

# School of Ci il and En ironmert al Engineering Term 1, 2020

# ENGG1000 Engineering De ign And Inno at ion

#### CIVIL AND ENVIRONMENTAL ENGINEERING PROJECTS

#### **COURSE DETAILS**

**Units of Credit** 6

Lectures/Teamwork Monday 1400 to 1500 / 1500 to 1600 hrs

> 1400 to 1500 / 1500 to 1600 hrs Thursday

**Eng. Faculty Lectures** Monday All students (weeks 1& 2 only) Clancy Aud./CLB7

**CivEng Common** Monday All CVEN Projects (weeks 7 - 9) Law Theatre

Lectures Thursday All CVEN Projects (weeks 2 - 9, excl. 6) Clancy Auditorium

Monday Project 01 – Shock Resistant Buildings Law Theatre **CivEng Project** 

Project 02 – Sustainable Water in Walgett Lectures (weeks 3-5) **OMB 229** 

Project 03 – Surfing the Ocean Energy Wave Valentine Annexe 121

Project 04 – Mapping with Drones Col. LG02

**Group Rooms** 

**Teamwork/Discussion** Following group formation on Thursday of week 2, Project Teamwork rooms each Monday afternoon (commencing in week 3) will be allocated.

Sustainable Design Discussion Group rooms will be allocated by the Lecturer during

the first lecture on Thursday of Week 4

**School Coordinator:** assisted by (first point of contact):

Professor Ian Turner Dr Mitchell Harley ian.turner@unsw.edu.au m.harley@unsw.edu.au

**Project Coordinators:** 

**Project 1: Shock Resistant Buildings Project 2: Sustainable Water in Walgett** 

Dr. Daniel O'Shea Assoc. Professor Lucy Marshall lucy.marshall@unsw.edu.au d.oshea@unsw.edu.au

**Project 3: Surfing the Ocean Energy Wave** 

Professor Ian Turner Professor Nancy Glenn ian.turner@unsw.edu.au n.glenn@unsw.edu.au

**Computer Aided Design (CAD)** 

Dr Neeraj Saxena n.saxena@unsw.edu.au Sustainable Design

Dr Bojan Tamburic b.tamburic@unsw.edu.au

**Project 4: Mapping with Drones** 

## **INFORMATION ABOUT THE COURSE**

This course is an entry point into the disciplines of engineering for students in their first year at UNSW. The course has an emphasis on design and communications and is intended to provide UNSW engineering students with an engaging "first year experience" while facilitating peer networking and developing their interest in the field of engineering.

### **TEACHING STRATEGIES**

Teaching consists of a series of integrated lectures and teamwork/discussion groups designed to introduce you to the engineering profession, in general, and civil and environmental engineering, in particular, though the study of engineering projects; to give context to the meanings of Civil and Environmental Engineering, the role and practices of Engineers in the profession and their professional responsibilities; to develop communications skills including technical report writing, technical drawing and teamwork. Key lectures are given on the role and responsibility of engineers to the community including progress towards a sustainable future.

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