



**Bournemouth
University**

UNIT SPECIFICATION				
Unit title		Managing Research and Working with Data		
Level	Level 7	Credit value	20 (10 ECTS)	
Is this a common unit?		No	Expected contact hours for unit	30
Pre and co-requisites None				
Aims The aims of this unit is to expose the students to a variety of quantitative and qualitative data analysis methods appropriate for research questions. The unit also aims to highlight the importance of managing datasets in line with research governance guidelines.				
Intended learning outcomes (ILOs) Having completed this unit the student is expected to: <ol style="list-style-type: none"> 1. demonstrate a knowledge of common approaches to analysing data 2. justify the selection of a method of data analysis for a given research question 3. select an appropriate format to present different types of research data 4. develop suitable strategies to manage and analyse data 5. critically reflect on the ethical risks associated with data acquisition, management and presentation 				
Learning and teaching methods Combination of lectures, seminars, group work and online materials				
Assessment				
Formative assessment/feedback Group discussions with academic on how to work with and store clinical data ethically Group discussions with academic on forms of analysis, and reporting and presentation of research results				
Summative assessment ILOs 1-5 will be assessed by 100% coursework			Indicative assessment The unit coursework will comprise a detailed report [3000 word equivalent] outlining, with rationale, the plan for management and analysis of data for a proposed study relevant to the student's practice.	
Indicative unit content <ul style="list-style-type: none"> • Collecting data ethically • Managing and storing collected data • Key approaches to quantitative and qualitative data analysis appropriate for research questions • Presentation of research data • Interpreting research results 				
Indicative learning resources <ul style="list-style-type: none"> • Digital Curation Centre. <i>Data management plans</i>. Available at: http://www.dcc.ac.uk/resources/data-management-plans [Accessed 2 February 2018]. • Hammond, F. and Malec, J. 2014. <i>Handbook for clinical research : Design, statistics, and implementation</i>. 				

New York: Demos Medical Publishing. Available from: ProQuest Ebook Central. [2 February 2018].

- Hulley, S., Cummings, S., Browner, W., Grady, D., and Newman, T. 2013. *Designing clinical research*. Philadelphia : Wolters Kluwer.
- Medicines and Healthcare products Regulatory Authority (MHRA). 2012. *Good clinical practice guide*. London: The Stationery Office Ltd. Available from: ProQuest Ebook Central. [Accessed 2 February 2018].
- Page, P., Carr, J., and Eardley, W. 2014. *An introduction to clinical research*. Oxford: OUP. Available from: ProQuest Ebook Central. [2 February 2018].

Journals in area relevant to clinical practice and research interests

Unit number	4	Version number	1.2	Date effective from	Sep 2020
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