



**UNSW**  
SYDNEY

Australia's  
Global  
University

# Built Environment

BLDG2013

Construction Estimating



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

<b>Course Contact</b>	Dr. Bee Lan Oo
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## 2. COURSE DETAILS

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

## Description

This course aims to offer students the opportunity to develop an understanding of the fundamentals of estimating building costs and competitive bidding practices. Students will engage with some of the key concepts that underpin the estimating and bidding practices in the construction industry. The syllabus comprises of different methods of cost estimating, cost planning and cost analysis, first principles estimating, the competitive bidding practices in the industry, contractors' bidding strategies and competitor analysis in construction bidding.

## Aims

The primary aim of this course is to enable students to explore and apply estimating practices through preparation of an elemental cost plan of a real building project with a direct emphasis of their application to real-world situations in the field of construction estimating. The secondary aim is to develop students' skills in evaluating individual contractors' estimating and bidding performance.

## Course Learning Outcomes (CLOs)

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

1. Discuss the different types of estimates and apply the correct methods for estimating building cost;
2. Prepare an elemental cost plan for a building project;
3. Estimate the net cost unit rate for selected trades; and
4. Evaluate contractors' estimating and bidding performance.

## 3. ASSESSMENT

Assessment task	Weight	CLOs Assessed
1. Examination – Final exam (closed book)	60%	1, 2, 3, 4
2. Report – Group assignment (elemental cost plan)	30%	1, 2, 3
3. Test – Online quizzes (MCQ)	10%	

#### **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.