



Monticello-UVA Archaeological Field School  
Anthropology 5589  
Summer 2022



## Schedule and Syllabus

(UPDATE: 6.23.2022)

### WEEK ONE: Introduction to the Archaeological Record

#### Sunday, June 5

- 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 6

- 8:30 *a.m.* Meet at Visitor's Center, Classroom 7 (on the lower level).
- 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.
- 1:00 *p.m.* Lecture: *Basic Field Procedures and Archaeological Recording* (Ptacek).
- 2:00 *p.m.* Extra Reading Time!

#### 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

2019 *Field Procedures Manual*.\*

2019 *Lab Procedures Manual*.\*

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

#### Tuesday, June 7

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

Reading:

Banning, E.B.

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

**Wednesday, June 8**

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

Reading

Rice, Prudence

1987 *Pottery Analysis: A Sourcebook*. Chapter 1, Pottery and its History, 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/nrI1LjbKlVg>

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 9**

- 8:30-9:30 a.m. Artifact Workshop: *Tobacco Pipes, Glass, and Nails* (Chris Devine)).
- 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.

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 10

- 8:30-9:30 a.m. Walking Tour: Archaeology of the *Mountaintop Landscape* (Neiman *et al.*)
- 9:30-10:30 a.m. Walking Tour: *Slavery at Monticello* (Brandon Dillard)
- 10:30-11:30 a.m. Lecture and Discussion: *TBA*. (Andrew Davenport)
- On-site instruction and excavation.
- Weekly site summary and discussion.

### Reading:

Scott, David.

2008 Introduction: On the Archaeologies of Black Memory. *Small Axe* 12(2):v-xvi

Davenport, Andrew

*in press* Mourning at Monticello. In *Mourning the Presidents*, edited by Lindsay Chervinsky and Matthew Costello. UVA Press, Charlottesville.

Gordon-Reed, Annette

2017 Charlottesville: Why Jefferson Matters, *New York Review Daily* 19 August 2017

## WEEK TWO: Seriation, Stratigraphy, Archaeological Spatial Structure

### Monday, June 13

- 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. *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.

### Tuesday, June 14

- 8:30 a.m. Lecture and Workshop: *Stratigraphy and Mapping* (O'Connor).
- 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; *The Archaeologist's Laboratory: The Analysis of Archaeological Data*. Kluwer, New York.

### Wednesday, June 15

- 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.

#### Reading:

O'Connell, James F.

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

### Thursday, June 16

- 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:

Wheatley, David and Mark Gillings

2002 Chapter 9: Trend Surface and Interpolation in *Spatial Technology and Archaeology*, pp. 183-200. Taylor and Francis, London.

### Friday, June 17

- 8:30 a.m. **Quiz #1.**
- On-site instruction and excavation.
- Weekly site summary and discussion.

## WEEK THREE: Palynology, Geoarchaeology, and DAACS

### Monday, June 20

- 8:30 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. *Environmental Archaeology*. Cambridge University Press, Cambridge.

### Tuesday, June 21

- 8:30 a.m. Field trip to Monasukapanough: 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)
- On-site instruction and excavation.

#### Reading:

Hantman. Jeffrey L. and Gary Dunham

1993 The Enlightened Archaeologist. *Archaeology* 46, no. 3: 44-49.

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 22**

- On-site instruction and excavation.
- 3:00 *p.m.* Introduction to the Digital Archaeological Archive of Comparative Slavery (DAACS) and the DAACS Research Consortium. (Elizabeth Bollwerk).

#### 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.

### **Thursday, June 23**

- On-site instruction and excavation.

### **Friday, June 24**

- 7:45 *a.m.* Field Trip to Coan Hall. University of Tennessee Archaeological Field School, Professor Barbara Heath. Meet at the Monticello Visitor's Center.

## **WEEK FOUR: Zooarchaeology, Dendrochronology, and a bit of Geodesy**

### **Monday, June 27**

- On-site instruction and excavation

### **Tuesday, June 28**

- On-site instruction and excavation.
- 2:00 *p.m.* Zooarchaeology Workshop. (Dr. Barnet Pavao-Zuckerman, University of Maryland).

#### Reading:

Banning, E. B.

2000 Chapter 10. Analyzing Osteological and Other Faunal Remains. *The Archaeologist's Laboratory*, pp. 187-207. Kluwer, New York.

Pavão-Zuckerman, Barnet, Scott Oliver, Chance Copperstone, Matthew Reeves, Marybeth Harte

2020 African American Culinary History and the Genesis of American Cuisine: Foodways and Slavery at Montpelier. *Journal of African Diaspora Archaeology and Heritage* 9(2):114-147.

### **Wednesday, June 29**

- 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
- On-site instruction and excavation.

- Monticello Summer Camp.

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 30**

- 8:30 a.m. Lecture: *Datums, Projection, and Grids* (Neiman).
- 9:30 a.m. Workshop: GPS and *Total Station Basics* (Neiman, Ptacek, 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.

**Friday, July 1**

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

**WEEK FIVE: Shovel Test Pits and Macrobotanicals**

**Monday, July 4**

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

**Tuesday, July 5**

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

Reading:

Krakker, 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 6**

- 8:30 a.m. Lecture: Introduction to Macrobotanicals. (Kandi Hollenbach).
- 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). *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.

### Thursday, July 7

- 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

### Friday, July 8

- 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 Collab by Monday at 8:30 a.m.

## WEEK SIX: Getting History from the Archaeological Record.

### Monday, July 11

- On-site instruction and excavation. Lab rotation throughout the week.

### Tuesday, July 12

- 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.

Speakman, Robert J., Carla S. Hadden, Matthew H. Colvin, Justin Cramb, K. C. Jones, Travis W. Jones, Isabelle Lulewicz *et al.*

2018 Market share and recent hiring trends in anthropology faculty positions. *PloS One* 13(9): e0202528.

### Wednesday, July 13

- On-site instruction and excavation.

### Thursday, July 14

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

### Friday, July 15

- Final exam