

# Spring 2024

## Living World in Archaeological Science

ANTH 2267/5267 CLST 3303/5303 NELC 2950



### **Instructors:**

**Chantel White**, Ph.D., Teaching Specialist for Archaeobotany ([chantelw@upenn.edu](mailto:chantelw@upenn.edu))

Office (Museum 161) Phone 215-573-2629

Archaeobotany Lab (Museum 181) Phone 6-2931

Office hours via Zoom: Thurs. 1:30-3:00pm after class, or by appointment

**Katherine Moore**, Ph.D., Mainwaring Teaching Specialist for Archaeozoology ([kmmoore@upenn.edu](mailto:kmmoore@upenn.edu))

Office (Museum 338) Phone 215-898-6306

Zooarchaeology Lab (Museum 160) Phone 8-4060

Office hours via Zoom: Monday 3:00-5:00pm, or by appointment

Instructional Support Assistant: Eric Hubbard ([Hubbard1@sas.upenn.edu](mailto:Hubbard1@sas.upenn.edu))

### **Fulfills:**

ANTH Archaeology (AAAR)

ANTH CAAM minor intermediate course (AAAM)

ANTH Environmental Anthropology (AAEA)

ANTH Material Worlds, Landscapes, Archaeology (AAMW)

ANCH Ancient & Premod Hist Related Crs Other Dept (AANP)

ANCH Greco-Roman Culture (AANB)

CLST Classical Studies Related Crs Other Dept (ACLB)

CLST Clscal Stds Med Arch Track: Adv Med Arch (ACLV)

CLST Clscal Stds Med Arch Track: Arch Sci Course (ACLA)

SEAS Humanities (EUHS)

Wharton UG Core Flex GenEd (WUFG)

**Class Schedule:** Tuesdays and Thursdays from 12:00-1:30 pm in Museum 190 (CAAM Classroom) and associated labs in the Center for Analysis of Archaeological Materials in the Penn Museum.

**Grad students** will meet in several informal seminars outside of class after figuring out a time.

### **Course Description:**

By focusing on the scientific analysis of archaeological remains, this course will explore life and death in the past. Living World in Archaeological Science is a team-taught course with three complementary modules: analysis of human remains, analysis of animal remains, and analysis of plant remains. Each module will combine lectures, readings, and lab- or data-based exercises with assemblages of archaeological materials. We will examine how organic materials provide key information about past environments, human behaviors, and cultural change through discussions of topics including food, inequality, and health and disease. Case examples will be drawn from a wide range of geographic regions and time places. Current CAAM research on the archaeology of the Russell House kitchen in South Carolina will connect lab activities and readings.

**Appropriate Background:** Interest or course background in archaeology, history, biology, medicine, environments and environmental change.

**Course readings:** All on Canvas

**Exams:** in class midterm and a final, for undergraduate sections

**Assignments:** Several ungraded in-class lab assignments and Three 3 lab write-ups based on a combination of laboratory work and readings. No final paper.

**Graduate Sections:** Midterm exam, participation in discussions, 3 lab reports, final research paper, final presentation.