

This table shows the **delivery plan** for the unit. All activities should be **completed in the week indicated**. The **study time** you should put in for each activity is shown in minutes (min). You are expected to **join every synchronous activity 'live'** at its **timetabled time slot** (Manchester UK time)

week No	Date week beginning	Tutorial (timetabled by your tutor)	mins	Video topic	mins					Pre-work for next week	mins
		Synchronous		Asynchronous						Asynchronous (offline)	
3	11/10/21	Introduction to tutorials including content and assessment. Discussion on scientific literature searches and referencing.	50								
4	18/10/21	Discussion on writing an abstract for a scientific report. What makes a good scientific abstract?	50							Ask students to think about careers discussion for next tutorial	
5	25/10/21	Careers tutorial led by pathway-specific staff	50								
6	1/11/21	Elements of a good data plot									
7	8/11/21	Special (pathway specific) topic. Discuss dataset and models.	50							Individual students to plot the data in excel and bring plot to next tutorial	60
8	15/11/21	Discuss data plots in the context of models and processes. Discuss structure/ components of a good scientific report.	50							As a group, formulate a tutorial group outline	120
9	22/11/21	Discuss group outline.	50							One member of group to submit final version of outline to BB.	180

										As an individual, write a draft of report (~3 pages) and send to tutor before next tutorial.	
10	29/11/21	Debrief (including formative feedback) on aspects of outline and draft reports.	50								
11	6/12/21	Pathway-specific project preparation discussion	50								
12	13/12/21	No tutorials									
	Vacation										
		Revise									
	17/01/22	Exam period									

Intended Learning Outcomes (ILO)	On the successful completion of the course, students will be able to:
ILO 1	Analyze, describe and interpret discipline specific quantitative data
ILO 2	Write a scientific report that presents the outcomes of discipline specific data analyses or mapping exercise.
ILO 3	Plan a strategy for collecting (field mapping) data that is based upon a consideration of what has been previously published
ILO 4	Frame a research question relevant to an independent project
ILO 5	Assess risk of field/lab work or research method
ILO 6	Write a research proposal outlining question to be addressed, background, methods, risks involved, logistics and resources required.
ILO 7	Prepare and present oral scientific arguments on a discipline specific topic

Assessment type	% Weighting within unit	Hand out and hand in dates	Length	How, when and what feedback is provided	ILO tested
Open book assessment					
Report (individual)	50%	Start Week 1 Semester 1; submit first day of January exam period (17 th Jan 2022)	Max 1500 words	Formative personalized feedback on draft text is provided (generally verbally) before submission; detailed personalized written feedback is provided at the start of Semester 2	1,2*

*Note that other ILOs will be assessed in the assessment associated with Semester 2 tutorials in the same course