



UNSW
SYDNEY

Australia's
Global
University

Built Environment

BLDG1011

Low Rise Building Construction



Course Outline – Term 1, 2020

Disclaimer

Information within this document is subject to change. The full and most accurate course outline will be available in Moodle closer to the start of the term in which the course is offered.

1. COURSE STAFF

Course Contact	Dr Ahmed WA Hammad
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2. COURSE DETAILS

Credit Points	6 units of credit (uoc)
Workload	Approx. 150 hours including class contact hours, weekly individual and group online learning activities, readings, class preparation, and assessment activities.
Teaching Times and Location	Find details in timetable http://www.timetable.unsw.edu.au

Description

In Low rise Building Construction, details of the procedure adopted in Australia on commercial and residential projects will be discussed. This includes examining the various components of a low-rise building, including foundations, floors, walls, roofs, stairs, services and material finishes. Students will learn how to plan, design and construct typical low-rise construction projects, with emphasis on the appropriate evaluation of building components to incorporate in the building, and which need to comply with Australian standards. Throughout the course, students will be given the opportunity to examine and evaluate various architecture, structural and construction drawings typical in low-rise construction projects, thus enhancing their construction plan drawing and reading skills. The course will also introduce to the students the concept of life cycle sustainability assessment (LCSA) as a means of selecting and contrasting between applicable construction materials adopted in low-rise construction projects, to ensure that sustainability principles are adopted.

Aims

1. To introduce to students the essentials of design, planning and construction strategies adopted in residential and commercial low-rise construction projects;
2. To provide students with skills needed to read and interpret construction drawings; and
3. To familiarise students with the Australian standards and requirements when it comes to low-rise construction

Course Learning Outcomes (CLOs)

At the successful completion of this course, you will be able to:

1. Describe the essential steps involved in low-rise construction projects;
2. Explain the fundamentals of the different building elements involved in the construction of a low-rise project;
3. Demonstrate knowledge in low-rise building design and construction to meet sustainable and structural requirements; and
4. Recommend strategies in low-rise construction that comply with laws and regulations.

3. ASSESSMENT

Assessment task	Weight	CLOs Assessed
1. Test-On-line Quiz 1	15%	1, 2
2. Test-On-line Quiz 2	15%	1, 2, 3, 4
3. Test-Portfolio Submission (Online + In-class)	20%	1, 2, 3, 4
3. Examination-Final Exam	50%	1, 2, 3, 4

4. COURSE IMPROVEMENT AND FEEDBACK

Feedback from students is an integral part of improving courses and teaching approaches. One of the primary mechanisms of feedback is myExperience, which we strongly urge all students to complete at the end of term. Course convenors use the feedback to make ongoing improvements to the course. This is communicated in Moodle in the myFeedback Matters page.