

Zooarchaeology

Zooarchaeology, ANG5126
Fall 2019
Section 4D79
www.clas.ufl.edu/users/sdef/

Dr. Susan D. deFrance (sdef@ufl.edu)
1350B Turlington
Office Hours:
Tuesday 11:00-12:30 and
Thursday 3:00-4:30 pm
and by appointment

Class number – 10499
T – 3 9:35-10:25
R – 3-4 9:35-11:30

Required Texts

Zooarchaeology by Elizabeth J. Reitz and Elizabeth S. Wing, Cambridge University Press, Second Edition, 2008.

Required lab documents and illustrations are available on the class Canvas elearning site. Additional materials/readings will be posted on the elearning site

Course Objectives and Learning Outcomes

The goal of the class is to provide an understanding of zooarchaeological methods and analysis. We will also cover a variety of theoretical issues related to zooarchaeological research; however, the primary goal of the class is develop skills in the identification and analysis of zooarchaeological materials. You will master a range of biological information related to skeletal biology and taxonomy. You will then apply that knowledge to a sample of archaeologically recovered faunal remains. The class will also provide you with the skills to make decisions regarding recovery methods in field situations.

Course Requirements

The first third of the class will provide the biological foundation for zooarchaeological research. You will then conduct an analysis of zooarchaeological material. The analysis will consist of the sorting of the material, identification, quantification, and preparation of a report describing your findings. In your report you will contextualize the sample in terms of location and chronological placement, problematize your sample, and compare your findings to other faunal studies. An additional handout on the format of your report will be provided (see also Reitz and Wing Appendix A3-2, Pg. 374). You will also present an oral presentation on your findings to the class.

Grading

Attendance and Participation (CEL phones OFF)	10 %
Lab Practicals (5 – drop one score, must take all 5)	20
Assignments (3) 5% each	15
Midterm take-home exam	20
Research Project and Paper	25
15 minute Oral Presentation	10

Please do not email me your assignments to me. Bring hard copies to class.

Honor Code:

The UF Honor Pledge: We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

For all work submitted for credit by UF students, the following pledge is either required or implied: **"On my honor, I have neither given nor received unauthorized aid in doing this assignment."**

Students with Disabilities:

The Disability Resource Center coordinates the needed accommodations of students with disabilities. Please register with the Dean of Student's office if you require assistance. They will provide you with documentation to present to your professor. www.dso.ufl.edu/drc/

Use of the Archaeology Lab – B357

The archaeology lab is used for teaching and student lab projects. You may use the lab anytime that a class is not in session including nights and weekends. You **MUST** return the key to the lock box on the door. Do not leave the lab door open and unlocked. Always close the door and make sure that it is locked.

Food and drinks are not allowed in the lab. You must clean the table tops of dirt and return all items to the storage shelves along the walls of the room before you leave.

Your respect and consideration of other individuals is essential. Please keep your voices to a minimum. Please be considerate of your use of space and your belongings (backpacks).

There are some comparative skeletal specimens specifically for teaching. However, the majority of the specimens will be from the zooarchaeology comparative collection. These are modern complete skeletal specimens. Countless hours have been spent in their collection and curation. Please be extremely careful when using them. They are in black boxes. Many of the specimens have been sorted (i.e., the black box will contain several smaller boxes and or vials with various elements).

Once your samples are selected, comparative specimens appropriate to your geographic region will be stored on shelves in the lab.

When using a comparative specimen, place the elements in a tan sorting box or on a plastic tray. Do not place specimens on bare table tops. Be careful to keep comparative specimens separate when you are comparing two or more taxa. Be careful to return all vials and smaller boxes to the original box. Return all specimens to the shelf in the lab from which it was removed so that your classmates have access to the material. Do not leave specimens with your sample. **DO NOT** remove skeletal specimens from the lab B357.

The archaeological faunal sample for your project will be housed in boxes on a metal tray. You can use tan trays for the sorting and storage of your specimens. Do not write on the tan boxes. Place temporary identification labels in the boxes. These will contain both provenience information and taxonomic information. You will be responsible for returning your project assemblage to the metal cabinet or storage area assigned after each lab session.

You will be responsible for labeling your assemblage with proper information for curation purposes. Once your preliminary identifications are complete, you will prepare analysis forms with detailed identification information. Once I have checked your identifications, you will be able to prepare permanent labels for you assemblage and transfer your assemblage to ziploc plastic bags for curation.

You are not to remove specimens, samples, or work materials (scales, microscopes) from B357. If you do, I will file a grievance with student honor court for inappropriate use of university material and you will fail the course.

Date	Topic	Readings
Week 1		
Aug. 20	Introduction	Reitz and Wing Ch. 1 and 2
Aug. 22	History and Theory of Zooarchaeology Taxonomy, field guides, basic sources fish and mollusk guides	Lyman; Albarella; Thomas; Corona; Wing – elearning field guides, web sites, ITIS
	Assignment 1 assigned-taxonomy and habitat	
Week 2		
August 27	sdef at ICAZ FRWG (Fish Remains Working Group) meetings History of Zooarchaeology Read 3 articles and compare approaches and findings	see bib on elearning
August 29	Tour FLMNH (Dickinson Hall, Museum Road) Environmental Archaeology– meet in lobby, sign in, and get name badge, Nicole Cannarozzi will meet you for tour of Environmental Arch, Zooarch Dr. Verity Mathis, Collections Manager, Division of Mammals Dr. Tom Webber, Collections Manager, Division of Ornithology	
Week 3		
Sept. 3	Skeletal and Basic Biology and appendices illustrations	Reitz and Wing Ch. 1 and 2 Sisson and Grossman
Sept. 5	Mammalian biology and skeleton Lab: Mammals Assignment 1 due	Reitz and Wing Ch. 3 Sisson and Grossman; Gilbert Reitz and Wing A2-3 Canvas lab materials
Week 4		
Sept. 10	Basic Ecology	Reitz and Wing Ch. 4
Sept. 12	Lab: Birds Quiz: Mammals	Howard 1929 Reitz and Wing A2-4-A2-10 Olsen 1972 (part 4), Gilbert et al. 1981 Canvas lab materials
Week 5		
Sept. 17	Site Context and Recovery Tacahuay Birds Case Study	Reitz and Wing Ch. 5
Sept. 19	Lab: Reptiles and Amphibians Quiz: Birds	Romer 1956, Olsen 1968 Reitz and Wing A2-11-A2-13 Canvas lab materials
Week 6		
Sept. 24	Primary Zooarchaeological Data	Reitz and Wing Ch. 6

Sept. 26	Lab: Fish Quiz: Reptiles and Amphibians	Gregory 1933 Reitz and Wing A2-14-A2-20 Wheeler and Jones 1989 Canvas lab materials
Week 7		
Oct. 1	Secondary Zooarchaeological Data Assignment 2 assigned	Reitz and Wing Ch. 7, 8 elearning readings
Oct. 3	Quiz: Fish Lab - Taphonomy Taphonomy exercise Assignment 3 assigned	Reitz and Wing Ch. 10 and 11 elearning readings
Week 8		
Oct. 8	Ethnoarchaeology Assignment 2 due	Hadjikoumis; Jones and Quinn; Lupo and Schmitt
Oct 10	Lab: receive samples, begin sorting samples	
Week 9		
Oct. 15	Domestication	Reitz and Wing Ch. 9 elearning readings
Oct. 17	Quiz: All vertebrates Lab – sort samples Distribute Midterm Exam	
Week 10		
Oct. 22	Andean Case Study – Middle Horizon sites	Nash and deFrance
Oct. 24	MIDTERM EXAM due start of class Assignment 3 due Work on samples	
Week 11		
Oct. 29	New Orleans Historical Case Study	deFrance and Kennedy
Oct. 31	Work on samples	read project literature
Week 12		
Nov. 5	Translocating Fauna	Lefebvre et al.
Nov. 7	Work on samples	read project literature
Week 13		
Nov. 12	Ritual and Symbolic Uses of Animals I will begin to check identifications	read project literature
Nov. 14	Work on samples	
Week 14		
Nov. 19	Work on samples	read project literature
Nov. 21	Work on samples	

Week 15

Nov. 26

Work on samples

All identifications must be completed for me to verify

Begin quantification of data, NISP, MNI, Biomass and Percentages

Nov. 28

Thanksgiving Holiday

Week 16

Dec. 3

Student Presentations – brief and informal

All corrections to identifications must be completed

Friday, Dec. 6

all curation of identified samples must be complete by 4 p.m.

Week 17

REPORTS DUE Monday, December 9, 4:30 pm

Email full report or drop off hard cop