Workload: The normal workload expectations at UNSW (https://student.unsw.edu.au/uoc). are approximately 25 hours per term for each unit of credit. This included class lectures, labs, computing exercises, fieldtrips, and time spent on assessments.

Illness:

Module	Week	Starting date	Lecture topics	Lab activity	Computer exercise	Assessments

4.2 Computer exercises

The computer exercises focus on building quantitative skills for data analysis relevant to all modules.

Collecting data	Methods of sampling the natural world, including using new technologies, and accessing existing data.
Managing data	Digitising, tidying, and manipulating data, including integrating digital technologies with field work.
Visualising data	Simple graphics, plots, and mapping, including visualising spatial data.
Analysing data	Summarising data, linear models, and investigating patterns.
Communicating results	Skills for report writing, focusing on the showing results using visual graphics.

Required Software

The following software is required:

Microsoft Excel (https://www.myit.unsw.edu.au/software-students)

Quantum GIS (QGIS) latest stable release 3.22.10 (https://www.qgis.org)

Cloustor SWAN through Chrome, Firefox, or Vivaldi at https://cloudstor.aarnet.edu.au

Install the Avenza maps app on your phone or tablet https://www.avenzamaps.com

Optional software

If you wish to run Jupyter notebooks containing R and python code on your own computers, you can do so using Anaconda. You might like to run R code using RStudio, but python requires Anaconda.

Download and install Anaconda (Python 3) from https://www.anaconda.com/distribution accepting all the default options.

In Windows . In MacOS open a terminal and type: conda activate

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7. Readings and resources

This course is available online through the UNSW Moodle system which can be accessed by:

1. Going to https://moodle.telt.unsw.edu.au/login/index.php

sign

3. Look for BEES1041

The BEES1041 Moodle page will contain information regarding course announcements, lectures, labs, computer exercises and assessments. You will find that the course has been divided into various sections related to Course Information, Trimester Weeks, and others. Please visit the Support Section at https://student.unsw.edu.au/moodle-support for more information and tutorials about Moodle.

8. Administrative matters

8.1 Equity and Diversity

Those students who have a disability that requires some adjustment in their teaching or learning environment are encouraged to discuss their study needs with the course convener (