



School of Civil and Environmental Engineering

Term 2, 2020

CVEN9888 ENVIRONMENTAL MANAGEMENT

COURSE DETAILS

Units of Credit	6	
Contact hours	4 hours per week	
Class	Wednesdays, 14:00 ±16:00	online
Workshop	Wednesdays, 16:00 ±18:00	online

Course Coordinator and Lecturer: Dr Soo Huey Teh
email: soohuey.teh@unsw.edu.au
office: Room 135, Water Research Centre, Level 1, Vallentine Annex (H22)

office: Room CE303, Level 3, Civil Engineering Building (H20)

INFORMATION ABOUT THE COURSE

There are no pre-requisites for this course. It is a required course in the specialisation Environmental Engineering for the coursework masters degrees of MEngSc (8338), listed under the course group 3 \$ G Y D Q F H G 6 S H F L D O L V D W L R Q ' L V e c o n o l o g i c a l i t i s O n e o f t h e Y e a r 2 V Environmental Engineering courses in the ME (Environmental Engineering CVENLT8621) program.

The course is compatible with, and complementary to other environmental engineering courses such as CVEN9892 Sustainability Assessment.

HANDBOOK DESCRIPTION

Spectrum of modern environmentalism and sustainable development; environmental impact statement techniques and environmental impact assessment procedures; environmental management systems; tools for the analysis and management of environmental impacts of engineering projects, including environmental risk assessment, Life Cycle Assessment and other materials accounting techniques.

See link to virtual handbook:

<https://www.handbook.unsw.edu.au/postgraduate/courses/2020/CVEN9888/>

OBJECTIVES

Provide an introduction to Ecologically Sustainable Development (ESD) principles and investigate how ESD is operationalised through the use of tools such as Life Cycle Assessment, Ecological Footprint and Material Flux Analysis. Provide details of frameworks such as Environmental Impact Assessments (EIA) and Environmental Management Systems (EMS) and how they are applied in the context of new projects, corporations and regions.

List of course attributes:

- An in-depth engagement with the relevant disciplinary knowledge in its inter-disciplinary context

