

Course Learning Outcomes

- CLO1 : Describe the essential stages of low rise construction projects.
- CLO2 : Explain building elements used in the construction of a low rise project.
- CLO3 : Evaluate design and construction of low rise buildings, ensuring alignment with sustainable practices and structural requirements.
- CLO4 : Justify strategies in low rise construction that comply with laws and regulations.

Assessment Length

40 Minutes

Assessment information

This quiz will cover everything in the course.

Assignment submission Turnitin type

Not Applicable

Portfolio

Assessment Overview

You will be quizzed on lecture and tutorial content. Automatic feedback will be provided. Some questions will also be discussed in tutorial sessions.

Course Learning Outcomes

- CLO1 : Describe the essential stages of low rise construction projects.
- CLO2 : Explain building elements used in the construction of a low rise project.
- CLO3 : Evaluate design and construction of low rise buildings, ensuring alignment with sustainable practices and structural requirements.
- CLO4 : Justify strategies in low rise construction that comply with laws and regulations.

Detailed Assessment Description

This assessment is an Essay. More details will be released during the course.

Assessment Length

800 words

Final Exam

Assessment Overview

You will be tested through an exam on various topics in low rise building construction relevant to the course content. Classwide written feedback will be provided online.

Course Learning Outcomes

- CLO1 : Describe the essential stages of low rise construction projects.
- CLO2 : Explain building elements used in the construction of a low rise project.
- CLO3 : Evaluate design and construction of low rise buildings, ensuring alignment with sustainable practices and structural requirements.
- CLO4 : Justify strategies in low rise construction that comply with laws and regulations.

Detailed Assessment Description

More details about the Final Exam will be released during the course.

General Assessment Information

Grading Basis

Standard

Requirements to pass course

On-line Quizzes

Two on-line quizzes will be conducted throughout the course. You will need to ensure that you have access to a laptop/tablet during this time. Each quiz will examine your understanding of the content covered up until (and including) the weeks at which the quiz occurs. **THERE WILL BE NO REPEATS. MISSING THE QUIZ WILL RESULT IN A 0.**

Essay

Students will need to demonstrate their communication skills at addressing an importation question on low rise construction by submitting an 800-word essay. The essay question will encompass essential components examined throughout the course. Details of the question will be released in Week 3 of the course on Moodle.

Final Exam

A final exam will be conducted to test your understanding of the overall concepts discussed in the course. The date of the final exam will be announced later in the course. FAILURE OF THE FINAL EXAM WILL LIKELY RESULT IN THE FAILURE OF THE COURSE.

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 12 February - 18 February	Lecture	Lecture 1: Interpreting Construction Drawings
	Tutorial	Workshop 1: Construction Drawings
Week 2 : 19 February - 25 February	Lecture	Lecture 2: Development Process, Site Establishment & Demolition
	Tutorial	Workshop 2: Development Process, Site Establishment & Demolition
Week 3 : 26 February - 3 March	Lecture	Lecture 3: Underpinning, Shoring & Bulk Excavation
	Tutorial	Workshop 3: Underpinning, Shoring & Bulk Excavation
Week 4 : 4 March - 10 March	Lecture	Lecture 4: Detailed Excavation & Structural Works
	Tutorial	Workshop 4: Detailed Excavation & Structural Works
Week 5 : 11 March - 17 March	Lecture	Lecture 5: Structural Works
	Tutorial	Workshop 5: Structural Works
Week 6 : 18 March - 24 March	Other	Non-Teaching Week
Week 7 : 25 March - 31 March	Lecture	Lecture 7: Roofing, Stud Walls and Services Connection
	Tutorial	Workshop 7: Roofing, Stud Walls and Services Connection
Week 8 : 1 April - 7 April	Lecture	Lecture 8: Rough-in of Services, Windows & Doors
	Tutorial	Workshop 8: Rough-in of Services, Windows & Doors
Week 9 : 8 April - 14 April	Lecture	Lecture 9: Stairs & Finishes
	Tutorial	Workshop 9: Stairs & Finishes
Week 10 : 15 April - 21 April	Lecture	Lecture 10: External Work & Practical Completion
	Tutorial	Workshop 10: External Work & Practical Completion

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

Lectures: Wednesday 9:00 - 11:00 F10 June Griffith M18

Tutorials: Wednesday 11:00 - 13:00 F10 June Griffith M18

Course Resources

Prescribed Resources

Please check Moodle throughout the course

Recommended Resources

Please check Moodle throughout the course

Additional Costs

N/A

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	Mohammed Hammad					No	Yes
	Chyi Lin Lee					No	No

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