



# School of Civil and Environmental Engineering

Term 2, 2021

## CVEN4003/9000

# DESIGN PRACTICE B

### COURSE DETAILS

Units of Credit	6	
Contact hours	5 hours per week	
Class	Tuesday, 5-6 pm and Wednesday, 2-4 pm	ONLINE via Blackboard Ultra link in Moodle  ONLINE via Blackboard Ultra link in Moodle
Workshop 1 or 2	Wednesday 4-6 pm	ONLINE via Blackboard Ultra link in Moodle Select correct workshop number link.
Course Coordinator and Lecturer	Dr James McDonald email: jamesmcdonald@unsw.edu.au office: Vallentine Annexe (H22) room 113	
Secondary Course Coordinator	Dr Adele Jones email: adele.jones1@unsw.edu.au office: Vallentine Annexe (H22) room 133B	

### INFORMATION ABOUT THE COURSE

Design practice is a final year course intended to enable students to integrate material learnt in several sub-disciplines of civil or environmental engineering. Working in groups, students undertake a multi-disciplinary real world design project. The objective is to develop the students' self-directed learning, design, teamwork and managerial skills. The projects assigned to the groups focus on urban water systems particularly relating to drinking water supply, stormwater and wastewater management, bioremediation of urban runoff and improvement of recreational water quality.

The philosophy of this course is to promote engagement and understanding of the learning outcomes by challenging students to solve applied and practical real world problems. Therefore, the course is structured with a large proportion of self-directed work supported by close interaction with demonstrators in workshops and assessments intended to promote a deep understanding of the learning outcomes. In addition, lectures are provided in separate streams to expose students to relevant specialist knowledge and also refresh students understanding of core design, communication and project management skills. Students doing CVEN9000 should be enrolled in Program 8621.

### HANDBOOK DESCRIPTION

<https://www.handbook.unsw.edu.au/undergraduate/courses/2021/CVEN4003/>

or

<https://www.handbook.unsw.edu.au/postgraduate/courses/2021/CVEN9000/>

## OBJECTIVES

This course aims:

x

Workshops            x

## COURSE PROGRAM

A table of lecture content and workshop activities for each week is included below.

TRIMESTER 2 2021

Date	Lecture Tuesday 5 – 6pm ONLINE via Blackboard Ultra link in Moodle	Lecture Wednesday 2- 4pm ONLINE via Blackboard Ultra link in Moodle	Suggested workshop activities Wednesday 4- 6pm ONLINE via Blackboard Ultra link in Moodle
27 <sup>th</sup> and 28 <sup>th</sup> July 2021 (Week 9)	Course Overview James McDonald	Professionals Australia Maria Nguyen	Work on project report: get demonstrator feedback on framework and draft sections.
3 <sup>rd</sup> and 4 <sup>th</sup> August 2021 (Week 10)	No Lecture	No Lecture	Finalise Assessment 4 - Project Report. Last chance for demonstrator feedback.

## ASSESSMENT

To the extent appropriate at university, assessments will reflect the kinds of deliverables expected at the professional level in such industries as environmental engineering consulting and government public works. The final mark for each student will be determined by a combination of individual and group contributions. Each group will consist of 7-9 members and groups will be responsible for assigning roles and individual tasks within the team.

Each 3tt





ACADEMIC ADVICE

For information about:

- Notes on



