

2021-2022 Blended Learning Syllabus for: **Professional Development and Project Preparation. Environmental Science. EART29200**

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	Activity	mins	activity	mins	activity	mins	activity	mins	Pre-work for next week	mins
		Synchronous		Asynchronous		Asynchronous		Asynchronous		Asynchronous	
1	7/02/22	Discuss background on writing research proposals and why it is needed; how funding decisions are made; aims of research.	50	Week 1 on web page						Students to write a paragraph about an area of science that interests them and that they would like to research.	
2	14/02/22	Students talk about the paragraph they have written, tutor gives verbal feedback.	50								
3	21/05/22	Identify an area of research related to the spreadsheet we receive from Grant Allen that student is interested in; this will require students to do some digging on web pages / papers published by researchers, or projects on grants on the web.	50	Week 2 on web page						Students to do some digging on web pages / papers published by researchers, or projects on grants on the web, about the project they are interested in.	
4	28/02/21	Discuss research areas in tutorial	50	-						Students to identify 5 papers and bring list to tutorial	
5	07/03/21	General structure of a research proposal, part 1, discussion in tutorial: importance (need to convince reader of the importance of the	50	Week 3 on web page						Students to create bullet points on these subjects to bring to next tutorial	

		problem); success (need to convince reader that it will be successful); value (need to convince reader that it is value for money); competence (need to show that you are competent in this area / willing to work on certain things.								
6	14/03/21	Feedback and discussion about bullet points	50	-						
7	21/03/21	General structure of a research proposal, part 2, discussion in tutorial. Headings / sections: Foot in the door / summary; we have a problem; this project is the solution; project outcomes	50	Week 4 on web page						Students to create bullet points about what they will put in each section, e-mail to tutor so that he/she can look at them before next tutorial.
8	28/03/21	Discussion about bullet points with feedback from tutor		-						Write the proposal for deadline in Week 10
9	4/04/21	Drop-in session		Week 5 maybe						
	11/04/21	Vacation	50							
	18/04/21	Vacation	50							
10	25/04/21	Drop-in session	50							
11	02/05/21	Drop-in session, about other subjects as research proposal will have been handed in	50							
12	09/05/21	Drop-in session, about other subjects as research proposal will have been handed in	50							
	23/05/21	Exam period								
	30/05/21	Exam period								

Intended Learning Outcomes (ILO)	On the successful completion of the course, students will be able to:
ILO 1	Analyse, describe and interpret discipline specific quantitative data.
ILO 2	Write a scientific report that presents the outcomes of discipline specific data analyses.
ILO 3	Plan a strategy for collecting 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 lab/field 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
Report (individual; Research proposal)	50%	Start Week 1 Semester 2; submit in Week 10 Semester 2.	Max 1500 words	Formative personalised feedback on draft text is provided (generally verbally) before submission; Semester 2 Week 10.	3, 4, 6