



UNSW
SYDNEY

Australia's
Global
University

Built Environment

BENV7806

Design and Technology - Timber



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	John Carrick
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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

This studio is undertaken in the belief that a knowledge and understanding of materials, structure and construction greatly enhances the architectural process. The brief will generally call for the development of a series of comprehensively detailed timber structures to fit within an environmentally sensitive zone. The project will focus on the conception and structural resolution of a clear-span timber public building and associated works constructed in timber.

Aims

1. • Demonstrate the rigour involved in achieving an architectural project in timber by understanding the challenges involved in its detailing and structural design.
2. • Reinforce the students' enthusiasm for timber as an aesthetic project and a sustainable material.

Course Learning Outcomes (CLOs)

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

1. Undertake the conceptual design of a timber structure informed by a knowledge of the material's unique mechanical properties. ;
2. Appreciate and avoid the problems associated with durability issues involved in timber construction.;
3. Contribute to the design of timber joints and explore their aesthetic possibilities from an architectural perspective.; and
4. Recognise the significance of the resource politics of timber and its possibilities as a sustainable material.

3. ASSESSMENT

Assessment task	Weight	CLOs Assessed
1. Group Presentation	10%	1, 2, 3, 4
2. Interim design submission	15%	1, 3
3. Final design Presentation	60%	1, 2, 3
3. Individual Report	15%	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.