

# ENV-5028B GIS Skills for Project Work

View Online



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

---

Buckley, Aileen. 'Design Principles for Cartography'. N.p., n.d. Web.  
<<https://www.esri.com/arcgis-blog/products/product/mapping/design-principles-for-cartography/>>.

Burrough, P. A., Rachael McDonnell, and Christopher D. Lloyd. Principles of Geographical Information Systems. Third edition. Oxford, United Kingdom: Oxford University Press, 2015. Print.

Darnell, Amii R. et al. 'An Application-Driven Approach to Terrain Model Construction'. International Journal of Geographical Information Science 24.8 (2010): 1171-1191. Web.

Dixon, Barnali, and Venkatesh Uddameri. GIS and Geocomputation for Water Resource Science and Engineering. Chichester, West Sussex, UK: Wiley, 2016. Web.  
<<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=4182958>>.

Field, Kenneth. 'ESRI Map Evaluation Checklist'. Web.  
<<http://downloads.esri.com/MappingCenter2007/arcGISResources/more/MapEvaluationGuidelines.pdf>>.

Gary J. Hunter and Michael F. Goodchild. 'Dealing with Error in Spatial Databases: A Simple Case Study'. Photogrammetric Engineering and Remote Sensing (PE&RS) 61.5 (1995): 529-537. Print.

'GIS-based Multicriteria Decision Analysis: A Survey of the Literature.' International Journal of Geographical Information Science (2006): n. pag. Web.  
<<https://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=21895447&authtype=sso&custid=s8993828&site=eds-live&scope=site>>.

Heywood, D. Ian, Sarah Cornelius, and Steve Carver. An Introduction to Geographical Information Systems. 4th ed. Harlow, England: Prentice Hall, 2011. Web.  
<<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=5138011>>.

---. An Introduction to Geographical Information Systems. 4th ed. Harlow, England: Prentice Hall, 2011. Web.  
<<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=5138011>>.

Jensen, John R., and Ryan R. Jensen. Introductory Geographic Information Systems. International ed. Pearson series in geographic information science. Boston: Pearson, 2013. Print.

Kennedy, Michael. Introducing Geographic Information Systems with ArcGIS: A Workbook

- Approach to Learning GIS. Third edition. Hoboken, New Jersey: John Wiley & Sons, 2013. Web. <<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=875846>>.
- Lillesand, Thomas M., Ralph W. Kiefer, and Jonathan W. Chipman. Remote Sensing and Image Interpretation. Seventh edition. Hoboken, NJ: Wiley & Sons, 2015. Print.
- Longley, Paul, Michael F. Goodchild, and D. J. Maguire. Geographic Information Science & Systems. Fourth edition. Hoboken, NJ: Wiley, 2015. Print.
- Michael, Law. Getting to Know ArcGIS Desktop. 4th edition. Redlands, Calif: ESRI Press, 2015. Web. <<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=4952756>>.
- Monmonier, Mark S. How to Lie with Maps. 2nd ed. Chicago: University of Chicago Press, 1996. Print.
- Monmonier, Mark S., and Mark S. Monmonier. Spying with Maps: Surveillance Technologies and the Future of Privacy. Chicago: University of Chicago Press, 2002. Print.
- Mount, Nick and National Conference on GIS Research UK. Representing, Modeling, and Visualizing the Natural Environment. Innovations in GIS. Boca Raton: CRC Press, 2009. Web. <<https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=199391>>.
- Nyerges, Timothy L., Helen Couclelis, and Robert Macmaster. The SAGE Handbook of GIS and Society. Los Angeles, [Calif.]: SAGE, 2011. Web. <[https://uea.idm.oclc.org/login?url=http://sk.sagepub.com/reference/hdbk\\_GISSociety](https://uea.idm.oclc.org/login?url=http://sk.sagepub.com/reference/hdbk_GISSociety)>.
- OPENSHAW, S. 'The Truth about Ground Truth'. Transactions in GIS; 2.Issue: 1 p7-24 (1997): 7-24. Web. <<https://uea.idm.oclc.org/login?url=https://onlinelibrary-wiley-com/doi/abs/10.1111/j.1467-9671.1997.tb00002.x>>.
- Openshaw, Stan. 'Error Propagation: A Monte Carlo Simulation'. Harlow: Longman Scientific & Technical, 1991. Print.
- Pickles, John, and John Pickles. Ground Truth: The Social Implications of Geographic Information Systems. New York, N.Y: Guilford Press, 1995. Print.
- Pimpler, Eric. 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, 2013. Web. <<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=1115454>>.
- Rall, Emily, Rieke Hansen, and Stephan Pauleit. 'The Added Value of Public Participation GIS (PPGIS) for Urban Green Infrastructure Planning'. Urban Forestry & Urban Greening (2018): n. pag. Web.
- Tateosian, Laura. Python For ArcGIS. 1st ed. 2015. Cham: Springer International Publishing, 2015. Web. <<https://uea.idm.oclc.org/login?url=http://dx.doi.org/10.1007/978-3-319-18398-5>>.
- Toms, Silas. ArcPy and ArcGIS - Geospatial Analysis with Python: Use the ArcPy Module to Automate the Analysis and Mapping of Geospatial Data in ArcGIS. Community experience distilled. Birmingham: Packt Publishing. Web.

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

Tufte, Edward R. *The Visual Display of Quantitative Information*. Second edition. Cheshire, Connecticut: Graphics Press, 2013. Print.

Wadsworth, Richard, and Jo Treweek. *GIS for Ecology: An Introduction*. Harlow: Addison Wesley Longman, 1999. Print.

Watson, Joss J.W., and Malcolm D. Hudson. 'Regional Scale Wind Farm and Solar Farm Suitability Assessment Using GIS-Assisted Multi-Criteria Evaluation'. *Landscape and Urban Planning* 138 (2015): 20-31. Web.

Wilson, John P., and A. Stewart Fotheringham. *The Handbook of Geographic Information Science*. Blackwell companions to geography. Malden, Mass: Blackwell, 2008. Web.  
<<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=320083>>.

Wood, Denis, and John Fels. *The Natures of Maps: Cartographic Constructions of the Natural World*. Chicago: University of Chicago Press, 2008. Print.

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