

# LUNDS UNIVERSITY

## Department of Archaeology and Ancient History

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### Reading list - ARKN09, Digital Archaeology, GIS in Archaeology, 15 hp

Established by the Board of the Department: 2011-12-13

#### Required reading

Campana, S & Piro, S. (2010): GPR investigation in different Archaeological sites in Tuscany. Analysis and comparison of the obtained results. *13<sup>th</sup> International Conference on Ground Penetrating Radar (GPR)*, p. 1-6. 7 p. (Available as e-resource)

Conolly, J. & Lake, M. (2006): *Geographical Information Systems in Archaeology*. Cambridge University Press. 358 p.

Fitcha, S., Thomsona, K., & Gaffney, V. (2005): Late Pleistocene and Holocene depositional systems and the palaeogeography of the Dogger Bank, North Sea. *Quaternary Research* 64: 185-196. 12 p. (Available as e-resource)

Fitzjohn, M. (2007): Viewing places: GIS applications for examining the perception of space in the mountains of Sicily. *World Archaeology* 39: 36-50. 15 p. (Also available as e-resource)

Fyfe, R. (2006): GIS and the application of a model of pollen deposition and dispersal: a new approach to testing landscape hypotheses using the POLLANDCAL models. *Journal of Archaeological Sciences* 33: 483-493. 11 p. (Available as e-resource)

Giardino, M. (2011): A history of NASA remote sensing contributions to archaeology. *Journal of Archaeological sciences* 38: 2003-2009. 7 p. (Available as e-resource)

Shennan, S. (1989): *Quantifying Archaeology*, Second Edition. University of Iowa Press. 432 p.

#### Suggested reading

Bivand, Roger S., Pebesma, Edzer J., Gómez-Rubio, Virgilio (2008): *Applied Spatial Data Analysis with R*. New York, Springer. (Also available as e-resource)

Alain F. Zuur, Elena N. Ieno and Erik Meesters (2009): *A Beginner's Guide to R*. New York, Springer. (Also available as e-resource)

#### Websites

<http://www.archeos.eu/wiki/doku.php?id=start>

<http://webhelp.esri.com/arcgisdesktop/9.3/index.cfm?TopicName=welcome>

In total: 842 p