

## **LABORATORY TRAINING IN ARCHAEOLOGY: ANT4180L/ANG6183**

Turlington B357, Wednesday, 9:35 – 12:35

Instructor: Charles Cobb

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Office Hours: Weds, 3-4:00 pm, Fri, 10:00-11:00

Note: Dickinson is a closed curation facility, access with key only. Please let me know if you plan to show up in person for office hours and I can meet you in our lobby. I'm also happy to meet online via zoom or similar app, or else right after class.

### **Course Description**

This course focuses on the material culture of Spanish colonialism in the Americas and how it is used in archaeological interpretation. The artifacts we will be working with derive from the southeastern United States, but we will be looking at larger issues of the Iberian exploration and colonization of the Western Hemisphere. The course is pitched at two levels. First, every week we will be considering categories of artifacts (ranging from clothing objects to pottery) and how they are classified and analyzed. Second, we will have readings and discussion on some of the social issues that archaeologists attempt to address through the study of these objects. Various topics of interest to us will include, but are not limited to, chronology-building, hybridity, identity, and status.

### **Learning Outcomes**

By the end of the semester, students will have:

1. Gained an understanding of the role of Spanish colonialism in the settlement of the Americas, and in particular the southeastern region of the United States.
2. Learned standard archaeological classifications of European material culture dating to the A.D. 1500-1800 interval.
3. Mastered some of the key methods for creating digital archives based on artifact attributes.
4. Received training in making interpretations about social and historical processes based on the analysis of archaeological data.

### **Course Format and Requirements**

The course will meet for a three-hour period (9:35 am – 12:35 pm) on every Wednesday of the semester for which regular classes are scheduled. This period will be broken down into several segments. At the beginning I will provide a lecture on the topic of the day. This will be followed by a discussion of the assigned readings for the week. The discussion will be led by student teams. We then will have an introduction to typological issues pertaining to the weekly material culture topic. Finally, we will be conducting preliminary analyses on recently excavated collections from Nombre de Dios, a Franciscan mission site in St. Augustine. This will provide students with the opportunity to develop expertise in the procedures of formal archaeological laboratory studies.

### Assignments and Grades

Class attendance (10 points x 14 classes = 140 points): with only one class a week, missing one is equivalent to missing a week's worth of work. It is important that you attend all classes. We will cover so much in one day that I will not be able to personally go over in entirety what you may have missed.

In-class quizzes (50 points x 4 quizzes = 200 points): we will have four in-class quizzes that will test your knowledge of the archaeological materials introduced to you in class.

Synopses of key readings (60 points): students will pair up and produce an overview of the readings for a given week, following my lecture. This will be required only once.

Research project (100 points): undergraduate students will be asked to produce a 5 page research paper based on an analysis of materials from the Comparative Mission Archaeology Portal, an online digital archive that will be introduced in the class. Graduate students will be asked to produce a 10 page paper.

A final letter grade will be assigned at the end of the semester, according to the following 500 point scale:

Grade	% of points	Point spread
A	(93-100%)	465-500
A-	(90-92%)	450-464
B+	(87-89%)	435-449
B	(83-86%)	415-434
B-	(80-82%)	400-414
C+	(77-79%)	385-399
C	(73-76%)	364-384
C-	(70-72%)	350-363
D+	(67-70%)	335-349
D	(63-66%)	315-334
D-	(60-62%)	300-314
F	(<60%)	<300

If you miss an exam, quiz, or due date for the take-home assignment, you must have a valid excuse in order to be allowed a make-up day. Justifiable absences are detailed by the university at the following link: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

### Text

There is no assigned textbook for this course. All readings will be posted on Canvas.

### Cheating and Plagiarism

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have

neither given nor received unauthorized aid in doing this assignment.” The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel

### Students with Disabilities

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://disability.ufl.edu>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://gatorevals.ua.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>

## WEEK

## TOPIC

### January 5      General Outline of Course: From Field to Lab

Light Reading: “A Serendipitous Discovery.” *American Archaeology* magazine

- Overview of Archaeology of Spanish Colonialism
- Overview of work carried out by the University of Florida

Take some time and peruse: <https://www.floridamuseum.ufl.edu/histarch/artifact-gallery/>

### January 12      Introduction to Spanish Colonialism in the Americas

Keehnen, Floris W. H.

2019 Treating ‘Trifles’: the Indigenous Adoption of European Material Goods in Early Colonial Hispaniola (1492-1500). In *Material Encounters and Indigenous Transformations in the Early Colonial Americas: Archaeological Case Studies*, edited by C. L. Hofman and F. W. M. Keehnen, pp. 58-84. Brill, Leiden.

McEwan, Bonnie G.

2014 The Historical Archaeology of Seventeenth-Century La Florida. *The Florida Historical Quarterly* 92(3):491-523.

Van Buren, Mary

2010 The Archaeological Study of Spanish Colonialism in the Americas. *Journal of Archaeological Research* 18(2):151-201.

Lab Exercises:

- Spanish ceramic types
- <https://www.floridamuseum.ufl.edu/histarch/ceramic-types/>

Lab Source:

- Some standard descriptive overviews of pottery will be made available on Canvas, but the website of ceramic types listed above will be the best visual source

### January 19      Faunal Analysis

*Professor Susan deFrance, guest lecture*

deFrance, Susan D.

2020 Guinea Pigs in the Spanish Colonial Andes: Culinary and Ritual Transformations. *International Journal of Historical Archaeology* <https://doi.org/10.1007/s10761-020-00548-6>.

Pavao-Zuckerman, Barnet and Vincent M. LaMotta

2007 Missionization and Economic Change in the Pimería Alta: The Zooarchaeology of San Agustín de Tucson. *International Journal of Historical Archaeology* 11:241-268.

Reitz, Elizabeth J.

1992 The Spanish Colonial Experience and Domestic Animals. *Historical Archaeology* 26(1):84-91.

Lab Exercises:

- Introduction to identifying faunal elements

## **January 26 Colonial Archaeology: A Primer on Method and Theory and Things**

Deagan, Kathleen

1988 *Artifacts of the Spanish Colonies of Florida and the Caribbean, Vol. 1*. Smithsonian Institution Press, Washington, DC

- Chapter 3 “Economic Factors Affecting the Distribution of Artifacts in Florida and the Caribbean”

Ewen, Charles

2001 From Colonist to Creole: Archaeological Patterns of Spanish Colonization in the New World. *Historical Archaeology* 34(3): 36-45.

South, Stanley

2016 Pattern Recognition in Historical Archaeology. In *The Historical Archaeology Laboratory Handbook, vol. 1: Patterns and Analysis*, edited by John M. Chenowith, pp. 203-210. Germantown, MD, Society for Historical Archaeology.

Lab Exercises:

- Introduction to Nombre de Dios collection
- Exercises on archaeological contexts

## **• In-Class Quiz 1**

## **February 2 Spanish Expeditionary Period**

Ewen, Charles R., John H. Hann

1998 *Hernando de Soto Among the Apalachee: The Archaeology of the First Winter Encampment*. University Press of Florida, Gainesville.

Mitchem, Jeffrey M.

1989 Artifacts of Exploration. In *First Encounters: Spanish Explorations in the Caribbean and the United States, 1492-1570*, edited by Jerald T. Milanich and Susan Milbrath, pp. 99-109. University Press of Florida, Gainesville.

Worth, John

2018 Archaeological and Documentary Insights into the Native World of the Luna Expedition. Paper presented at the 75th Annual Meeting of the Southeastern Archaeological Conference, Augusta, Ga., November 16, 2018.

Lab Exercises:

- Indigenous pottery types in colonial Spanish Florida
- 16<sup>th</sup> century diagnostics

Lab Source:

Worth, John

2016 Interpreting Spanish Artifact Assemblages in the Mid-Sixteenth-Century Southeast: The View from the 1559-1561 Tristán de Luna Settlement on Pensacola Bay. Paper presented at the 73rd Annual Meeting of the Southeastern Archaeological Conference, Athens, Ga., October 27, 2016.

**February 9 The Subjects and Objects of Empire: Indigenous Archaeology**

Cobb, Charles R., and Dino A. Ruggiero

2003 Lithic Technology and the Spanish Entrada at the King Site in Northwest Georgia. In *Stone Tool Traditions in the Contact Era*, edited by C. R. Cobb, pp. 13-28. University of Alabama Press, Tuscaloosa.

Legg, James B., Charles R. Cobb, Edmond A. Boudreaux III, Brad R. Lieb, Chester B. DePratter, and Steven D. Smith

2020 The Stark Farm Enigma: Evidence of the Chicasa (Chikasha)-Soto Encounter in Mississippi. In *Modeling Entradas: Sixteenth-Century Assemblages in North America*, edited by Clay Mathers, pp. 43-67. University of Florida Press, Gainesville.

Smith, Marvin T., and David J. Hally

2020 The Acquisition of Sixteenth-Century European Objects by Native Americans in the Southeastern United States. In *Modeling Entradas: Sixteenth-Century Assemblages in North America*, edited by Clay Mathers, pp. 203-246. University of Florida Press, Gainesville.

Lab Exercises:

- Appropriating European objects
- Lithic Technologies

Lab Source:

Andrefsky, William, Jr.

1998 *Lithics: Macroscopic Approaches to Analysis*. Cambridge, Cambridge University Press.

- Chap. 2, Basics of Stone Tool Production

**February 23 The Mission Period**

Milanich, Jerald

1998 *Laboring in the Fields of the Lord: Spanish Missions and Southeastern Indians*. Smithsonian Institution Press, Washington DC.

- preface and Chapter 1

Panich, Lee M., Rebecca Allen and Andrew Galvan  
2018 The Archaeology of Native American Persistence at Mission San José. *Journal of California and Great Basin Anthropology* 38(1):11-29.

Panich, Lee M.  
2013 *Mission Archaeology in North America*. In *Global Archaeology*, edited by Claire Smith, pp. 4955-4960. Springer, New York.

Lab Exercises:

- Introduction to The Comparative Mission Archaeology Portal:

<https://cmap.floridamuseum.ufl.edu/>

Lab Sources:

2002 *Artifacts of the Spanish Colonies of Florida and the Caribbean, 1500-1800: Vol. 2*. Smithsonian Institution Press, Washington, D.C.

- Chap. 4, Religious Items
- Chap. 5, Amulets and Magical Items

• In-class Quiz 2

**March 2      Spring Break**

**March 9      Life at Presidios and Towns**

Bense, Judith A.

2004 Presidio Santa María de Galve (1698-1719): A Frontier Garrison in Spanish West Florida. *Historical Archaeology* 38(3):47-64.

Pavao-Zuckerman, Barnet, and Diana DiPaolo Loren

2012 Presentation is Everything: Foodways, Tablewares, and Colonial Identity at Presidio Los Adaes. *International Journal of Historical Archaeology* 16:199–226.

Voss, Barbara L.

2012 Status and Ceramics in Spanish Colonial Archaeology. *Historical Archaeology* 46(2): 39-54.

Lab Exercises:

- Sorting objects from daily life

Lab Sources:

Deagan, *Spanish Artifacts, vol. 2*

- Chap. 9, Buckles...
- Chap. 14, Pastimes...

## **March 16      Conflict Archaeology: Forts, Battles, Armaments**

Beck, Robin A., Christopher B. Rodning, and David G. Moore (eds.)

2016 *Fort San Juan and the Limits of Empire: Colonialism and Household Practice at the Berry Site*. University Press of Florida, Gainesville.

- pp. 1-3, and Chap. VI (“What They Left Behind”)

Halbirt, Carl D.

2004 La Ciudad de San Agustín: A European Fighting Presidio in Eighteenth-Century “La Florida.” *Historical Archaeology* 38(3):33-46.

Schmader, Matthew F.

2018 One Battle, Many Cultures: Vazquez de Coronado and the “Tiguex War” of 1540-1542. In *Fields of Conflict, Conference Proceedings from the 10th Biennial International Conference*, Vol. 2, pp. 18-35. Mashantucket, CT, Mashantucket Pequot History and Research Center.

Lab Exercises:

- Gun parts, gunflints, musketballs

Lab Source:

Deagan, Kathleen

2002 *Spanish Artifacts Vol. 2*.

- Chap. 13, Personal Firearms

## **March 23      Coins, Chronologies and Seriations**

Adams, William Hampton

2003 Dating Historical Sites: The Importance of Understanding Time Lag in the Acquisition, Curation, Use, and Disposal of Artifacts. *Historical Archaeology* 37(2):38-64.

Kemmers, Fleur, and Nanouschka Myrberg

2011 Rethinking Numismatics: The Archaeology of Coins. *Archaeological Dialogues* 18(1):87-108.

Wells, Tom

2016 Nail Chronology: The Use of Technologically Derived Features, In *The Historical Archaeology Laboratory Handbook, vol. 2: Seventeenth, Eighteenth, and Nineteenth Century Materials*, edited by John M. Chenoweth, pp. 155-176. Germantown, MD, Society for Historical Archaeology.

Lab Exercises:

- Sorting nails and coins

Lab Source:

Deagan, *Spanish Artifacts*, vol. 2

- Chap. 12, “Coins and Weights”



## • In-Class Quiz 3

### March 30      Sourcing Studies

This class will be a hands-on demonstration of the use of portable X-Ray Fluorescence (pXRF), an instrument that can determine the elemental composition of materials. The physics behind this are somewhat complex, and we are more concerned with practical applications. The link to our lab source reading below has an introduction to the technique, but it is a bit detailed. Focus on pages 7-9, 15-16, and generally peruse the remainder of the chapter.

Lab Source:

Shackley, M. Steven

2010    An Introduction to X-Ray Fluorescence (XRF) Analysis in Archaeology. In *X-Ray Fluorescence Spectrometry (XRF) in Geoarchaeology*, edited by M. Steven Shackley, pp. 7-44. Springer, New York.

### April 6          Identity in the Spanish Empire

Deagan, Kathleen, and Darcie MacMahon

1995    *Fort Mose: Colonial America's Black Fortress of Freedom*, University Press of Florida.  
• pp. 1-4, 20-36

Loren, Diana D.

2007    Corporeal Concerns: Eighteenth-Century Casta Paintings and Colonial Bodies in Spanish Texas. *Historical Archaeology* 41(1):23–36.

Trigg, Heather

2020    Spanish-Pueblo Interactions in New Mexico's Seventeenth-Century Spanish Households: Negotiations of Knowledge and Power in Practice. *International Journal of Historical Archaeology* 24:618–641.

Lab exercises:

- Identifying personal objects and beads

Lab Sources:

Deagan, Spanish Artifacts, vol. 2

- Chap. 8, Clothing Fasteners

Kidd, Kenneth E., and Martha Ann Kidd

2016    A Classification System for Glass Beads for the Use of Field Archaeologists. In *The Historical Archaeology Laboratory Handbook, vol. 2: Seventeenth, Eighteenth, and Nineteenth Century Materials*, edited by John M. Chenoweth, pp. 253-296. Germantown, MD, Society for Historical Archaeology.

## **April 13      Space, Place, and Architecture**

Blind, Eric Brandon, Barbara L. Voss, Sannie Kenton Osborn, Leo R. Barker

2004   El Presidio de San Francisco: At the Edge of Empire. *Historical Archaeology* 38(3):135-149.

Deagan, Kathleen

1983   St. Augustine: First Urban Enclave in the United States. *North American Archaeologist* 3(3):183-205.

Thompson, Victor D., John A. Turck, Amanda D. Roberts Thompson, and Chester B. DePratter  
2013   Entangling Events: The Guale Coastal Landscape and the Spanish Missions. In *Life Among the Tides: Recent Archaeology on the Georgia Bight*, edited by Victor D. Thompson and David Hurst Thomas, pp. 423-437. Anthropological Papers No. 98. American Museum of Natural History, New York.

### **Lab Exercises:**

- Approaches to spatial analysis

### **Lab Source:**

South, Stanley, Russell K. Skowronek, and Richard E. Johnson

1988   *Spanish Artifacts from Santa Elena*. Anthropological Studies No. 7. South Carolina Institute of Archaeology and Anthropology, University of South Carolina, Columbia.

- Chap. 3, The Architecture Group of Artifact Classes

### **• In-Class Quiz 4**

## **April 20      The Potential of Shipwrecks**

Smith, Roger C.

2018   Marine Archaeology Comes to Pensacola: Archaeological Background. In *Florida's Lost Galleon: The Emmanuel Point Shipwreck*, edited by Roger C. Smith, pp. 7-32. University Press of Florida, Gainesville.

- Research Papers due
- Project Presentations