



Monticello-UVA Archaeological Field School
Anthropology 5589
Summer 2024



Schedule and Syllabus

(DRAFT: UPDATED: 5.27.2024)

WEEK ONE: Introduction to the Archaeological Record

Sunday, June 2

- 4:00-6:00 p.m. Welcome reception and tour of Monticello mansion. Meet at Monticello's David Rubenstein Visitor's Center. See <https://goo.gl/maps/uWW7v57gTAFKvqBFA>

Monday, June 3

- 8:30 a.m. Meet at Visitor's Center, Classroom 7 (on the lower level).
- 8:30 a.m. *Welcome to Monticello*. Dr. Jane Kamensky. President, Thomas Jefferson Foundation.
- 9:00 a.m. Lecture: *Introduction to Archaeology at Monticello*. Neiman.
- 10:30 a.m. Walking Tour: *The Home-Farm Quarter Landscape*. Neiman.
- 12:30 p.m. Lunch.
- 1:30 p.m. Lecture: *Basic Field Procedures and Archaeological Recording*. O'Connor and Wheeler.
- 2:30 p.m. Lecture: *Artifact Basics*. Sattes, Devine, Louis.

Reading:

Solow, Barbara L.

1993 Slavery and colonization. In *Slavery and the Rise of the Atlantic System*, edited by Barbara L. Solow, pp. 21-42. Cambridge University Press, Cambridge.*

Neiman, Fraser D.

2008 The lost world of Monticello: an evolutionary perspective. *Journal of Anthropological Research* 64 (2):161-193.*

Gordon-Reed, Annette and Peter Onuf

2016 Introduction: North and South, pp 1-26; Chapter 2: Plantation, pp. 45-72. In *'Most Blessed of the Patriarchs': Thomas Jefferson and the Empire of the Imagination*. W.W. Norton, New York.*

Department of Archaeology, Monticello

2024 *Field Procedures Manual*.*

2024 *Lab Procedures Manual*.*

****To be completed before the first class.***

Tuesday, June 4

- 8:30 a.m. Lecture: *Introduction to the Archaeological Record: Soils, Sediments, Stratigraphy, and Site Formation Processes*. Neiman and O'Connor.
- On-site instruction and excavation.

Reading:

Banning, E.B.

2000 Chapter 12: Soils, Sediments; Geomorphology; pp. 235-247. In *The Archaeologist's Laboratory: The Analysis of Archaeological Data*. Kluwer, New York.

Wednesday, June 5

- 8:30-9:30 a.m. Artifact Workshop: *Ceramics*. Sattes and Devine.
- On-site instruction and excavation.

Reading

Rice, Prudence

1987 Chapter 1: Pottery and its History. In *Pottery Analysis: A Sourcebook*, pp. 3-26. University of Chicago Press, Chicago.

Noël Hume, Ivor

1969 Ceramics, American, Ceramics, British, Ceramics, European, and Porcelain, Chinese. In *A Guide to Artifacts of Colonial America*, pp. 98-145, 257-265. University of Pennsylvania Press, Philadelphia.

Department of Archaeology, Monticello

2017 *Guide to Ceramic Identification and Artifact TPQs*.

English Heritage

2017 *How to Make Prehistoric Pottery*.

<https://youtu.be/nr11LjbKlVg>

Ceramic Jim

2018 *Ceramics - Wheel Throwing For Beginners: How to Throw a Cylinder*

<https://youtu.be/dmgMKbHyDFw>

British Pathe

1958 *The Making of Wedgwood*.

<https://youtu.be/DDDBQh8YpfA>

The Transferware Channel

2015 *Transfer Printing Demonstration at Spode - Blue & White Transferware*

<https://www.youtube.com/watch?v=9P7slvxtLho>

Thursday, June 6

- 8:30-10:00 a.m. Artifact Workshop: *Tobacco Pipes, Glass, Nails, and Lithics* (Corey Sattes and Chris Devine).
- 10:30-11:30 a.m. Lecture and Discussion: *The Getting Word African-American Oral History Project*. Auriana Woods, Historian, *Getting Word African American Oral History Project*
- On-site instruction and excavation.

Reading:

Noël Hume, Ivor

1969 Bottles, Glass Liquor; Bottles, Glass Pharmaceutical, Drinking Glasses and Decanters, and Tobacco Pipes and Smoking Equipment. In *A Guide to Artifacts of Colonial America*, pp. 60-71, 72-76, 184-202, 296-313. University of Pennsylvania Press, Philadelphia.

Nelson, Lee

1968 Nail Chronology as an Aid to Dating Old Buildings. *Technical Leaflet 48. History News* 24:11.

Jones, Olive

1971 Glass Bottle Push-Ups and Pontil Marks. *Historical Archaeology* 5(1): 62-73.

Banning, E.B.

2000 Chapter 8: Analyzing Lithics. pp. 141-150. In *The Archaeologist's Laboratory: The Analysis of Archaeological Data*. Kluwer, New York.

Corning Museum of Glass

n.d. *Glass Blowing*. <http://www.cmog.org/video/glass-blowing>

n.d. *Mold Blowing* <http://www.cmog.org/video/mold-blowing>

Friday, June 7

- 8:30-9:30 a.m. Walking Tour: Archaeology of the *Mountaintop Landscape*. Neiman.
- 9:30-10:30 a.m. Walking Tour: *Slavery at Monticello*. Brandon Dillard, Director of Interpretation.
- On-site instruction and excavation.
- Weekly site summary and discussion.

Neiman, Fraser D.

2019 Monticello's First Kitchen: Archaeologists discover evidence of equipment needed for French cuisine. *Monticello Magazine*. Spring-Summer, 2019.

<https://www.monticello.org/monticello-magazine/summer-2019/monticello-s-first-kitchen/>

WEEK TWO: Stratigraphy and Archaeological Spatial Structure

Monday, June 10

- 8:30 a.m. *Interacting with the Public*. Krystal Gladden, Director of Education.
- 9:30 a.m. Lecture and Workshop: *Stratigraphy and Mapping*.
- On-site instruction and excavation.

Reading:

Roskams, Steve

2001 Chapter 8: The Spatial Record, Chapter 9: The Stratigraphic Record. In *Excavation*, pp. 133-168. Cambridge University Press: New York.

Banning, E.B.

2000 Chapter 14: Stratigraphy, pp. 257-264. In *The Archaeologist's Laboratory: The Analysis of Archaeological Data*. Kluwer, New York.

Tuesday, June 11

- 8:30 a.m. Lecture and Workshop: *Frequency seriation, mean ceramic dates, pipe-stem dating*. Neiman.
- On-site instruction and excavation.
- Lab rotation throughout the week.

Reading:

Banning, E.B.

2000 Chapter 2: What Are Data: Archaeological Measurements? pp. 7-34. In *The Archaeologist's Laboratory: The Analysis of Archaeological Data*. Kluwer, New York.

Dunnell, Robert C.

1971 Seriation method and its evaluation. *American Antiquity* 35(3): 305-319.

Wednesday, June 12

- 8:30 *a.m.* Lecture: Tree Ring Studies in Piedmont Virginia: Applications in Architectural History and Historical Ecology. Dan Druckenbrod.
- 10:30 *a.m.* Dendroecology Workshop

Reading:

Stokes, Marvin T. and Terah L. Smiley

1996 Chapter 1: Principles of Tree-ring Dating. In *An Introduction to Tree-ring Dating*, pp. 3-20. University of Arizona Press, Tucson.

de Graauw, Kristen K., and Amy E. Hessel.

2020 Do historic log buildings provide evidence of reforestation following depopulation of Indigenous Peoples? *Journal of Biogeography* 47.3: 630-642.

Thursday, June 13

- 8:30 *a.m.* Lecture: *Introduction to Archaeological Spatial Structure: Sites 8 and 6*. Neiman
- On-site instruction and excavation. Lab rotation throughout the week.
- 3:00 *p.m.* Review for Quiz 1

Reading:

O'Connell, James F.

1987 Alyawara Site Structure and Its Archaeological Implications. *American Antiquity* 52:74-108.

Friday, June 14

- 7:30 *a.m.* Field Trip to Coan Hall, University of Tennessee Archaeological Field School, Professor Barbara Heath. Meet at the Monticello Visitor's Center.

WEEK THREE: Geoarchaeology and Palynology**Monday, June 17**

- 8:30 *a.m.* **Quiz #1.**
- 9:00 *a.m.* Lecture: *Geoarchaeology and Palynology at Monticello*. Neiman.
- On-site instruction and excavation.
- Lab rotation throughout the week.

Reading:

Goldberg, Paul and Richard I. McPhail

2006 Chapter 4: Hydrological systems I: slopes and slope deposits. In *Practical and Theoretical Geoarchaeology*, pp. 72-84. Blackwell, Malden, MA.

Dincauze, Dena. F.

2000 Chapter 13: Concepts and Methods in Paleobotany, pp. 329-331, 343-368. In *Environmental Archaeology*. Cambridge University Press, Cambridge.

Tuesday, June 18

- 8:30 *a.m.* Field trip to Monasukapanaugh: a geoarchaeological perspective on landscape change (Dan Hayes).
- 10:30 *a.m.* Walk to the River Field (the Rivanna Flood Plain) and the Paw Paw Valley. Dan Hayes, Geoarchaeological Consultant.
- On-site instruction and excavation.

Reading:

Hantman, Jeffrey L.

2018 Chapter 3: The Archaeology of Ancestral Monacan Society. In *Monacan Millenium: A Collaborative Archaeology and History of a Virginia Indian People*, pp. 77-107. University of Virginia Press, Charlottesville.

Goldberg, Paul and Richard MacPhail

2006 Chapter 5: Hydrological systems II: rivers and lakes. In *Practical and Theoretical Geoarchaeology*, pp. 85-99. Blackwell, Malden, MA.

Wednesday, June 19

- On-site instruction and excavation.
- Monticello Summer Camp

Thursday, June 20

- On-site instruction and excavation.

Friday, June 21

- On-site instruction and excavation.

WEEK FOUR: Intra-Site Spatial Analysis, Macrobotanicals**Monday, June 23**

- 8:30 a.m. Lecture/Discussion: *A Picture is Worth 1000 Megabytes: Spatial Data Recovery and Visualization* at Sites 8 and 6 (Neiman).
- On-site instruction and excavation.

Reading:

Connolly, James

2020 Chapter 7: Spatial Interpolation. In *Archaeological Spatial Analysis*, edited by Mark Gillings, Piraye Haciguzeller, and Gary Lock, pp. 118-134. Routledge, London.

Neiman, Fraser D.

2020 The Organization of Enslaved Households at Site 6: Clues from Monticello and... Australia?. *Monticello Blog*. <https://www.monticello.org/exhibits-events/blog/the-organization-of-enslaved-households-at-site-6-clues-from-monticello-and-australia/>

Tuesday, June 25

- On-site instruction and excavation.

Wednesday, June 26

- On-site instruction and excavation

Thursday, June 27

- 8:30 a.m. Lecture: Introduction to Macrobotanicals. (Kandi Hollenbach).
- 10:30 a.m. Review for Quiz 2
- On-site instruction and excavation.

Reading:

Dincauze, Dena. F.

2000 Chapter 13: Concepts and Methods in Paleobotany, pp. 331- 343 (This is the bit from Chapter 13 that you did not read a while back). In *Environmental Archaeology*. Cambridge University Press, Cambridge.

Bowes, Jessica, and Heather Trigg

2012 Chapter 8: Social Dimensions of Eighteenth- and Nineteenth-Century Slaves' Uses of Plants at Poplar Forest, pp. 154-171. In *Jefferson's Poplar Forest: Unearthing a Virginia Plantation*, edited by Barbara J. Heath and Jack Gary. University of Florida Press, Gainesville.

Friday, June 28

- **Quiz #2**
- On-site instruction and excavation.
- Weekly site summary and discussion.

WEEK FIVE: Geodesy and Shovel Test Pits

Monday, July 1

- 8:30 a.m. Lecture: *Datums, Projection, and Grids* (Neiman).
- 9:30 a.m. Workshop: GPS and *Total Station Basics* (Wheeler)
- On-site instruction and excavation.

Reading:

Smith, Michael B.

2011 Introduction to Map Projections.

<http://www.microimages.com/documentation/Tutorials/project.pdf>. See also the copy on Collab.

Tuesday, July 2

- 8:30 a.m. Lecture: Planning Shovel-Test-Pit Surveys (Neiman).
- 9:30 a.m. STP workshop.
- On-site instruction and excavation.

Reading:

Kraker, James J., Michael J. Shott, Paul D. Welch

1983 Design and Evaluation of Shovel-Test Sampling in Regional Archaeological Survey. *Journal of Field Archaeology* 10: 469-480.

Wednesday, July 3

- 7:45 a.m. Field Trip: Archaeological excavations in the Coastal Plain. Meet at the Monticello Visitor's Center.
- 10:00 a.m. Excavations at James Fort, Jamestown Island. Jamestown Rediscovery Project, Association for the Preservation of Virginia Antiquities.
- 1:30 p.m. Colonial Williamsburg Archaeology Lab

Thursday, July 4

- **No class in observance of Independence Day.**

Friday, July 5

- On-site instruction and excavation.
- Weekly site summary and discussion.
- **Your Weekend Assignment:** Write a discussion question that draws on and integrates archaeological and historical themes of the course to help you review for the final. Write an

answer to your question: 1-2 pages single spaced, with citations please! Submit your question and your answer to by Monday at 8:30 *a.m.*

WEEK SIX: Getting History from the Archaeological Record

Monday, July 8

- 8:30 *a.m.* Introduction to the Digital Archaeological Archive of Comparative Slavery (DAACS) and the DAACS Research Consortium. (Elizabeth Bollwerk).
- On-site instruction and excavation. Lab rotation throughout the week.

Reading:

Marwick, Ben, Jade d'Alpoim Guedes, C. Michael Barton, Lynsey A. Bates, Michael Baxter, Andrew Bevan, Elizabeth A. Bollwerk *et al.*

2017 "Open science in archaeology." *SAA Archaeological Record* 17: 8-14.

Galle, Jillian E., Elizabeth Bollwerk, and Fraser D. Neiman

2019 The Digital Archaeological Archive of Comparative Slavery: A Case Study in Open Data and Collaboration in the Field of Archaeology. In *New Life for Archaeological Collections*, edited by Rebecca Allena and Ben Ford, pp. 55-90. University of Nebraska Press, Lincoln.

Tuesday, July 9

- On-site instruction and excavation.

Wednesday, July 10

- On-site instruction and excavation.
- 3:00 *p.m.* Discussion: Careers in Archaeology.

Reading:

Society for American Archaeology

2017 Diverse Careers in Archaeology. *The SAA Archaeological Record*, pp. 10-36.

Altschul, Jeffrey H., and Terry H. Klein."

2022 Forecast for the US CRM Industry and Job Market, 2022–2031. *Advances in Archaeological Practice* 10: 355–370.

Thursday, July 11

- 8:30 *a.m.* Final Discussion and Review: *Getting History from the Archaeological Record* (Neiman *et al.*).
- On-site instruction and excavation.
- Final site summary and discussion

Friday, July 12

- Final exam