

11:00* 11155-7117	
6	6 hours per week
11:00* 11:00	Tuesday, 10:00 - 10:00 Online
1:00*	Wednesday, 10:00 - 10:00 Online
	Thursday, 11:00 - 11:00 Online (some Face to Face)
11:00* 11155-7117 Prof Richard Stuart	
7-9-40:1407	email: r.stuart@unsw.edu.au
-	
48:1407	
	Dr Soo Hwa Teh
	email: soohwa.teh@unsw.edu.au
	Dr James Hayes
	Email: j.hayes@unsw.edu.au
	Dr Ali Ardeshir
	Email: a.ardeshir@unsw.edu.au
	Associate Prof Iain MacCall
	Email: i.mccall@unsw.edu.au

This builds on the fundamentals from courses in Years 1, 2, and 3 plus relevant background and is for a range of students interested in environmental sustainability and economics and transport planning and control.

The course covers the system design of infrastructure, specifically focusing on:

- Water systems
- Transport systems
- Energy systems
- Material management systems, particularly related to waste and water
- Planning influences on regional and urban infrastructure
- Use of sustainability assessment tools for the selection of infrastructure design.

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link to virtual handbook:

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Objectives of the course include:

enable students to design infrastructure systems that include the social and cultural context, as well as having regard to sustainability principles in urban precincts.

information to direct the design of infrastructure so that materials are conserved and not buried in un-recyclable forms into the environment.

sustainability in terms of waste water, energy and land use.

methods to assess the performance of system components.

linking planning from macro scale to micro scale in water and waste management, transport and energy systems. Sustainability outcomes are

urban context.

have the student the following attributes:

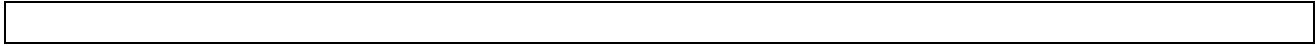
relevant disciplinary knowledge and interdisciplinary context

ability to solve complex problems

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ASSESSMENT OVERVIEW

	T	L	W	L	A	C	I	D
1.	O l i e Q i	15 MCQ	15%	! "#\$%&'\$\$	<u>I d i d a l</u>	l i e i c d c e d d i g c l a (e e M d l e f d e a i l)	14/09/20	01/10/20 a 11:00 a (Week 3)
2.	Tech ical e	10 age l A e di	40%	CLO 2, 3, 4	<u>I d i d a l a e e</u>	(e e M d l e f d e a i l)	14/09/20	15/11/20 a 11:59 PM (Week 10)
3.	P fe i al Skill Pa A: P jec Ma age e Re	Re a dg i e ie	15%	CLO 4	<u>G a e e</u>	j e c a a g e e e a d i e i e	14/09/20	20/11/20 a 11:59 PM G i e i e i l l c c d i g e e k 11**
	Pa B: P fe i al De el e	3 O l i e d l e	15%	CLO 4	<u>I d i d a l</u>	g i g e f l e c i e c e (See M d l e f D e a i l)	14/09/20	Th gh e (See M d l e f d a e)
4.	P e e a i	3 i e g i d e						



2010 (ISBN: 978-0

