



# PRINCIPLES OF ARCHAEOLOGY

## ANTH 145 ~ SPRING 2018

**Instructor:** Dr. Scott M. Fitzpatrick  
**Email:** [smfitzpa@uoregon.edu](mailto:smfitzpa@uoregon.edu)  
**Class Time:** T/H (1200 – 1320 PM)  
**Classroom:** 180 PLC  
**Office:** 272 CON  
**Office Hours:** T/H (10:00 – 11:00 AM)

**GEs** Robert (Beau) DiNapoli  
**Email:** [rdinapol@cas.uoregon.edu](mailto:rdinapol@cas.uoregon.edu)  
**Offices:** 365B CON  
**Office Hours:**

Colin Brand  
[cbrand2@uoregon.edu](mailto:cbrand2@uoregon.edu)  
304 CON  
T (1100-1200); F (1200-1300)

**Course Prerequisite:** None

**Satisfying Group Requirements:** ANTH 145 fulfills the **Science Group** Requirement.

### **Course Description**

This course is an introduction to the history of archaeology and its methods and theories. As we progress through the term, we will discuss how archaeology developed as a discipline and ways in which archaeological investigation is conducted and applied in the field. Students will become familiar with the modern methods that archaeologists use to locate, preserve, and manage cultural resources, theories that drive archaeological interpretation, and how studies of prehistory have enriched our understanding of humans through space and time.

### **Student Learning Outcomes**

In this course students will:

- evaluate how archaeologists study and interpret the past;
- calculate how past human remains help to understand past cultural behaviors;
- identify the techniques used to analyze the impacts of humans on the environment;
- explain how humans interact with plants and animals (e.g., the development of agriculture);
- outline the consequences of population increase, the rise of social complexity, and what this means for future generations.

### **Required Software**

*Revealing Archaeology* interactive multimedia courseware for archaeology (Thinking Strings L.L.C. software) (\$75.00). Please go to the following website to purchase your serial number <<http://shop.thinkingstrings.com/revealing-archaeology-4-4/>>.

### **Optional Book**

Renfrew, C. and P. Bahn. 2011 (2<sup>nd</sup> ed) *Archaeology Essentials: Theories, Methods, and Practice* (Thames and Hudson). Can be purchased used or new online.

### **Required Exercise Materials**

Atlatl kit. *Thunderbird Atlatl* (\$30) – can be purchased at UO Bookstore (see <http://www.thunderbirdatlatl.com>) – this should be included as part of your course fee.

<b>Course grades will be based on:</b>	<b>Points</b>	<b>% Total</b>
Participation	= 50	9.1%
7 In-Section Exercises	= 140 (20 pts each)	25.5%
8 Software Modules	= 160 (20 pts each)	29.0%
Midterm	= 100	18.2%
Final Exam	= 100	18.2%
<b>Total</b>	<b>550 points</b>	<b>100.0%</b>

## **Participation**

It is essential that we provide a learning environment where we can discuss and comment on topics brought up in the course. Your participation in class/sections and in-class events and exercises will be determined by examining the frequency and quality of your participation and performance in the classroom.

## **Attendance**

While attendance is not mandatory, I will occasionally pass out roster sheets, which will be used in part to factor in participation points (i.e., the more you attend, the more likely it is you will receive an exceptional grade for participation).

## **Salutations**

Like many instructors here at UO, I'm a professor. You can call me "Professor Fitzpatrick", "Dr. Fitzpatrick", "Professor Fitz", or "Dr. Fitz". Any of those will work just fine.

## **Exercises**

Throughout the term, we will have several in-class exercises and events. Grades for these will be assessed based on participation and/or submission of written summaries of what was done. All written components will be due the following week in section and must be typed, double-spaced, 12 pt Times New Roman font, with 1" margins.

**Exercise 1:** Visit to the University of Oregon's Museum of Natural and Cultural History

**Exercise 2:** Measuring and Mapping (work in pairs)

**Exercise 3:** Stratigraphic Interpretation (work in pairs)

**Exercise 4:** Coyote Wash Pueblo (work in pairs)

**Exercise 5:** Atlats I and II: construction and design

**Exercise 6:** Atlats III: practice and demonstration

**Exercise 7:** Nazca Lines

## **Computer Modules**

*Revealing Archaeology* is organized into 8 modules, which can be thought of as chapters of a book. Each chapter (module) has a variable number of sections with 55 sections in all. Each section presents a set of concepts and contains the text of the chapters. Completion of all the modules is worth 160 points (20 pts each), which is a substantial portion of the total points for the semester in this course. **Note: there are no late points assigned for the modules – they need to be completed by the due date for which you will receive full credit (20 pts each). If they are not completed, you will receive zero (0) points.** The one exception is for Modules 4 and 5, where you can receive half credit (10 points) for completing all but the "Try It" Exercises (i.e., "serration" and "digging it" exercise). You must complete the sections as they are assigned no later than 11:59 PM on the day they are due. After this time-stamp, it will be considered late.

This software means that you need to have access to a computer. The program is Cloud-based and any computer with access to the web will suffice. Note that you must have a reliable internet connection to submit your modules (e.g., some wifi signals may not be robust enough to transfer all of the data at once, so be aware). If you need help getting started with *Revealing Archaeology*, email Thinking Strings at [support@thinkingstrings.com](mailto:support@thinkingstrings.com). See ***Revealing Archaeology* Notes to Students** and please go to the following link and "Watch Videos" before you begin. <<http://www.thinkingstrings.com/revealing-archaeology.php>>

To submit your completed modules, you need this information:

Course Codes and Pass Keys for sections (note that the Pass Key is your Section CRN as listed in the UO class schedule:

<b><u>Section Time</u></b>	<b><u>Pass Key</u></b>
Fri 9:00 – 9:50	14509
Fri 10:00 – 10:50	14510
Fri 11:00 – 11:50	14511
Fri 12:00 – 12:50	14512
Fri 1:00 – 1:50	14501
Fri 2:00 – 2:50	14502
Fri 3:00 – 3:50	14503
Fri 4:00 – 4:50	14504

Once you have finished your module, you can go to the interactive gradebook <[www.interactivegradebook.com](http://www.interactivegradebook.com)> and login with your same RA software login you set up at the beginning. Here you can check whether it was submitted properly or not and see if there is anything missing.

### Expected Student Engagement

Course Activity	Hours	Comments
Course Attendance & Participation	40	
Assigned Readings	40	
Events and Exercises	20	5 × 4 hours
Assignment 1	10	
Revealing Archaeology Modules	24	8 × 3 hours
Exam Preparation	20	2 × 10 hours
<b>Total Hours</b>	<b>154</b>	

### Grading Scale (550 points possible)

**A** – 495 - 550 points

**B** – 440 - 494 points

**C** – 385 - 339 points

**D** – 330 - 384 points

**F** – 229 points and below

**A+** = 98-100%

**A** = 93-96.9%

**A-** = 90-92.9%

**B+** = 87-89.9%

**B** = 83-86.9%

**B-** = 80-82.9%

**C+** = 77-79.9%

**C** = 73-76.9%

**C-** = 70-72.9%

**D+** = 67-69.9%

**D** = 63-66.9%

**D-** = 60-62.9%

**F** = < 59.9%

**If the class is taken P/NP, a C- or higher is required to pass the course**

### Expected levels of performance:

**A+** Quality of student's performance significantly exceeds all requirements and expectations for an A. Rarely given.

**A** Quality of performance is outstanding relative to that required to meet course requirements; demonstrates mastery of course material at the highest level

**B** Quality of performance is significantly above that required to meet course requirements; demonstrates mastery of course content at high level.

**C** Quality of performance meets the course requirements in every respect; demonstrates adequate understanding of course content

**D** Quality of performance is at the minimum level required to pass the course, but does not fully meet course requirements; demonstrates a marginal understanding of course content.

**F** Quality of performance in course is unacceptable and does not meet the course requirements; demonstrates an inadequate understanding of course content.

## Policy Issues

### **Missed Assignments/Quizzes etc...**

There will be no makeup of missed exams or assignments except as defined by the official University policy on excused absences, which are anticipated or emergency. Anticipated absences must be cleared with the instructor before missing class. Emergency absences consist of illness, injury, or serious illness or death in the family.

**Note that there is no partial credit given for *Revealing Archaeology* modules, with the exception of two that have more challenging “Try It” exercises (Seriation and Digging exercises). For every day a section assignment or exercise is late, 10% will be deducted from your final score. This includes weekend days. I do not accept emailed assignments – you must provide a hard copy unless specifically stated otherwise by me or your GE.**

### **Cheating and Academic Dishonesty**

Assignments in this class are intended to assess your individual knowledge and understanding of the subject material addressed in this class. Therefore, cheating or plagiarism in any form will not be tolerated. The work you present must be your own. Individuals involved in an act of academic dishonesty will be forwarded to the Office of Student Conduct and if circumstances warrant, fail the course. If you have any questions about what constitutes academic integrity, please see the Code of Student Conduct at: [uodos.uoregon.edu/StudentConductandCommunityStandards/StudentConductCode/tabid/69/Default.aspx](http://uodos.uoregon.edu/StudentConductandCommunityStandards/StudentConductCode/tabid/69/Default.aspx)

### **Incompletes**

In this course, an incomplete grade will be used in accordance with the official university grading policy, which can be found at [http://registrar.uoregon.edu/incomplete\\_policy](http://registrar.uoregon.edu/incomplete_policy)

### **Open Learning Environment**

The intention and structure of university level courses are to provide open, thoughtful forums for a wide variety of topics. Student should note that: “The University of Oregon affirms and actively promotes the right of all individuals to equal opportunity in education and employment at this institution without regard to race, color, sex, national origin, age, religion, marital status, disability, veteran status, sexual orientation, gender identity, gender expression, or any other consideration not directly and substantively related to effective performance. This policy implements all applicable federal, state, and local laws, regulations, and executive orders” as outlined in the handbook on the Office of Affirmative Action and Equal Opportunity. <http://aaeo.uoregon.edu/AAEO%20Booklet%20Color.pdf>

### **Accessible Education**

The University of Oregon is dedicated to the principles of equal opportunity in education and accepts diversity as an affirmation of individual identity within a welcoming community. Disability is recognized as an aspect of diversity integral to the university and to society. Please see the following link for more information: <http://aec.uoregon.edu/>

### **University Career Center**

The Career Center exists to provide career and job search services and resources to UO students and alumni. Our mission is to help you develop long-term career goals and strategies, facilitate self-exploration and discovery, connect with potential employers, and empower and challenge you to fulfill your potential. We look forward to serving as your advocate as you pursue an inspired and fulfilling future. The UO Career Center is a part of the Division of Student Affairs and has offices in Hendricks Hall on the UO campus and in the White Stag Block at the University of Oregon in Portland. Please see the following link for more information: <http://career.uoregon.edu/>

### **Computer and Other Electronic Devices Policy**

The use of laptops and other portable computer devices (e.g., phones, etc.) is prohibited during class time. These are generally disruptive and prevent us from having a favorable learning environment. Please be prepared to put these away and turn them off when class begins. If you require special accommodations relating to the use of laptops, please see me.

## Lecture Topics and Assignments

### **UNIT 1: INTRODUCTION TO ARCHAEOLOGY**

4/3–4/5 Introduction to Course – What do archaeologists do, exactly?  
The Disciplinary Foundations of Archaeology  
**Section:** Explanation of *Revealing Archaeology* software

### **UNIT 2: ARCHAEOLOGY: A BRIEF HISTORY IN TIME**

4/10–4/12 What is Left (and why)?  
**Optional Reading:** Chapters 1 & 2  
**Section: Exercise 1:** Meet at Museum of Natural and Cultural History (1680 E 15th Ave)

### **UNIT 3: SURVEY AND EXCAVATION IN ARCHAEOLOGY: WHY DO METRICS MATTER?**

4/17–4/19 Archaeological Survey and Excavation  
**Optional Reading:** Chapter 3  
**Section: Exercise 2:** Measuring and Mapping: Location TBD  
**Module 1: Humanity's Imprint** (due Friday @ 11:59 pm)

### **UNIT 4: HOW TO GET A DATE: CHRONOMETRIC TECHNIQUES**

4/24–4/26 Dating Methods and Chronology  
Dating Techniques  
**Section: Exercise 3:** Stratigraphic Interpretation  
**Optional Reading:** Chapter 4  
**Module 2: Leaving a Trail** (due Friday @ 11:59 PM)

### **UNIT 5: HOW WERE SOCIETIES (UN)ORGANIZED?**

5/1–5/3 The Social Beings in All of Us  
Coyote Wash Pueblo – Introduction to Assignment #1  
**Optional Reading:** Chapter 5  
**Module 3: Tracking Down Time** (due Friday @ 11:59 PM)  
**Section: Exercise 4:** Coyote Wash Pueblo (in Sections) and Midterm Exam review session

### **UNIT 6: THE ANIMAL IN ALL OF US: ZOOARCHAEOLOGY**

5/8–5/10 Analyzing Human-Animal Interactions through Time  
**Optional Reading:** Chapter 6  
**Module 4: Charting Time** (due Friday @ 11:59 PM)  
**Section: Exercise 4** (cont.): Coyote Wash Pueblo  
**Midterm (Tuesday 5/8)**

### **UNIT 7: WHAT HUMANS MADE AND WHY**

5/15–5/17 **Optional Reading:** Chapter 7  
**Module 5: Following the Trail** (due Friday @ 11:59 PM)  
**Section: Exercise 5** (Part I): Experimental Archaeology: Making Your Own Atlas

### **UNIT 8: BIOARCHAEOLOGY: THE STUDY OF THEM AND US**

5/22–5/24 Bones and Why They Matter  
**Optional Reading:** Chapter 8  
**Module 6: Detecting Technology** (due Friday @ 11:59 PM)  
**Section: Exercise 5** (Part II): Experimental Archaeology: Finishing your Atlats

### **UNIT 9: WHY DID THINGS CHANGE? EXPLANATION IN ARCHAEOLOGY**

5/29–5/31 Theoretical Constructs  
**Optional Reading:** Chapters 9 & 10  
**Module 7: Provisioning Society** (due Friday @ 11:59 PM)  
**Section: Exercise 6:** Experimental Archaeology: Using your Atlats (Alton Baker Rugby Field)

**UNIT 10: ARCHAEOLOGICAL ETHICS: CAN YOU DIG IT?**

6/5-6/7

Public Archaeology and Preserving the Past

**In Class – Final Review session**

**Optional Reading:** Chapters 11 & 12

**Module 8: Preserving the Trail** (due Friday @ 11:59 PM)

**Section: Exercise 7:** Experimental Archaeology: Nazca Lines (Alton Baker rugby field)

**Final Exam: (8:00 Thursday, June 14)**



Oregon State University engineering students experiment with new modes of transportation.