Class Schedule and Reading

1.[8.27] Course goals, overview, and requirements; introduction to inference and the archaeological record.

Lab: Excel basics: formulas, histograms, scatter plots.

2. [9.3] Consumption and seriation models

Carson, Cary

Noel Hume, I.

Mouer, I. Daniel, et al.

Dunnell, R.C.

UT Excel Tutorial
http://www.ischool.utexas.edu/technology/tutorials/office/excel/

Lab: Occurrence seriation, frequency seriation with Excel.

3. [9.10]. Some simple statistical tools

Drennan, Robert
1996 *Statistics for Archaeologists*. Plenum Press, New York. Chapter 1, Batches of numbers, pp. 3-16; Chapter 2: The level or center of a batch, pp. 17-26; Chapter 3: The spread or dispersion of a batch, pp. 27-36; Chapter 14: Relating one measurement variable to another measurement variable, pp. 203-226

Lab: Analyzing pipestem assemblages: histograms, means, variances, and regression.
4. [9.17] The Chesapeake and consumption models
Bliege Bird, R. and E.A. Smith

Taylor, Alan

**Lab:** Analyzing pipestem assemblages: histograms, means, variances, and regression.

Carson, Cary, Joanne Bowen, Willie Graham, Martha McCartney, and Lorena Walsh.

Carson, Cary *et al.*
2004b *Evaluation of Previous Archaeology.* Colonial Williamsburg Foundation, Williamsburg, VA. Chapter 1, Structures, pp. 1-4

**Lab:** Pipestem data-analysis workshop.

**Project 1 due.**
**Presentations and discussion.**

**Lab:** Puzzling out house plans from post holes: The Clifts Plantation Site.

7. [10.8] English vernacular house plans
Mercer, Eric

Neiman, F.D.

Carson, Cary
n.d. Seventeenth-century plantation housing in the Chesapeake colonies. In *The Chesapeake House.* *Do not distribute further or cite outside this class without permission from Cary.*

**Lab:** Making artifact distribution maps with ArcGIS and Geostatistical Analyst
8. **[10.15] Site structure**

O'Connell, J.F.

Wheatley, David and Mark Gillings

**Lab**: Making artifact distribution maps with ArcGIS and Geostatistical Analyst

9. **[10.22] Spatial analysis workshop-1.**

Muraca, David, Philip Levy, and Leslie McFaden


Neiman, Fraser D.

Comparative Archaeological Study of Colonial Chesapeake Culture

Gibb, James G.

**Lab**: Making artifact distribution maps with ArcGIS and Geostatistical Analyst

10. **[10.29] Spatial analysis workshop-2.**

**Lab**: Analyzing artifact distribution maps with ArcGIS and Geostatistical Analyst.

11. **[11.5] Gentry House Plans-1.**

**Project 2 due. Presentations and Discussion.**

**Lab**: Introduction to Space-Syntax Measures in Excel.
West, Susie

Wenger, Mark

Bafna, Sonit

**Lab:** More Space Syntax.

Architectural Research Department
2002 The Early Architecture of Tidewater Virginia. A Guidebook for the 23rd Vernacular Architical Form Conference. Williamsburg, VA. (Excerpts)

Neiman, F.D. (compiler)
n.d. Chesapeake gentry house plans from various sources.

Gibbs, James

Morris, Robert

*We will work out a research and sampling design in class to incorporate the house plans illustrated in these pattern books into our third project.

**Lab:** Data analysis workshop

[11.7] Thanksgiving Vacation

14. [12.3] Finale!
Project 3 due.
Presentations
Final Discussion.