

AC52012

Research Methods

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<http://www.computing.dundee.ac.uk/internal/fullguide.asp?AC52012>

OLD Lecture Schedule

Week beginning:	
1: 15 Jan	L01: Introduction & Overview; What is Science?
2: 22 Jan	L02: Introduction to Statistics
3: 29 Jan	L03: The Basics of Probability
4: 5 Feb	L04: Sampling and Testing
5: 12 Feb	L05: Populations
6: 19 Feb	L06: Introduction to Qualitative Methods
7: 26 Feb	L07: Interviewing as a Qualitative Research method; Ethics Lab
8: 4 March	L08: Conducting the interviews
9: 11 March	L09: Thematic Analysis
10: 18 March	L10: Write-up

Subject to change!

NEW Lecture Schedule

Week beginning:	
1: 15 Jan	L01: Introduction & Overview; What is Science?
2: 22 Jan	L02: Introduction to Statistics
3: 29 Jan	L03: The Basics of Probability
4: 5 Feb	L04: Introduction to Qualitative Methods
5: 12 Feb	L05: Interviewing as a Qualitative Research Method; Ethics Lab
6: 19 Feb	L06: Conducting the interviews; Ethics Lab
7: 26 Feb	L07: Thematic Analysis
8: 4 March	L08: Write-up
9: 11 March	L09: Sampling and Testing
10: 18 March	L10: Populations

Subject to change!

PREVIOUS deadlines

Week beginning:	
1: 15 Jan	
2: 22 Jan	
3: 29 Jan	
4: 5 Feb	
5: 12 Feb	Quantitative Coursework due (end of week)
6: 19 Feb	
7: 26 Feb	Ethics Lab (not assessed)
8: 4 March	
9: 11 March	
10: 18 March	Qualitative Coursework due (end of week)

Subject to change!

NEW deadlines

Week beginning:	
1: 15 Jan	
2: 22 Jan	
3: 29 Jan	
4: 5 Feb	
5: 12 Feb	Ethics Lab (not assessed)
6: 19 Feb	Ethics Lab (not assessed)
7: 26 Feb	
8: 4 March	Qualitative Coursework due (end of week)
9: 11 March	
10: 18 March	Quantitative Coursework due (end of week)

Subject to change!

Assessment

- 50% coursework
 - 25% quantitative: due end of week ~~5~~ 10
 - 25% qualitative: due end of week ~~10~~ 8
- 50% class test
 - evaluates understanding of both parts of the module

This week

- Online lecture today
- NO practical tomorrow - independent work will be set

Ethics Lab

- The Ethics Lab will consist of a series of short group presentations each of around 15 minutes, on a topic of your choice on ethics in science. Each group will present to the class. After the presentations, we will have a discussion on ethics in science.
- This work will not be assessed.

Ethics Lab

- Divide into small groups of around 4 students. If you do not have a preference, then I will allocate you to a group.
- Between you, select a topic to investigate
- Sign up on the google sheet, along with your preferred day of presentation: https://docs.google.com/document/d/19aOj3KkfYpXtEPk_Qwik07TsiStgFnL9g_

Ethics Lab

Suggested topics include:

1. What does the Post Office Scandal teach us about trust in computers over people?
2. How is diversity in design an issue, and how can we help?
3. How did the Cambridge Analytica scandal affect how we think of our data?
4. What should we do about fake scientific papers?
5. What does Responsible Research and Innovation mean for your area of research?
6. Do scientists have a duty to be climate activists?

Tomorrow's practical

- This will be **independent study** (there will be no class this week).
- You should get into your groups and use the time to develop your ethics presentations.
- Also, this week, please read the following paper:

Mutlu B, Forlizzi J. Robots in organizations: the role of workflow, social, and environmental factors in human-robot interaction. In Proceedings of the 3rd ACM/IEEE international conference on Human robot interaction 2008 Mar 12 (pp. 287-294).