

## ANTHROPOLOGY (ANT) 4114

# PRINCIPLES OF ARCHAEOLOGY

Prof. Susan D. Gillespie	Fall 2011
Office: B338 Turlington Hall, Phone: 392-2253, x222	3 Credits
email: sgillesp@ufl.edu	Recommended Prerequisite: ANT 2140 or 3141
Office Hours: Tu 10am -1 pm; Wed and Thurs by appt.	Lecture TR 7 (1:55-2:45 pm) 211 Bartram
Teaching Assistant: Carmen Laguer-Diaz email c.laguer@ufl.edu Office and Office Hours: TBA	Sections: #1299 (F 5), #1303 (F 6), #8931 (F 7) All lab sections meet in B357 Turlington

*This course is NOT eligible for Gordon Rule.*

### COURSE DESCRIPTION

ANT 4114 covers the principles of the science of archaeological anthropology—how archaeologists gather evidence and make inferences and interpretations about past societies from surviving cultural and natural material remains. Examples are drawn from prehistoric and historic sites from around the world to illustrate methods and techniques. To be successful, students should already have some basic knowledge of human evolution and the rise of civilization, so ANT 2140, ANT 3141, or an equivalent course in prehistory is a strongly encouraged prerequisite for this course, which does not cover such topics. In this course we study the “how” to do archaeology, not the “what” we have learned about the past from archaeology.

This course is designed for advanced anthropology majors and minors as well as advanced majors in related disciplines who require an intensive and thorough overview of archaeological techniques and methods and an awareness of the contemporary challenges facing archaeology. It is intended to prepare students for additional courses in archaeology, including area courses, field school, artifact analysis, zooarchaeology, and paleobotany. It is essential training for anyone contemplating graduate study in anthropology and archaeology or for a career in practicing or academic archaeology, including forensic anthropology, Classics, history, art history, museology, historic site interpretation, cultural resource management, and historic preservation law.

### STUDENT GOALS

1) Master the basic principles of archaeological field and laboratory techniques: how to find and investigate sites, how to record and analyze remains, and how to assess when in time past events occurred. 2) Learn foundational methods by which archaeologists interpret these data to understand general principles of cultural and natural processes in the past. 3) Become familiar with current legal and ethical issues pertaining to heritage management, and the roles of professional and avocational archaeologists, organizations, and governmental institutions in the stewardship of the archaeological record.

### REQUIRED READINGS

There are **two required textbooks** available for purchase.

1. *Archaeology: the Science of the Human past* (2008), 3<sup>rd</sup> ed. by Mark Q. Sutton and Robert M. Yohe. This is the basic textbook. DO NOT pay full price for this textbook. Buy it *used*. You can also substitute the 2<sup>nd</sup> (2006) edition used, which is much cheaper! It will be on reserve in Library West. Call # (tba)
2. *Archaeology Workbook*, by Susan D. Gillespie (at **OBT on NW 13<sup>th</sup> St.**) It has additional technical information and problems. Bring this to Friday lab. It is needed by the second lab (section) meeting.

**Additional Required Readings** are available on E-learning in the Resources folder.

## E-LEARNING (formerly Sakai)

Go to <http://lss.at.ufl.edu>. Use your Gator-link ID to log in to E-learning. All lecture outlines are posted as Word documents in the Resources folder. Every student is expected to download the lecture outline, print it out (you can add additional spacing if you wish) and bring it to class, or download it as a word document and type notes on it on your laptop computer. Check the website regularly for announcements and handouts, especially before Friday lab. Do not use the email function in E-learning.

## FORMAT

The course format is lecture, illustrated with slides. **Every student is expected to bring the lecture outline and any handouts for that lecture to each class.** Nothing is written on the board. Students are strongly encouraged to ask the professor questions during the lectures, both to clarify what was said in class and to raise related issues. However, talking amongst yourselves is disruptive, and all students are expected to show respect for neighboring classmates who are trying to listen to the lecture.

## PERSONAL DEVICES:

*Turn off cell phones.* All cell phones, PDAs, iPods, iPads, and similar portable devices must be stowed away. Notebook computers are allowed *only* for taking notes; any other use is strictly prohibited. Newspapers and other reading materials not relevant to the class should be put away when class begins.

## LAB (SECTION) MEETINGS

The Friday sections do NOT summarize the lectures nor do they provide a review of material prior to exams. Instead, new material is introduced in the workbook and additional readings, accompanied by laboratory exercises. **The workbook has exercises for you to complete, some as homework and some during your section meeting.** See the schedule for the due dates. Bring your workbook to lab and read ahead in the workbook to be able to finish the exercises in the allotted time. There is NO time available during the 50-minute section for you to read your assignment—you must come ready to work. These exercises prepare you directly for the exams.

**Supplies:** For some exercises you will need a 30 cm ruler with *metric* measurements, a few sheets of metric graph paper (several students can share a package), scissors, and a calculator. Do not expect to use your laptops in lab classes; they are not needed and will get in the way. No food or beverages are allowed in the lab (B357 Turlington).

## ATTENDANCE

Because much of the material is presented only in lectures and in-class demonstrations, missing class will prove detrimental to your understanding of the course material and ultimately to your final grade. If you must miss class, it is your responsibility to obtain the lecture notes from a classmate (the lecture outlines should help you assess what you missed). **If you don't come to class regularly, you will fail this course.** All students are expected to be in their seats and ready to listen at 1:55; class begins promptly at that time.

*Attendance is taken during Friday sections* and figures directly into your grade. **More than 2 unexcused absences** from section will result in the lowering of your final letter grade. An excused absence is defined as one due to unexpected involuntary circumstances such as illness—you must provide the excuse as soon as you are able. If you miss section for any voluntary reason, it counts towards your unexcused allotment. Being unprepared for an in-class exercise or discussion (not having your workbook or materials or not having done the reading) will also be noted and will have a detrimental effect on your grade. Missed lab sections are almost impossible for the TA to reconstruct. Make every effort to attend Friday class!

## LAB EXERCISES

All lab exercises are graded. Homework exercises are collected at the *beginning* of class; in-class exercises are started and/or finished in class. All exercises are expected to be completed, and you automatically lose a *minimum* of 0.5% towards your final letter grade for every exercise not turned in (most exercises are

worth more). Late exercises are corrected but receive no credit without a valid excuse for their tardiness. All students are expected to do their own work. Except for group activities, any evidence that you relied on someone else for answers will result in the loss of credit for both persons.

## EXAMS

Exams consist of objective questions (matching, multiple-choice, fill-in-the-blanks), problem sets, and very short essays. **Missed Exams** may be made up only if you experience an *involuntary* absence during the scheduled exam period and if you (or someone on your behalf) has informed the Professor or the TA before the exam begins of your valid excuse. Missed exams should be made up within one week of the original exam date at the instructor's convenience.

## CRITICAL THINKING QUESTIONS

Each textbook chapter has 3-4 "highlights"—special topical sections followed by 2-3 questions. You are required to answer the questions from **one highlight each from seven (7) different chapters**—you choose which ones. These are due usually during Friday section of the week in which that chapter is assigned—see the schedule. (You may turn them in at any time before their due date.) Questions from earlier chapters or two highlights from the same chapter will not be counted towards the minimum requirement of 7. Answers must be typed and should not usually exceed one page. Indicate at the top of the page the highlight # and page # along with your name. They must be physically handed in; emailed assignments are not accepted.

## GRADING

All grades in this course are *earned* throughout the semester, not negotiated individually at the end of the semester. Do *not* request a grade adjustment based on work other than what is described in this syllabus.

Grading is based on **mastery** of the course material, as determined from the following:

1st Midterm exam:	60 points, 20% of final grade
2nd Midterm exam:	75 points, 25% of final grade
Cumulative final exam:	90 points, 30% of final grade
Workbook exercises:	40 points, ~ 13% of final grade
Section attendance and participation:	20 points, ~ 7% of final grade
Critical Thinking Questions	15 points, 5% of final grade

Total: 300 points

Letter grades are assigned at the end of the semester, based on a maximum of 300 points, according to the grading scale below. See University policy: <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>

**Important:** If a minimum grade of **C** is required to fulfill certain graduation requirements, C- does **not** fulfill those requirements. Note GPA points for each letter grade in the bottom line of the chart below.

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
270-300	264-269	255-263	240-254	234-239	225-233	210-224	204-209	195-203	180-194	174-179	173 or lower
4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0.67	0.00

The gradebook is "closed" on the date of the university-scheduled final exam for the class. Any overdue assignments must be received by that date and time.

## COPYRIGHT INFORMATION

The contents of the syllabus, all lectures, lecture outlines, handouts, and the workbook for this course are *copyrighted*. Lectures may not be tape-recorded and neither lecture notes nor the workbook may be reproduced, sold, or distributed in any profit-making enterprise (including on the internet). This would constitute

a punishable breach of copyright protections, and students who do so will be subject to sanctions; see the University code of ethics.

## STRATEGIES FOR SUCCESS

Attend class—be there on time and be prepared. Keep up with all the readings each week. Study the chapter summaries and key terms in the textbook. Use the textbook glossary. Redo any workbook exercises you did poorly. Ask questions in lecture and in lab section whenever you have any difficulty understanding the material. Contact us by email. Meet with us in person. The problem-solving components of this course may be unfamiliar. You are asked to think, to be imaginative, to look for patterns, to apply concepts, and to make interpretive judgments—not just to memorize material. The workbook exercises are designed to prepare you for your exams. Do not fall behind in your readings, exercises, and highlights.

## ACCEPTANCE OF COURSE REQUIREMENTS

By remaining registered in this class, you agree to accept the course requirements and expectations as stated in this syllabus. These are in addition to other general University requirements and codes of conduct as stated in official documents.

## Schedule of Topics and Assignments

\* = Friday lab [finish all reading assignments and homework exercises *before* lab class meets]

**T** = textbook

**Unit** = Workbook chapter

**AR** = Additional Reading

**Exercise** = Workbook problem **due** = collected at *start* of class

on E-Learning

NOTE: readings and assignments are subject to change. Check announcements on E-Learning for up-to-date assignments.

DATE	TOPIC	ASSIGNMENTS
Week 1 8/23	<i>I. Intro to Scientific Archaeology</i>	T: Ch. 1
8/25	<i>II. Brief History; Archaeology as Anthropology</i>	T: Ch. 2 to p. 50 (but read chapter summary), Ch. 3 pp. 55-60, 68-72
*8/26	archaeology and ethics [turn in highlight questions from Ch. 1-3]	T: Ch. 5, pp. 136-139; Ch. 13 pp. 370-373 AR: "SAA Principles of Archaeological Ethics" AR: "About the Register of Professional Arch..." AR: "RPA Letter to SAA on Ethics"
Week 2 8/30	<i>III. Archaeological Data and Context</i>	T: Ch. 4 to p. 98
9/1	<i>Context, continued</i>	T: Ch. 4 p. 98–end
*9/2	measurement concepts professional and avocational archaeology; archaeology in other careers [turn in questions from Ch. 4]	Unit 1; <b>Exercise #1 due</b> at start of class T: Ch. 3, pp. 75-76 careers in archaeology AR: "Student Affairs: Getting your First Job ..." AR: "Applying to Graduate School in Archaeology" AR: "Boom in Volunteer Archaeology" AR: "Archaeology and Critical Thinking"

Week 3 9/6	<i>IV. Research Design</i>	T: Ch. 3 pp. 61-62
9/8	<i>Research Design (cont'd): Sampling</i>	T: Ch. 5, pp. 120-122 (sampling) AR: "Sampling Strategies"
*9/9	site location systems, types of maps [turn in questions from Ch. 3 relevant to reading assignments this week ]	Unit II; <b>Exercises #2, 3 due</b> at start of class
Week 4 9/13	<i>V. Reconnaissance</i>	T: Ch. 5, pp. 111-120
9/15	<i>VI. Survey &amp; Mapping</i>	T: Ch. 5, pp. 123-126, Unit III
*9/16	making and reading maps [turn in questions from Ch. 5]	<b>Exercises #4 &amp; 6 due</b> ; Exercise #5 in class
Week 5 9/20	<i>VII. Excavation</i>	T: Ch. 5, pp. 127-136
9/22	<i>VIII. Recording Contextual Data</i>	Unit IV
*9/23	mapping artifacts & features [turn in questions from Ch. 5 relevant to this week's reading assignment]	<b>Exercise #7, 8 due</b> ; Read instructions for Exercise #9 prior to class; #9 due at end of class; <b>bring graph paper, metric ruler</b>
Week 6 9/27	<b>EXAM I</b>	
9/29	<i>IX. Classification in Archaeology</i>	T: Ch. 6, pp. 141-146, Unit V
*9/30	approaches to classification	<b>Exercise #10 due</b> , Read ahead for Exercises #11, #12 in class; <b>bring scissors</b>
Week 7 10/4	<i>X. Artifact Analysis- Lithics</i>	Unit VI, T: Ch. 6 pp. 147 to end for these 3 lectures on artifacts and features
10/6	<i>XI. Artifact Analysis- Ceramics</i>	Unit VII
*10/7	artifact analysis [turn in questions from Ch. 6]	Exercise #13 in class
Week 8 10/11	<i>XII. Other Artifact Industries, Features</i>	(finish Ch. 6)
10/13	<i>XIII. Human Remains</i>	T: Ch. 8
*10/14	the politics of human remains [turn in questions from Ch. 8]	<b>Exercise #13A due</b> (questions on readings) AR: "Burying American Archaeology" AR: "An Anthropological Culture Shift" AR: "Bones and Bureaucrats" AR: "Archaeological Digs Infuriate . . ."

Week 9 10/18	<i>XIV. Paleoenvironment and Diet</i>	T: Ch. 9, and Ch. 10 to p. 267
10/20	<i>XV. Dating--Relative Techniques</i>	T: Ch. 7 to p. 174
*10/21	seriation [turn in questions from Ch. 9]	Read ahead for Exercises #14, 15 in class, start #16; <b>bring calculator, scissors</b>
Week 10 10/25	<i>XVI. Dating--Absolute Techniques</i>	T: Ch. 7 p. 174 to end
10/27	<i>XVI. Dating, cont'd--Experimental</i>	
*11/2	absolute dating [turn in questions from Ch. 7]	<b>Exercise #16 due</b> ; finish #17 and #18 in class; <b>bring scissors</b>
Week 11 11/1	<b>EXAM II</b>	
11/3	<i>XVIII. Analogy and Actualistic Studies</i>	T: Ch. 3 pp. 63-68 AR: "Moving the Moai" AR: "Obsessed with Old Technology"
*11/4	Homecoming Holiday - no class	
Week 12 11/8	<i>XIX. Spatial Patterns: Technoeconomic and Social Organization</i>	T: Ch. 10, p. 268 to end
	<i>XIX. Spatial Patterns cont'd: Social and Ideological Systems</i>	T: Ch. 11
*11/11	Veterans Day Holiday - no class	
Week 13 11/15	experimental archaeology lab in class	AR: "How do Archaeologists Figure out the Function of an Ancient Tool?"
11/17	Space & Settlement: Research Design	<b>start Exercise #19</b> in class
*11/18	settlement patterns [turn in questions from Ch. 10, 11]	continue to work on Exercise #19; discussion (T Ch. 12 is an optional reading that might help)
Week 14 11/22	<i>XX. Contemporary Challenges: Stewardship of Cultural Resources</i>	T: Ch. 13 (already read pp. 370-373) AR: "Preserving America's Antiquities" AR: "Changing Times" (CRM) AR: "Anasazi in the Backyard"
11/24-25	Thanksgiving Holiday - no class Thurs or Friday	

Week 15 11/29	<i>XXI. Contemporary Challenges: Pseudo-Archaeology and Political Archaeology</i>	T: pp. 50-53 (Ch. 2) AR: "Scholars Will Call It Nonsense" AR: "Seductions of Pseudoarchaeology" AR: "The Past as Propaganda" AR: "Flashpoint Ayodhya" AR: "35,000-year-old Artifacts Repatriated ..."
12/3	<i>XXII. Contemporary Challenges: Who Owns the Past?</i>	T: Ch. 14 to p. 389 AR: "The Rape of Mali" AR: "The Looting of Arkansas" AR: "Tomb Raiders of El Dorado" AR: "In Defense of the Collector" AR: "Who Owns History?" AR: "Intellectual Property Issues in Archaeology?" AR: "World Wide Web of Antiquities"
*12/2	the politics of preservation <i>[turn in questions from Ch. 13]</i>	<b>Ex. 19 due</b> AR: "Getting a Glimpse of the Adena" Ex. 21: Preservation Issues: Role-Playing Exercise
Week 16 12/6	<i>XXIII. Archaeology in the Real World [turn in questions from Ch. 14]</i> <b>Ex. 20 due:</b> "Commerce in Artifacts"	T: Ch. 14, p. 389 (bottom)–end AR: "Disaster Archaeology ..." AR: "The Virtues of Virtual Archaeology"

**FINAL EXAM (15D) scheduled for December 15 from 3-5 pm in the lecture room**

**UNIVERSITY POLICY:** The following information is included in conformance with University Policy: 1) Students seeking modification of due dates for assignments and exams for religious reasons (e.g., holiday observance) should contact the Professor and request this modification. 2) Students seeking any classroom accommodation to facilitate their education **must** first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student, who must then provide this documentation to the Professor when requesting accommodation. 3) The University reminds every student of the implied pledge of Academic Honesty: on any work submitted for credit the student has neither received nor given unauthorized aid. This refers to cheating and plagiarism. It includes conducting unauthorized research on the internet and failing to cite sources of information. Don't do it! University policy will be enforced in any instance where cheating or plagiarism is suspected. Consult the Student Guide at [www.dso.ufl.edu/stg/](http://www.dso.ufl.edu/stg/) for more information.

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