**Monticello-UVA Archaeological Field School**

**Anthropology 5589**

**Summer 2023**

**Schedule and Syllabus**

***D R A F T***

(*UPDATE: 5.22.2023)*

**WEEK ONE: Introduction to the Archaeological Record**

**Sunday, June 4**

* 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 5**

* 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: 30 *p.m.* Lecture: *TBA.*  (Gayle Jessup White)
* 2:30 *p.m.* Lecture: *Basic Field Procedures and Archaeological Recording* (O’Connor and Wheeler).

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

2023 *Field Procedures Manual.\**

2023 *Lab Procedures Manual.\**

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

**Tuesday, June 6**

• 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 7**

* 8:30-9:30 *a.m.* Artifact Workshop: *Ceramics* (Corey Sattes and Chris 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.

Noёl 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/nrI1LJbKIvk>

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=9P7sIvxtLho>

**Thursday, June 8**

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

• On-site instruction and excavation.

Reading:

Noёl 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 9**

* 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:  *Mourning at Monticello* (Andrew Davenport)
* On-site instruction and excavation.
* Weekly site summary and discussion.

Reading:

Davenport, Andrew

2023 Mourning at Monticello. In *Mourning the Presidents*, edited by Lindsay Chervinsky and Matthew Costello. UVA Press, Charlottesville.

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

**Monday, June 12**

* 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.

**Tuesday, June 13**

* 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. In *The Archaeologist’s Laboratory: The Analysis of Archaeological Data*. Kluwer, New York.

**Wednesday, June 14**

• 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 15**

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

• 9:30 *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:

Connoly, James

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

**Friday, June 16**

* 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 THREE: Palynology, Geoarchaeology, and DAACS**

**Monday, June 19**

* 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. In *Environmental Archaeology*. Cambridge University Press, Cambridge.

**Tuesday, June 20**

* 8:30 *a.m*. Field trip to Monasukapanaugh: a geoarchaeological perspective on landscape change(DanHayes).
* 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.

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 21**

* 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 22**

* On-site instruction and excavation.

**Friday, June 23**

**WEEK FOUR: Zooarchaeology, Dendrochronology, and Macrobotanicals**

**Monday, June 26**

* On-site instruction and excavation

**Tuesday, June 27**

* 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 28**

* 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. Hessl.

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

**Thursday, June 29**

* 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). 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 30**

• **Quiz #2**

* On-site instruction and excavation.
* Weekly site summary and discussion.

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

**Monday, July 3**

• 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 4**

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

**Wednesday, 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.

**Thursday, July 6**

* 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 7**

* 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 10**

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

**Tuesday, July 11**

• 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.

**Wednesday, July 12**

• On-site instruction and excavation.

**Thursday, July 13**

* 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 14**

• Final exam