

## Term Information

Effective Term Autumn 2024

## General Information

Course Bulletin Listing/Subject Area Anthropology  
Fiscal Unit/Academic Org Anthropology - D0711  
College/Academic Group Arts and Sciences  
Level/Career Graduate, Undergraduate  
Course Number/Catalog 5685.02  
Course Title Summer Field School in Archaeology - Turpin Site  
Transcript Abbreviation SmrFldSchITurpin  
Course Description This course provides a general introduction to archaeological field methods. After examining the importance of ethics and research design, the bulk of the focus is on survey and excavation methods. Daily hands-on experience is tempered with classroom discussion during four two-hour evening sessions.  
Semester Credit Hours/Units Variable: Min 2 Max 15

## Offering Information

Length Of Course 6 Week, 4 Week  
Flexibly Scheduled Course Never  
Does any section of this course have a distance education component? No  
Grading Basis Letter Grade  
Repeatable No  
Course Components Field Experience  
Grade Roster Component Field Experience  
Credit Available by Exam No  
Admission Condition Course No  
Off Campus Never  
Campus of Offering Columbus, Newark

## Prerequisites and Exclusions

Prerequisites/Corequisites Permission of Instructor  
Exclusions  
Electronically Enforced No

## Cross-Listings

Cross-Listings

## Subject/CIP Code

Subject/CIP Code 45.0201  
Subsidy Level Baccalaureate Course  
Intended Rank Junior, Senior, Masters, Doctoral

## Requirement/Elective Designation

The course is an elective (for this or other units) or is a service course for other units

## Course Details

### Course goals or learning objectives/outcomes

- General introduction to archaeological field methods

### Content Topic List

- Excavation
- Archaeological tools
- Record keeping
- Identification
- Mapping
- Geomorphology

### Sought Concurrence

No

## Attachments

- ANT 5685 on BA Curriculum Map.docx: Curriculum map BA  
*(Other Supporting Documentation. Owner: Palazzo, Sarah Rose)*
- ANT 5685 on BS Curriculum Map.docx: Curriculum map BS  
*(Other Supporting Documentation. Owner: Palazzo, Sarah Rose)*
- Newark field school syllabus 2022.doc: Syllabus  
*(Syllabus. Owner: Palazzo, Sarah Rose)*

## Comments

- Permanent course number to be used for one-time offering requests. *(by Palazzo, Sarah Rose on 01/11/2024 11:24 AM)*

## Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Palazzo, Sarah Rose	01/11/2024 03:56 PM	Submitted for Approval
Approved	Guatelli-Steinberg, Debra	01/11/2024 05:54 PM	Unit Approval
Approved	Vankeerbergen, Bernadette Chantal	02/02/2024 01:49 PM	College Approval
Pending Approval	Jenkins, Mary Ellen Bigler Hanlin, Deborah Kay Hilty, Michael Neff, Jennifer Vankeerbergen, Bernadette Chantal Steele, Rachel Lea	02/02/2024 01:49 PM	ASCCAO Approval

**The Ohio State University  
Anthropology 5685  
Field School in Archaeology  
Summer 2022**

**Instructor**

Dr. Robert A. Cook  
239 Alford Center  
Newark, OH 43055  
Email: cook.426@osu.edu

**Class**

Monday - Friday  
7:30 a.m. - 4:00 p.m.  
(and selected evenings)

**Required Text**

Stewart, R. Michael

2002 Archaeology: Basic Field Methods. Kendall/Hunt Publishing Company, Dubuque, Iowa.

**Course Goal**

This course provides a general introduction to archaeological field methods. After examining the importance of ethics and research design, the bulk of the focus is on survey and excavation methods. Daily hands-on experience is tempered with classroom discussion during four two-hour evening sessions.

**Grading**

Since most of your time will be spent doing archaeology, your grade will mainly be a result of the quality of your participation and performance, including the completion of a detailed field notebook. In addition, you will be required to answer take home essay questions focused on the integration of daily experience of key principles presented in your textbook, followed by discussion in four evening sessions.

participation and performance	50%
field notebook	25%
<u>take home essay questions</u>	<u>25%</u>
Total:	100%

Take home questions will be distributed in the third week. Your field notebook and take home questions are due the last day of the course.

**Academic Misconduct**

All students should familiarize themselves with rules governing plagiarism. Ignorance of these rules is not an acceptable excuse. Suspected cases of academic misconduct are referred to the proper university committees.

## **Week 1: (M-F)**

**Focus:** Introductory lectures and activities - understanding the basics of archaeological research and methods in a scientific framework.

Day 1 Introductory Lecture: Site Background, Research Design, and Project Goals

Lessons: Notebook protocols, pacing lesson, observation exercise (landscape, etc.)

### **Methods Introduced:**

- Recording archaeological excavations (documentation of artifacts, bags, units, etc.)
- Laying out and setting up archaeological units
- Sampling, screening, shovel skimming, troweling

*Lecture/Workshop 1:* Introduction to public history, engagement, and presentation (with Hinkelman).

- Note: One student per day will be in charge leading public engagement and interaction. This student will greet guests, answer questions, and generally be the public face for our excavations.

### **Week 1 Summary:**

- The first week focuses on introductory materials and lessons. This includes a first day site background tour outlining landscape characteristics and previous archaeological work. Students are expected to record these (and subsequent) lessons in daily journals. The site tour concludes with an overview of this summer's goals as they relate to previous work and what we hope to learn in the following five weeks.
- An overview of archaeological record keeping is also covered on the first day. This includes paperwork protocols, bag labeling, and other key aspects of documenting archaeological investigations.
- Archaeological methods covered in the first week focus on unit set-up and initial excavation of plowzone levels. This includes sampling plowzone contexts and screening plowzone sediments. This also includes how to set up 1x1-meter and 2x2-meter units, shovel skimming (horizontal as opposed to vertical digging), and troweling.
- The first workshop is an overview of public engagement at archaeological sites taught by Sarah Hinkelman, PhD Candidate at Ohio State University.

## **Week 2: (M-F)**

**Focus:** Continued unit excavations, feature identification, shovel test pit (STP) survey

### **Methods Introduced:**

- Archaeological Mapping; Archaeological STP Survey

Rotational Module - Archaeological Survey (Floodplain STP survey)

Rotational Module - Artifact Processing (at base camp) (2 days/week per student and rain days)

*Lecture/Workshop: Artifact Processing (off-site with Field Assistant).*

Week 2 Summary:

- Week 2 focuses on the excavation of unit levels. This includes excavating in 10-cm levels, measuring unit depth from a datum using line levels, screening all material, and taking flotation samples. Record keeping aspects from Week 1, such as note taking and bag labeling, are reinforced in this week (and all subsequent weeks).
- Also included is archaeological plan mapping with a partner (mapper and recorder). Students learn how to use plumb bobs and tape measures to map soil discolorations, feature boundaries, and piece-plot artifacts. This also includes using a Munsell soil color book and standard practices to accurately document soil color and texture.
- Along with archeological mapping, standard field photography is described and taught to students. Typically, each student will photograph the unit/features that they have been working on in addition to photos by a supervisor to ensure consistent quality.
- An important aspect of the project that begins in Week 2 is the Shovel Test Pit (STP) Survey of the floodplain below the terrace upon which the Turpin site is located. In addition to exploring the floodplain, this survey allows students to gain valuable experience learning how to excavate and record shovel tests. As a key part of CRM work in the region, shovel testing is something we feel is a critical aspect of any field school. One supervisor will direct this module.
- Week 2 also includes a workshop and initial lesson on artifact cleaning and processing by a field/laboratory assistant. Students will begin rotating into the laboratory, which is located off-site at the field camp, starting Week 2 for two days per week. The goals of the laboratory are to i) wash and rough sort artifacts, and ii) to sort and process FCR and other rock, which will be returned to excavation units before leaving the field. Transporting that much rock is logistically infeasible, but we collect data and remove ground stone tool fragments prior to redepositing the rock.

**Week 3: (M-F)**

Focus: Continued Unit Excavations, Feature Excavation, STP Survey

Methods Introduced: Feature excavation and documentation.

Methods Reinforced: Unit excavations, mapping, and STP surveying.

*Lecture/Workshop 3: Total Station and GPS Mapping.*

Friday Field Trip (Fort Ancient State Memorial, SunWatch Indian Village and Archaeological Park, Miamisburg Mound)

Week 3 Summary:

- Week 3 introduces archaeological feature identification, excavation, and documentation. We first cover how to identify features based on soil color, texture, and artifact density. Next, feature bisection in levels is covered, including the technique and the logic of which portion of a feature might tell us the most about specific prehistoric activities. This allows for teaching a key method and also reinforces concepts of preservation and sampling.
- Week 3 includes a workshop focused on mapping technology in archaeology that includes two elements. The first is a field workshop that students will rotate into focused on mapping with a total station. Students will work with Dr. Comstock to learn the logic of total station mapping, including setting up and running a total station to lay out test units to be opened over subsequent weeks. The second is a workshop on utilizing a handheld Trimble GPS unit to record coordinates for STPs and various parts of the landform.
- Week 3 also includes a field trip day to archaeological and cultural sites in the area. On this trip are Fort Ancient State Memorial, Miamisburg Mound, and SunWatch Indian Village and archaeological park. These are included together because of geographic location and theme. Fort Ancient State Memorial has an excellent museum tracing the cultural history of the region in addition to expansive earthworks. Miamisburg Mound is a large Woodland-period mound. SunWatch is a reconstructed Fort Ancient culture village that provides both a museum and rebuilt houses. Considering this is from the same general time period as Turpin, seeing the features at SunWatch help reinforce the specific lessons of the week (features types and identification) as well as the general lifestyle of the people who lived at Turpin.

#### **Week 4: (M-F)**

Focus: Continued Unit Excavations, Feature Excavation

Methods Introduced: Archaeological Geomorphology

Methods Reinforced: Unit and Feature Excavation and Documentation, STP Survey

*Lecture/Workshop 4:* Archaeological Geomorphology (Todd Grote, IUS; Ben Cross, OSU)

Week 4 Summary:

- Week 4 continues and reinforces lessons on excavation and mapping techniques as we work through features identified in excavation units.
- Additional units are opened as needed to explore feature boundaries or other areas of interest.
- The workshop for this week is a rotational two-on-one experience with Dr. Todd Grote, a professor of Geosciences who specializes in geoarchaeology and geomorphology. Grote is working with Comstock (IUE) and Cook (OSU) to investigate the landscape history of both the terrace upon which Turpin is located as well as the floodplain below that terrace. Students will participate in soil coring, sample preparation and storage, and basic field interpretations. This

opportunity provides an experience not frequently offered at field schools, and helps introduce students to an important interdisciplinary aspect of archaeology.

**Week 5: (M-F)**

Focus: Final excavations and documentation. Unit closing and backfill.

Methods Introduced: Unit closing and backfill.

Methods Reinforced: Feature Excavation and Documentation.

*Lecture/Workshop 5:* Public Archaeology (involving a variety of Native and public institutions)

Week 5 Summary:

- Week 5 focuses on finalizing unit excavations, gathering specialized samples, identifying important areas for future seasons, and closing units.
- One lecture this week by Comstock and other professionals/students focuses on careers in Archaeology. We will cover academic, contract, museum, and public history career tracks, as well as insights that we have all gained over the past decades working and studying in the discipline.
- An important aspect of Week 5 is a retrospective on what we've learned regarding our research question for the season. This includes our tentative findings, student reflections, and provides a structured forum for student questions.
- The workshop this week is a visit to a local public history/archaeology organization like the Cincinnati Museum Center.

**Week 6: (M-F)**

Focus: Lab work and overall interpretations.

Methods Reinforced: Laboratory analysis, including artifact washing, sorting, and cataloging.

Week 6 Summary:

- Students will participate in lab work that week. Laboratory instruction will provide further experience in artifact identification and processing and how interpretations are made from field data, including designing lab-based analyses.

## **ANTHROPOLOGY MAJOR (BA)**

### **Program Learning Goals:**

The general goals of our undergraduate program in Anthropology (BA) are threefold: (1) attract and train an increasingly diverse and competitive student body; (2) make graduates more competitive on the job market and in the applicant pool for graduate/professional school; (3) provide more rigorous and empirically oriented training within each anthropological subfield.

General goals # 2 and # 3 are met by a curriculum designed to achieve the following specific learning goals:

- (i) Students are introduced to the breadth of and acquire foundational knowledge in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (ii) Students master core concepts in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (iii) Students complete elective coursework in each of the three sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (iv) Students gain in depth knowledge in one (or more) field by choosing at least two additional courses in any sub discipline (physical anthropology, cultural anthropology or archaeology) within the major.



**CURRICULUM MAP AND PROGRAM LEARNING GOALS: BA**

<b>Required Courses</b>	<b>Goal # i</b>	<b>Goal # ii</b>	<b>Goal # iii</b>	<b>Goal # iv</b>
ANT 2200	✓			
ANT 2201	✓			
ANT 2202	✓			
ANT 3300 or 3301		✓		
ANT 3401		✓		
ANT 3525		✓		
<b>Elective Courses</b>				
<b>Physical Anthropology Elective</b>				
<b>(Complete at least one of the following)</b>				
ANT 3211			✓	
ANT 3302			✓	
ANT 3304			✓	
ANT 3304			✓	
ANT 3305			✓	
ANT 3315			✓	
ANT 3409			✓	
ANT 3410			✓	
ANT 3411			✓	
ANT 3500			✓	
ANT 3504			✓	
ANT 5600			✓	
ANT 5607			✓	
ANT 5608			✓	
ANT 5609			✓	
ANT 5610			✓	
ANT 5641			✓	
ANT 5644			✓	
ANT 5645			✓	
ANT 5797			✓	

Cultural Anthropology Elective				
(Complete at least one of the following)				
ANT 3005*			✓	
ANT 3027			✓	
ANT 3050			✓	
ANT 3334			✓	
ANT 3360			✓	
ANT 3400			✓	
ANT 3403			✓	
ANT 3416			✓	
ANT 3418			✓	
ANT 3419			✓	
ANT 3597.01			✓	
ANT 3597.02			✓	
ANT 3623			✓	
ANT 4100*			✓	
ANT 4597.05H			✓	
ANT 5601			✓	
ANT 5602			✓	
ANT 5621			✓	
ANT 5624			✓	
ANT 5625			✓	
ANT 5626			✓	
ANT 5627			✓	
ANT 5797			✓	
Archaeology Elective			✓	
(Complete at least one of the following)				
ANT 3072			✓	
ANT 3350			✓	
ANT 3402			✓	
ANT 3434			✓	
ANT 3451			✓	
ANT 3452			✓	
ANT 3555			✓	
ANT 3604			✓	
ANT 4597.03H			✓	
ANT 5603			✓	
ANT 5604			✓	
ANT 5605			✓	
ANT 5614			✓	
ANT 5615			✓	

ANT 5651			✓	
ANT 5685.XX			✓	
ANT 5797			✓	
			✓	
Free Elective # 1				✓
Free Elective # 2				✓
(complete any 2 additional courses from the list of electives above)				

## **ANTHROPOLOGICAL SCIENCES MAJOR (BS)**

### **Program Learning Goals:**

The general goals of our undergraduate program in Anthropological Sciences are to prepare students for (i) employment that combines critical thinking, communication, and analytical skills with an understanding of human diversity in both time and space and/or (ii) continued study in graduate/professional schools.

These general goals are met via the following specific learning outcomes:

- (i) Students will acquire foundational knowledge in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (ii) Students will achieve mastery of core concepts in each of the three major sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology). In so doing, they will acquire rigorous and empirically oriented skills in each sub discipline.
- (iii) Students will accumulate breadth of knowledge by completing elective coursework in each of the three sub-disciplines within the major (physical anthropology, cultural anthropology and archaeology).
- (iv) Students achieve in depth knowledge in one (or more) field by choosing at least two additional courses in any sub-discipline (physical anthropology, cultural anthropology or archaeology) within the major.
- (v) Students achieve competence in basic statistical methods and evolutionary theory.

**CURRICULAR MAP AND PROGRAM LEARNING GOALS (BS)**

<b>Required Courses</b>	<b>Goal # i</b>	<b>Goal # ii</b>	<b>Goal # iii</b>	<b>Goal # iv</b>
ANT 2200	✓			
ANT 2201	✓			
ANT 2202	✓			
ANT 3300		✓		
ANT 3301		✓		
ANT 3401		✓		
ANT 5620		✓		
<b>Elective Courses</b>				
Physical Anthropology Elective				
(Complete at least one of the following)				
ANT 3211			✓	
ANT 3302			✓	
ANT 3304			✓	
ANT 3304			✓	
ANT 3305			✓	
ANT 3315			✓	
ANT 3409			✓	
ANT 3410			✓	
ANT 3411			✓	
ANT 3500			✓	
ANT 3504			✓	
ANT 5600			✓	
ANT 5607			✓	
ANT 5608			✓	
ANT 5609			✓	
ANT 5610			✓	
ANT 5641			✓	
ANT 5644			✓	
ANT 5645			✓	
ANT 5797			✓	

	Goal # i	Goal # ii	Goal # iii	Goal # IV	Goal # V
<b>Cultural Anthropology Elective</b>					
<b>(Complete at least one of the following)</b>					
ANT 3005*			✓		
ANT 3027			✓		
ANT 3050			✓		
ANT 3334			✓		
ANT 3360			✓		
ANT 3400			✓		
ANT 3403			✓		
ANT 3416			✓		
ANT 3418			✓		
ANT 3419			✓		
ANT 3597.01			✓		
ANT 3597.02			✓		
ANT 3623			✓		
ANT 4100*			✓		
ANT 4597.05H			✓		
ANT 5601			✓		
ANT 5602			✓		
ANT 5621			✓		
ANT 5624			✓		
ANT 5625			✓		
ANT 5626			✓		
ANT 5627			✓		
ANT 5797			✓		
<b>Archaeology Elective</b>					
<b>(Complete at least one of the following)</b>					
ANT 3072			✓		
ANT 3350			✓		
ANT 3402			✓		
ANT 3434			✓		
ANT 3451			✓		
ANT 3452			✓		
ANT 3555			✓		
ANT 3604			✓		
ANT 4597.03H			✓		
ANT 5603			✓		
ANT 5604			✓		
ANT 5605			✓		
ANT 5614			✓		

ANT 5615			✓		
ANT 5651			✓		
ANT 5685.XX			✓		
ANT 5797			✓		
			✓		
Free Elective # 1			✓		
Free Elective # 2					
(complete any 2 additional courses from the list of electives above)					

Additional Courses					
EEOB 3310					✓
STAT 1450 or 2450					✓