

ENV-5028B GIS Skills for Project Work

This module is organised by Dr Katy Appleton, with contribution from Dr Amii Harwood and Professor Andrew Lovett.

View Online



Buckley, A. (no date) Design principles for cartography. Available at: <https://www.esri.com/arcgis-blog/products/product/mapping/design-principles-for-cartography/>.

Burrough, P.A., McDonnell, R. and Lloyd, C.D. (2015) Principles of geographical information systems. Third edition. Oxford, United Kingdom: Oxford University Press.

Darnell, A.R. et al. (2010) 'An application-driven approach to terrain model construction', International Journal of Geographical Information Science, 24(8), pp. 1171–1191. Available at: <https://doi.org/10.1080/13658810903318889>.

Dixon, B. and Uddameri, V. (2016) GIS and geocomputation for water resource science and engineering. Chichester, West Sussex, UK: Wiley. Available at: <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=4182958>.

Field, K. (no date) 'ESRI Map Evaluation checklist'. Available at: <http://downloads.esri.com/MappingCenter2007/arcGISResources/more/MapEvaluationGuidelines.pdf>.

Gary J. Hunter and Michael F. Goodchild (1995) 'Dealing with Error in Spatial Databases: A Simple Case Study', Photogrammetric Engineering and Remote Sensing (PE&RS), 61(5), pp. 529–537.

'GIS-based multicriteria decision analysis: a survey of the literature.' (2006) International Journal of Geographical Information Science [Preprint]. Available at: <https://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=21895447&authtype=sso&custid=s8993828&site=eds-live&scope=site>.

Heywood, D.I., Cornelius, S. and Carver, S. (2011a) An introduction to geographical information systems. 4th ed. Harlow, England: Prentice Hall. Available at: <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=5138011>.

Heywood, D.I., Cornelius, S. and Carver, S. (2011b) An introduction to geographical information systems. 4th ed. Harlow, England: Prentice Hall. Available at: <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=5138011>.

Jensen, J.R. and Jensen, R.R. (2013) Introductory geographic information systems. International ed. Boston: Pearson.

Kennedy, M. (2013) Introducing geographic information systems with ArcGIS: a workbook approach to learning GIS. Third edition. Hoboken, New Jersey: John Wiley & Sons. Available

at: <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=875846>.

Lillesand, T.M., Kiefer, R.W. and Chipman, J.W. (2015) Remote sensing and image interpretation. Seventh edition. Hoboken, NJ: Wiley & Sons.

Longley, P., Goodchild, M.F. and Maguire, D.J. (2015) Geographic information science & systems. Fourth edition. Hoboken, NJ: Wiley.

Michael, L. (2015) Getting to know ArcGIS desktop. 4th edition. Redlands, Calif: ESRI Press. Available at: <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=4952756>.

Monmonier, M.S. (1996) How to lie with maps. 2nd ed. Chicago: University of Chicago Press.

Monmonier, M.S. and Monmonier, M.S. (2002) Spying with maps: surveillance technologies and the future of privacy. Chicago: University of Chicago Press.

Mount, N. and National Conference on GIS Research UK. (2009) Representing, modeling, and visualizing the natural environment. Boca Raton: CRC Press. Available at: <https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=199391>.

Nyerges, T.L., Couclelis, H. and Macmaster, R. (2011) The SAGE handbook of GIS and society. Los Angeles, [Calif.]: SAGE. Available at: https://uea.idm.oclc.org/login?url=http://sk.sagepub.com/reference/hdbk_GISsociety.

Openshaw, S. (1991) 'Error propagation: a Monte Carlo simulation', in. Harlow: Longman Scientific & Technical.

OPENSHAW, S (1997) 'The truth about Ground Truth', Transactions in GIS;, 2(Issue: 1 p7-24), pp. 7-24. Available at: <https://uea.idm.oclc.org/login?url=https://onlinelibrary-wiley-com/doi/abs/10.1111/j.1467-9671.1997.tb00002.x>.

Pickles, J. and Pickles, J. (1995) Ground truth: the social implications of geographic information systems. New York, N.Y: Guilford Press.

Pimpler, E. (2013) Programming ArcGIS 10.1 with Python cookbook: over 75 recipes to help you automate geoprocessing tasks, create solutions, and solve problems for ArcGIS with Python. Birmingham, U.K.: Packt Publishing. Available at: <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=1115454>.

Rall, E., Hansen, R. and Pauleit, S. (2018) 'The added value of public participation GIS (PPGIS) for urban green infrastructure planning', Urban Forestry & Urban Greening [Preprint]. Available at: <https://doi.org/10.1016/j.ufug.2018.06.016>.

Tateosian, L. (2015) Python For ArcGIS. 1st ed. 2015. Cham: Springer International Publishing. Available at: <https://uea.idm.oclc.org/login?url=http://dx.doi.org/10.1007/978-3-319-18398-5>.

Toms, S. (no date) ArcPy and ArcGIS - geospatial analysis with Python: use the ArcPy module to automate the analysis and mapping of geospatial data in ArcGIS. Birmingham: Packt Publishing. Available at:

<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=1973845>.

Tufte, E.R. (2013) *The visual display of quantitative information*. Second edition. Cheshire, Connecticut: Graphics Press.

Wadsworth, R. and Treweek, J. (1999) *GIS for ecology: an introduction*. Harlow: Addison Wesley Longman.

Watson, J.J.W. and Hudson, M.D. (2015) 'Regional Scale wind farm and solar farm suitability assessment using GIS-assisted multi-criteria evaluation', *Landscape and Urban Planning*, 138, pp. 20–31. Available at: <https://doi.org/10.1016/j.landurbplan.2015.02.001>.

Wilson, J.P. and Fotheringham, A.S. (2008) *The handbook of geographic information science*. Malden, Mass: Blackwell. Available at: <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=320083>.

Wood, D. and Fels, J. (2008) *The natures of maps: cartographic constructions of the natural world*. Chicago: University of Chicago Press.

Zandbergen, P.A. (2013) *Python scripting for ArcGIS*. First edition. New York: ESRI Press. Available at: <https://uea.idm.oclc.org/login?url=http://dx.doi.org/10.1007/978-3-319-18398-5>.