

DUMF 2024 research methods for Environmental Scientists

View Online



Reading list with suggested and essential text for the course. There are also a number of online resources to use.

1.
Jones, A.: Practical skills in environmental science. Prentice Hall, Harlow, Essex (2000).

2.
Introduction to Surveying OTEN, <https://www.youtube.com/watch?v=j8poe2vvD2Q>, (29 AD).

3.
Holden, J., Dawson Books: An introduction to physical geography and the environment. Pearson, Harlow, Essex (2012).

4.
Weil, R.R., Brady, N.C.: The nature and properties of soils. Pearson Education Limited, Harlow, Essex (2017).

5.
Stevens, J.P., Blackstock, T.H., Howe, E.A., Stevens, D.P.: Repeatability of Phase 1 habitat survey. *Journal of Environmental Management*. 73, 53–59 (2004).
<https://doi.org/10.1016/j.jenvman.2004.05.009>.

6.
Cherrill, A., Mcclean, C.: Between-observer variation in the application of a standard

method of habitat mapping by environmental consultants in the UK. *Journal of Applied Ecology*. 36, 989–1008 (1999). <https://doi.org/10.1046/j.1365-2664.1999.00458.x>.

7.

Cherrill, A., McClean, C.: The reliability of 'Phase 1' habitat mapping in the UK: the extent and types of observer bias. *Landscape and Urban Planning*. 45, 131–143 (1999). [https://doi.org/10.1016/S0169-2046\(99\)00027-4](https://doi.org/10.1016/S0169-2046(99)00027-4).

8.

Ordnance Survey Blog Map reading skills: learn how to use grid references - Ordnance Survey Blog, <https://getoutside.ordnancesurvey.co.uk/guides/beginners-guides-map-reading/>.

9.

Handbook for Phase 1 habitat survey - a technique for environmental audit., <http://jncc.defra.gov.uk/page-2468>.

10.

Handbook for Phase 1 habitat survey - pub10_handbookforphase1habitatsurvey.pdf, <http://data.jncc.gov.uk/data/9578d07b-e018-4c66-9c1b-47110f14df2a/Handbook-Phase1-HabitatSurvey-Revised-2016.pdf>.

11.

Phase one habitat pencils, https://blog.nhbs.com/wildlife_equipment/berol-verithin-coloured-pencils-for-phase-1-habitat-surveys/.

12.

Kirkconnell Flow - Management Story, <http://www.snh.gov.uk/publications-data-and-research/publications/search-the-catalogue/publication-detail/?id=1615>.

13.

Field Guide purchase, http://rbg-web2.rbge.org.uk/bbs/Activities/Field_Guide_order.htm.

14.

Rydin, H., Jeglum, J.K., Bennett, K.D.: The biology of peatlands. Oxford University Press, Oxford (2013).

15.

Sphagnum mosses in bogs - FSC,
<http://www.field-studies-council.org/publications/pubs/sphagnum-mosses-in-bogs.aspx>.

16.

Russian coring on the Subantarctic Islands,
<https://www.youtube.com/watch?v=oBmurwyRkkU>, (2014).

17.

R: The R Project for Statistical Computing, <https://www.r-project.org/>.

18.

Crawley, M.J., Ebooks Corporation Limited: The R book. John Wiley & Sons, Ltd, Chichester, West Sussex (2013).

19.

Harris, R., Jarvis, C.: Statistics in geography and environmental science. Prentice Hall, Harlow (2011).

20.

Harris, R., Jarvis, C.: Statistics in geography and environmental science. Prentice Hall, Harlow (2011).

21.

Introductory Statistics - Chapter 1: Introduction,
https://www.youtube.com/watch?v=YHXadaW_Iso, (2008).

22.

Introductory Statistics - Chapter 2: Presenting data,
<https://www.youtube.com/watch?v=qKPhtBlsyIY&feature=related>, (14) AD.

23.

Introductory Statistics - Chapter 3: Measuring data,
<https://www.youtube.com/watch?v=NIhU9HB1NwM&fe>, (14) AD.

24.

sample average and standard deviation.mp4,
<https://www.youtube.com/watch?v=w-eZe-slZho>, (2) AD.

25.

Statistics: Sample vs. Population Mean, https://www.youtube.com/watch?v=hsPCte_PcVA,
(19) AD.

26.

Heywood, D.I., Cornelius, S., Carver, S.: An introduction to geographical information systems. Prentice Hall, Harlow (2011).

27.

Introduction to GIS (Geographic Information Systems),
<https://www.youtube.com/watch?v=bLnJpkqjlwo>, (2012).