5 hours per week

Monday, 10:00 – 11:00

and
Tuesday, 09:00 – 11:00
ONLINE via Blackboard Ultra link in Moodle

Thursday, 12:00 – 14:00 ONLINE via Blackboard Ultra link in Moodle
Or Workshop 1- 12 noon - 2pm Thursdays

Thursday, 14:00 – 16:00 Workshop 2- 12 noon - 2pm Thursdays

Workshop 3- 2pm - 4pm Thursdays

Workshop 3- 2pm - 4pm Thursdays Workshop 4- 2pm - 4pm Thursdays

ONLINE via Blackboard Ultra link in Moodle

Dr James McDonald

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Design practice is a final year course intended to enable students to integrate material learnt in several subdisciplines 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

Private Study	Independent and group research (e.g. literature searching and data gathering) and self-directed learning Work with your group-develop effective relationships in meeting task deliverables and deadlines			
	Review lecture material			
	Download and read materials from Moodle			
	Keep up with notices and find out marks via Moodle			
Lectures	Find out what you must research and deliver as a group			
	Learn to use online tools and develop research skills			
	Hear announcements on course changes			
Workshops	Address group management and set individual tasks			
	Ask your demonstrators to review the team work in progress ideas and outputs			
	Maintain timesheets and meeting minutes			
	Ask questions			

COURSE PROGRAM

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

7 H U P 2 2020

Date	Lecture	Lecture	Suggested workshop activities		
	Monday 10 11 am	Tuesday 9 - 11 am	Thursday		
	ONLINE via Blackboard	ONLINE via Blackboard	12 2 pm or 2 4 pm		
	Ultra link in Moodle	Ultra link in Moodle	ONLINE via Blackboard Ultra link in Moodle		
01/06/2020 (Week 1)	Course overview Project description Assessments	Guest Lecture: Water Sensitive Urban Design.	'		
		Dr Kefeng Zhang and Dr Veljko Prodanovic, Water Research Centre			

Date Lecture

Monday 10 11 am
ONLINE via Blackboard
Ultra link in Moodle

Lecture

Tuesday 9 - 11 am
ONLINE via Blackboard
Ultra link in Moodle

Suggested workshop activities Thursday

ASSESSMENT

To the extent appropriate at university, assessments will reflect the kinds of deliverables expected at the professional level in

ASSESSMENT OVERVIEW

The table below contains details of all assessments and due dates planned for the CVEN4003/9000 course in 7HUP 2 2020.

Item	Length	Weighting	Learning outcomes assessed	Assessment Criteria	Due date and submission requirements	Deadline for absolute fail	Marks returned
1. Project Proposal and risk assessment	< 5 pages + HS017 form	15%	2, 3, 5, 6 and 7	This is a group assessment; peer evaluation will be used to determine an individual mark. Students are expected to display an understanding of the key issues of the project. Demonstrate an ability to plan and describe decision making processes and assess risk of field work involved in the project.	Friday 8 pm 19/06/2020 (Week 3) Submit online via Moodle	Wednesday 24/06/2020 (Week 4)	Friday 27/06/2020 (Week 4) via Moodle
2. Annotated bibliography	< 10 pages	20%	1, 4 and 8	This is an individual assessment. Students are expected to display evidence of in-depth understanding of the topic. Provide evidence of ability to research and synthesise information. Students will be marked on presentation, clarity, organisation and depth of research and demonstration of critical analysis of source content.	Friday 8 pm 03/07/2020 (Week 5) Submit online via Moodle	Tuesday 07/07/2020 (Week 5)	Monday 13/07/2020 (Week 7) via Moodle
3. Presentation	18 minutes + 5 minutes questions	20%	1, 3, and 5	This is a group assessment; peer evaluation will be used to determine an individual mark. Each student will be marked on both content and presentation technique. Students are expected to display a knowledge of their topic and communicate their findings clearly.	Thursday 12– 4pm 16/07/2020 Present online via blackboard (Week 7 workshops)	Students must present on the due date	Friday 24/07/2020 (Week 8) via Moodle
4. Final Report	< 100 pages	45%	1, 2, 3, 5, 6, 7, 8, 9	This is a group assessment; peer evaluation will be used to determine an individual mark. Students will be expected to display and communicate indepth knowledge of their project issues and solutions. Evidence of analytical thinking and problem solving as well as organisation and presentation of the report will be assessed.			l l

RELEVANT RESOURCES

Additional resources will be found on Moodle

Stormwater Management

Stormwater NSW Library

http://stormwaternsw.asn.au/resources/external-links/

Stormwater Source Control Handbook

https://www.unisa.edu.au/siteassets/episerver-6-files/documents/itee/afmg/johnargue-wsud-basic-procediures-for-source-control-student-edition.pdf

CRC for Water Sensitive Cities Comprehensive stormwate/-caateenendeo2462 8.034 ()]TJ EMC /Span <</M10ID 4

ACADEMIC ADVICE

For information about:

Notes on assessments and plagiarism,

School policy on Supplementary exams,

Special Considerations: student.unsw.edu.au/special-consideration

Solutions to Problems,

Year Managers and Grievance Officer of Teaching and Learning Committee, and CEVSOC.

Refer to Academic Advice on the School website available at:

https://www.engineering.unsw.edu.au/civil-engineering/student-resources/policies-procedures-and-forms/academic-advice