



**UNSW**  
SYDNEY

Australia's  
Global  
University

# Built Environment

CONS0009  
Construction Planning



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

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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

The course introduces students to various programming and scheduling techniques suitable for planning of long, medium and short-term projects and tasks at operational level. The course content provides the means for planning of both business as well as personal tasks. In particular, the students will develop skills to create a schedule of tasks and activities related to the construction of a building or other structures, to allocate appropriate resources to such construction activities, and to develop schedules of construction activities within the most optimum time and cost. The course is structured around lectures, computer laboratory and online sessions.

## Aims

The course aims to:

1. develop students advanced skills required to read and write various schedule plans;
2. develop students' skills required to assess a project and select the appropriate scheduling techniques to analyse and plan the project;
3. enable students to explore and understand the principles of time related project risks and be able to make decisions based on it; and
4. develop student skills on planning complex project using commercial software and advanced technologies.

## Course Learning Outcomes (CLOs)

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

1. Apply a range of commonly used scheduling techniques to plan, organise and control construction projects;
2. Develop time and resource scheduling plans based on resource availability;
3. Manually calculate simple schedule networks, and use commercial software to develop detailed schedule plans;
4. Select and apply appropriate scheduling and planning techniques for any specific application in the construction industry, and present in a comprehensive construction planning document; and
5. Discuss the concept of decision-making, risk management and probability scheduling and apply to practical situations.

### 3. ASSESSMENT

Assessment task	Weight	CLOs Assessed
1. Examination – Final Exam	40%	1, 2, 3, 4, 5
2. Report – Group assignment	30%	1, 2, 3, 4, 5
3. Test – Online quiz	20%	1, 2, 3, 4, 5
4. Lab Work – Computer Lab Task	10%	1, 2, 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.