



UNSW
SYDNEY

Australia's
Global
University

Built Environment

BEIL6009

Integrated Building Design Case Studies



Course Outline – Term 2, 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	Jonathan Fox
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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 course will focus on the Sydney Opera House (SOH) as a landmark case-study to explore the key role of interdisciplinary collaboration (IC) and integrated building design (IBD) in the achievement of high performance architecture (HPA). HPA describes buildings that exceed design, environmental, social and economic standards to achieve sustainable urban environments of the future. This course reflects a view that professional practice within the built environment field will require advanced levels of communication and new knowledge to support ongoing development of disciplinary identity, interdisciplinary collaboration and the ability to comprehend and navigate complexity and interdependency in large-scale projects within rapidly changing urban environments. Drawing on their disciplinary knowledge and through experiential site and archive visits, lectures and online resources, individually and in groups, students of diverse disciplinary backgrounds will critically engage with the role of IC and IBD in the achievement of HPA with a focus on the SOH.

Course Learning Outcomes (CLOs)

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

1. Discuss and advocate the merits of interdisciplinary collaboration and integrated building design in the achievement of high performance architecture.
2. Evaluate and describe the roles, relevance and contributions of other built environment disciplines to successful project outcomes and the achievement of HPA.
3. Investigate, document, reflect and record contextual (i.e., environmental, cultural, historical and disciplinary) and experiential information about a high-performance case-study building through visual and written communication.
4. Communicate and effectively collaborate within an interdisciplinary team setting with diverse participants.

3. ASSESSMENT

Assessment task	Weight	CLOs Assessed
1. A-1 6-minute group power point presentation	30%	1, 2, 4
2. A-2 Submit an individual personal diary	30%	1, 2
3. A-3 20-minute simulated "project control group"	40%	1, 3

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.