

Reading list – ARKN15, Field Archaeology in Theory and Practice, 30 credits

Established by the Board of the Department: 2022-06-07

The literature is available through LUBcat and/or LUBsearch unless otherwise stated.

1. Field archaeology in practice, 15 credits (2048 p.)

Field work

Barker, Philip (1993). *Techniques of Archaeological Excavation*. London: Batsford. (285 p.)

Drewett, Peter (2011). *Field Archaeology: An introduction*. 2nd ed. London: Routledge (208 p.)

Larsson, Lars. "Uppåkra – Research on a Central Place: Recent Excavations and Results." Included in: *Central Places in the Migration and Merovingian Periods: Papers from the 52nd Sachsensymposium, Lund, August 2001* (2002). Hårdh, Birgitta & Larsson, Lars (Eds.), Uppåkrastudier 6, Stockholm: Amlqvist & Wiksell International, pp. 19-30. (12 p.) Available online: <https://www.uppakra.lu.se/uppakrastudier/uppakrastudier-6/> (Accessed 2021-05-31)

Museum of London Archaeology Service (1994). *Archaeological Site Manual*. 3rd edition. London: Museum of London. (128 p.)

O'Connor, Terry (2000). *The Archaeology of Animal Bones*. College Station: Texas A&M univ. press, pp. 19-27, 28-35. (16 p.)

Buildings archaeology

Adams, Allan T. (2016). *Drawing for Understanding: Creating Interpretative Drawings of Historic Buildings*. Swindon: Historic England. (92 p.) (Also available as PDF)

Eriksdotter, Gunhild. "The Stratigraphy of Buildings: Examples of the Methodology of Buildings Archaeology." Included in: *Visions of the Past: Trends and Traditions in Swedish Medieval Archaeology* (1997). Andersson, Hans, Carelli, Peter & Ersgård, Lars (Eds.), Lund Studies in Medieval Archaeology 19, Stockholm: Central Board of National Antiquities, pp. 741-761. (20 p.) (Also available as PDF)

'For My Descendants and Myself, a Nice and Pleasant Abode': Agency, Micro-History and Built Environment: Buildings in Society International BISI III, Stockholm 2017 (2020).

Tagesson, Göran., Cornell, Per., Gardiner, Mark., Thomas, Liz., & Weikert, Katherine (eds.). Oxford: ArchaeoPress. (Conference publication focused on building archaeology on objects from different chronological time periods) (181 p.)

Lane, Rebecca (2016). *Understanding Historic Building: A Guide to Good Recording Practice*. Swindon: Historic England. (60 p.) (Also available as PDF)

Morriss, Richard K. (2000). *The Archaeology of Buildings*. Stroud: Tempus. (176 p.)

World Archaeology 2009, volume 41, issue 3, *The Archaeology of Buildings* (special issue focused on buildings archaeology from the Stone Age until today, several papers). (176 p.)

Landscape

Chapman, Henry (2009). *Landscape Archaeology and GIS*. Stroud: History Press. (240 p.)

David, Bruno & Thomas, Julian (2016). *Handbook of Landscape Archaeology*. Walnut Creek: Taylor and Francis, ch. 1, 4, 5, 25, 28, 36, 46, 65. (200 p.)

Satellite Remote Sensing: A New Tool for Archaeology (2012). Lasponara, Rosa, Masini, Nicola (Eds.). Dordrecht: Springer Netherlands, ch 1, 7, 8, 9. (100 p.)

2. Processing and Analyzing, 7,5 credits (723 p.)

Hurcombe, Linda (2007). *Archaeological Artefacts as Material Culture*. Abingdon, Oxon: Routledge, pp. 1–118. (118 p.)

Hurcombe, Linda (2014). *Perishable Material Culture in Prehistory: Investigating the Missing Majority*. New York: Routledge. (211 p.)

aDNA

Allentoft, Morten E., Sikora, Martin,... Willerslev, Eske (2015). "Population Genomics of Bronze Age Eurasia." Included in: *Nature*, volume 522, issue 7555, pp. 167-172 (17 pages) (<https://doi.org/10.1038/nature14507>)

Fowler, Chris, Olalde, Iñigo, Cummings, Vicki, Armin, Ian, Büster, Lindsey, Cuthbert, Sarah, Rohland, Nadin, Cheronet, Olivia, Pinhasi, Ron, Reich, David (2022). "A High-Resolution Picture of Kinship Practices in an Early Neolithic Tomb." Included in: *Nature*, volume 601, pp. 584–587. (21 p.) (<https://doi.org/10.1038/s41586-021-04241-4>)

Heyd, Volker (2017). "Kossinna's Smile." Included in: *Antiquity* volume 91, issue 356, pp. 348-359 (12 p.) (<https://doi.org/10.15184/aqy.2017.21>)

Krzewińska, Maja, Rodríguez-Varela, Ricardo, Ahlström Arcini, Caroline, Ahlström, Torbjörn, Hertzman, Niklas, Storå, Jan, & Götherström, Anders (2021). "Related in Death? A Curious Case of a Foetus Hidden in Bishop Peder Winstrup's Coffin in Lund, Sweden." Included in: *Journal of Archaeological Science: Reports*, volume 37, 102939 (8 p.) (<https://doi.org/10.1016/j.jasrep.2021.102939>)

Loog, Liisa, & Larson, Greger. "Ancient DNA". Included in: *Archaeological Science: An Introduction* (2020). Richards, Michael P., Britton, Kate (Eds.). Cambridge: Cambridge University Press, pp. 13-34. (22 p.) (Also available as PDF)

Novak, Mario, Olalde, Iñigo,... Reich, David (2021). "Genome-Wide Analysis of Nearly All the Victims of a 6200 Year Old Massacre." Included in: *Plos One*, volume 16, issue 3, e0247332 (14 p.) (<https://doi.org/10.1371/journal.pone.0247332>)

Rasmussen, Simon, Allentoft, Morten E., ... Willerslev, Eske (2015). "Early Divergent Strains of *Yersinia Pestis* in Eurasia 5,000 Years Ago." Included in: *Cell*, volume 163, issue 3, pp. 571-582 (12 p.) (<https://doi.org/10.1016/j.cell.2015.10.009>)

Lithic analysis

Forster, Amanda & Jones, Richard. "From Homeland to Home: Using Soapstone to Map Migration and Settlement in the North Atlantic." Included in: *Soapstone in the North: Quarries, Products and People 7000 BC-AD 1700* (2017). Hansen, Gitte & Storemyr, Per (Eds.), UBAS – University of Bergen Archaeological Series 9, Bergen: University of Bergen, pp. 225-248 (24 p.) Available online: <https://bora.uib.no/bora-xmlui/handle/1956/16588> (Accessed 2021-05-31)

Mehta, Jayur Madhusudan, McCall, Grant, Marks, Theodore & Enloe, James (2017). "Geochemical Source Evaluation of Archaeological Chert from the Carson Mounds Site in Northwestern Mississippi Using Portable X-ray Fluorescence (pXRF)." Included in: *Journal of Archaeological Science: Reports*, volume 11, pp. 381-389 (9 p.) (<https://doi.org/10.1016/j.jasrep.2016.12.014>)

Sciuto, Claudia, Geladi, Paul, La Rosa, Lorenza, Linderholm, Johan & Thyrel, Mikael (2019). "Hyperspectral Imaging for Characterization of Lithic Raw Materials: The Case of a Mesolithic Dwelling in Northern Sweden." Included in: *Lithic Technology*, volume 44, issue 1, pp. 22-35. (14 p.) (<https://doi.org/10.1080/01977261.2018.1543105>)

Shackley, M. Steven (2008). "Archaeological Petrology and the Archaeometry of Lithic Materials." Included in: *Archaeometry*, volume 50, issue 2, pp. 194-215. (22 p.) (<https://doi.org/10.1111/j.1475-4754.2008.00390.x>)

Sharps, Meredith C., Martinez, Maria M., Brandl, Michael, Lam, Thomas & Vicenzi, Edward P. (2021). "A Dual Beam SEM-based EDS and Micro-XRF Method for the Analysis of Large-Scale Mesoamerican Obsidian Tablets." Included in: *Journal of Archaeological Science: Reports*, volume 35, 102781. (12 p.) (<https://doi.org/10.1016/j.jasrep.2020.102781>)

Stroth, Luke, Otto, Raquel, Daniels Jr, James T., & Braswell, Geoffrey E. (2019). "Statistical Artifacts: Critical Approaches to the Analysis of Obsidian Artifacts by Portable X-ray Fluorescence." Included in: *Journal of Archaeological Science: Reports*, volume 24, pp. 738–747. (10 p.) (<https://doi.org/10.1016/j.iasrep.2019.02.023>)

Ceramic analysis

Blomster, Jeffrey P., Neff, Hector & Glascock, Michael D. (2005). "Olmec Pottery Production and Export in Ancient Mexico Determined Through Elemental Analysis." Included in: *Science*, volume 307, issue 5712, pp. 1068-72. (5 p.) (<https://doi.org/10.1126/science.1107599>)

Flannery, Kent V., Balkansky, Andrew K.,... Yaeger, Jason (2005). "Implications of New Petrographic Analysis for the Olmec "Mother Culture" Model." Included in: *Proceedings of the National Academy of Sciences of the United States of America*, volume 102, issue 32, pp. 11219-11223. (5 p.) (<https://doi.org/10.1073/pnas.0505116102>)

Neff, Hector, Blomster, Jeffrey,... Houston, Stephen (2006). "Smokescreens in the Provenance investigation of Early Formative Mesoamerican ceramics." Included in: *Latin American Antiquity*, volume 17, issue 1, pp. 104-118. (15 p.) (<https://doi.org/10.2307/25063039>)

Neff, Hector, Blomster, Jeffrey,... Joyce, Arthur A. (2006). "Methodological Issues in the Provenance Investigation of Early Formative Mesoamerican Ceramics." Included in: *Latin American Antiquity*, volume 17, issue 1, p. 54-76. (18 p.) (<https://doi.org/10.2307/25063036>)

Sharer, Robert J., Balkansky, Andrew K.,... Redmond, Elsa M. (2006). "On the Logic of Archaeological Inference: Early Formative Pottery and the Evolution of Mesoamerican Societies." Included in: *Latin American Antiquity*, volume 17, issue 1, pp. 90-103. (14 p.) (<https://doi.org/10.2307/25063038>)

Stoltman, James B., Marcus, Joyce, Flannery, Kent V., Burton, James H. & Moyle, Robert G. (2005). "Petrographic Evidence Shows that Pottery Exchange Between the Olmec and their Neighbors was Two-Way." Included in: *Proceedings of the National Academy of Sciences of the United States of America*, volume 102, issue 32, pp. 11213-11218. (6 p.) (<https://doi.org/10.1073/pnas.0505117102>)

3D visualization and analysis

Forte, Maurizio. "Introduction." Included in: *Virtual Archaeology: Re-creating Ancient Worlds* (1997). Forte, Maurizio & Siliotti, Aberto (Eds.), New York: Henry N. Abrams, pp. 1-5 (5 p) (Available as pdf)

Garstki, Kevin (2017). "Virtual Representation: The Production of 3D Digital Artifacts." Included in: *Journal of Archaeological Method and Theory*, volume 24, pp. 726-750 (25 p.) (<https://doi.org/10.1007/s10816-016-9285-z>)

Jeffra, Caroline, Hilditch, Jill,, Waagen, Jitte, Lanjouw, Tijm, Stoffer, Markus, de Gelder, Laurien & Kim, Myung Ju (2020). "Blending the Material and the Digital: A Project at the Intersection of Museum Interpretation, Academic Research, and Experimental Archaeology." Included in: *EXARC Journal*, issue 2020/4 (14 pages). Available online: <https://exarc.net/ark:/88735/10541> (Accessed 2021-05-30)

Koutsoudis, Anestis, Vidmar, Blaž, Arnaoutoglou, Fotis (2013). "Performance Evaluation of a Multi-Image 3D Reconstruction Software on a Low-Feature Artefact." Included in: *Journal of Archaeological Science*, volume 40, issue 12, pp. 4450-4456 (7 p.) (<https://doi.org/10.1016/j.jas.2013.07.007>)

Meehan, Nicole (2020). "Digital Museum Objects and Memory: Postdigital Materiality, Aura and Value." Included in: *Curator: The Museum Journal*, pp. 1-17 (17 p.) (<https://doi.org/10.1111/cura.12361>)

Morris, Christine, Peatfield, Alan, O'Neill, Brendan (2018). "Figures in 3D: Digital Perspectives on Cretan Bronze Age Figurines." Included in: *Open Archaeology*, volume 4, pp. 50-61 (12 p.) (<https://doi.org/10.1515/opar-2018-0003>)

Pescarin, Sofia. "Virtual Reality & Cyberarchaeology – Virtual museums." Included in: *3D Recording and Modelling in Archaeology and Cultural Heritage: Theory and best practices* (2014). Remondino, Fabio & Campana, Stefano (Eds.), BAR International Series 2598, Oxford: Archaeopress, pp. 130-134. (5 p.)

Remondino, Fabio & El-Hakim, Sabry (2006). "Image-Based 3D Modelling: A Review." Included in: *The Photogrammetric Record*, volume 21, issue 115, pp. 269-291. (23 p.) (<https://doi.org/10.1111/J.1477-9730.2006.00383.X>)

Richards-Rissetto, Heather & von Schwerin, Jennifer (2017). "A Catch 22 of 3D data Sustainability: Lessons in 3D Archaeological Data Management & Accessibility." Included in: *Digital Applications in Archaeology and Cultural Heritage*, volume 6, pp. 38-48 (11 p.) (<https://doi.org/10.1016/j.daach.2017.04.005>)

Sapirstein, Philip. "Photogrammetry as a Tool for Architectural Analysis: The Digital Architecture Project at Olympia." Included in: *Archaeological Research in the Digital Age: Proceedings of the 1st Conference on Computer Applications and Quantitative Methods in Archaeology, Greek Chapter (CAA-GR), Rethymno, Crete, 6-8 March 2014* (2015). Papadopoulou, Constantinos, Paliou, Eleftheria, Chrysanthi, Angeliki, Kotoula, Eleni & Sarris, Apostolos (Eds.), Rethymno: Institute for Mediterranean Studies – Foundation of Research and Technology (IMS-FORTH), pp. 129-139. (10 p.) (Available as pdf)

3. Archaeology, society and ethics, 7,5 credits (ca. 1100 p)

Harrison, Rodney (2009). *Understanding the Politics of Heritage*. Manchester: Manchester University Press. (336 p.)

Scarre, Chris & Geoffrey Scarre (eds) (2006). *The Ethics of Archaeology: Philosophical Perspectives on Archaeological Practice*. Cambridge University Press. (318 p.).

Tännsjö, Torbjörn (2013). *Understanding Ethics*. 3rd edition. Edinburgh: Edinburgh University Press. (152 p.)

Additional texts (articles and/or book chapters) of app. 300 pages may be selected by the teacher.

Advice on essay-writing:

<https://student.unsw.edu.au/essay-writing-basics> (Accessed 2021-05-30)

<http://www.writing.utoronto.ca/advice/general/general-advice> (Accessed 2021-05-30)