

ANTHROPOLOGY (ANT) 4114

PRINCIPLES OF ARCHAEOLOGY

Prof. Susan D. Gillespie	Fall 2012
Office: B338 Turlington Hall, Phone: 392-2253, x222	3 Credits
email: sgillesp@ufl.edu	Recommended Prerequisite: ANT 2140 or 3141
Office Hours: Tuesday 10am-1pm and by appt.	Lecture TR 7 (1:55-2:45 pm) 211 Bartram
Teaching Assistant: Ashley Sharpe email: asharpe@ufl.edu TA 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 (writing requirement).

COURSE DESCRIPTION

ANT 4114 covers the principles of the science of archaeological anthropology—how archaeologists gather evidence and make inferences and interpretations about 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. 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 world 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 from archaeology.

This course is designed for advanced anthropology majors and minors as well as advanced majors in related disciplines who require a thorough overview of fundamental 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, as well as 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 now and in the past. 3) Become familiar with current legal and ethical issues pertaining to heritage management, and the roles of professional and avocational archaeologists, archaeological 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), 3rd 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 2nd (2006) edition used, which is much cheaper! The third edition is on reserve in Library West.
2. *Archaeology Workbook*, by Susan D. Gillespie (at **OBT on NW 13th St.**) It has additional technical information and problems. Bring this to Friday lab. It is needed before the second lab meeting (Aug. 31).

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. The Resources folder also has the additional required readings.

FORMAT

The course format is lecture, illustrated with slides. **Every student is expected to bring the lecture outline 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 labs 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 lab meeting.** See the schedule for the due dates. Bring your workbook to lab and read *ahead* (not during class time) to be able to finish the exercises in the allotted time. There is NO time available during the 50-minute lab for you to read your assignment—you must come ready to work. These exercises prepare you directly for the exams—consider them as sample tests.

Supplies: For some exercises you will need a 30 cm ruler with *metric* measurements, metric graph paper (you can download and print graph paper from the internet), 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)—this policy is strictly enforced.**

ATTENDANCE

Lectures: All students are expected to be in their seats and ready to listen at 1:55; class begins promptly at that time. Missing lectures will prove detrimental to your understanding of the course material and ultimately to your final grade. If you must miss lecture, it is your responsibility to obtain the lecture notes from a classmate (the lecture outlines should help you assess what you missed). **Exam questions draw heavily from lecture material and lab exercises.**

Labs: *Attendance is taken during Friday labs and figures directly into your grade. For every lab period missed (starting 9/7), 3 points are deducted (1 percent of final grade).* Unless your absence is excused, you will not receive credit for exercises due during a missed lab period; however, they can be turned in for correction in preparation for the next exam. Students with excused absences can request a make-up lab to compensate for the loss of points; however, some lab exercises are impossible to reconstruct. (An excused absence is defined as one due to religious holiday or unexpected involuntary circumstances such as accident, illness, death in the family—you must provide the excuse as soon as you are able). Being late, unprepared for an exercise (not having your workbook or materials or not having done the reading) will also be noted and 1-2 points may be deducted for that lab period. Make every effort to be prepared for and attend Friday class!

LAB EXERCISES

Lab exercises are corrected and 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; they have

variable point values (adding up to 45 points). Late exercises may be corrected but receive no credit without a valid excuse for their tardiness (see excused absence above). 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**. Don't lend your completed exercises to a "friend" who wants to copy them!

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 lab 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** (not handwritten) and should not usually exceed one page. At the top of the page type the highlight # and textbook page # along with your name. They must be physically handed in; emailed assignments are not accepted. It is recommended that you complete these as early as possible in the semester.

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 (see above) and if you (or someone on your behalf) has informed the Professor or the TA preferably before the exam begins, but usually no later than within a week afterward. Missed exams should be made up within one week of the original exam date at the instructor's convenience.

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
Final exam:	90 points, 30% of final grade
Workbook exercises:	45 points, 15% of final grade
Lab attendance and participation:	16 points, ~ 5% of final grade
Critical Thinking Questions	14 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 (Dec 13 10:00).

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 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 directly for your exams, so 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 Resources

the date indicated below to turn in *highlight questions* from a particular chapter is the *latest date* they will be accepted (usually on a Friday); they may be turned in to the TA earlier

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
*8/24	archaeology and ethics <i>[turn in highlight questions from Ch. 1]</i>	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 8/28	<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
8/30	<i>III. Archaeological Data and Context</i>	T: Ch. 4 to p. 98
*8/31	measurement concepts professional and avocational archaeology; archaeology in other careers <i>[turn in highlight questions from Ch. 1, 2, 3, 4]</i>	Unit 1; Exercise #1 due 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 9/4	<i>Context, continued</i>	T: Ch. 4 p. 98–end
9/6	<i>IV. Research Design, Sampling</i>	T: Ch. 3 pp. 61-62, Ch. 5, pp. 120-122 (sampling) AR: “Sampling Strategies”
*9/7	site location systems, types of maps <i>[turn in questions from Ch. 3-4 if relevant to readings this week]</i>	Unit II; Exercises #2, 3 due at start of class
Week 4 9/11	<i>V. Reconnaissance</i>	T: Ch. 5, pp. 111-120
9/13	<i>VI. Survey & Mapping</i>	T: Ch. 5, pp. 123-126, Unit III
*9/14	making and reading maps <i>[turn in questions from Ch. 5]</i>	Exercise #4 due ; Exercise #5 in class Start Exercise #6 at home; finish in class
Week 5 9/18	<i>VII. Excavation</i>	T: Ch. 5, pp. 127-136
9/20	<i>VIII. Recording Contextual Data</i>	Unit IV
*9/21	mapping artifacts & features <i>[turn in questions from Ch. 5 relevant to this week’s reading assignment]</i>	Exercise #7, 8 due ; Read instructions for Exercise #9 <i>prior</i> to class; #9 due at end of class; bring graph paper, metric ruler
Week 6 9/25	EXAM I	
9/27	<i>IX. Classification in Archaeology</i>	T: Ch. 6, pp. 141-146, Unit V
*9/30	approaches to classification	Exercise #10 due , Read ahead for Exercises #11, #12 in class; bring scissors
Week 7 10/2	<i>X. Artifact Analysis- Lithics</i>	Unit VI, T: Ch. 6 pp. 147 to end for these 3 lectures on artifacts and features
10/4	<i>XI. Artifact Analysis- Ceramics</i>	Unit VII
*10/5	artifact analysis <i>[turn in questions from Ch. 6]</i>	Exercise #13 in class
Week 8 10/19	<i>XII. Other Artifact Industries, Features</i>	(finish Ch. 6)
10/11	<i>XIII. Human Remains</i>	T: Ch. 8
*10/12	the politics of human remains <i>[turn in questions from Ch. 8]</i> for updates on NAGPRA and ABG go to http://www.nps.gov/nagpra/ http://www.africanburialground.gov/ABG_Main.htm	Exercise #13A due (questions on readings) AR: “An Anthropological Culture Shift” AR: “Archaeological Digs Infuriate . . .” AR: “Bones and Bureaucrats” (African Burial Ground) AR: “African Burial Ground Brochure 2003 ” (updates the original article)

Week 9 10/16	<i>XIV. Paleoenvironment and Diet</i>	T: Ch. 9, and Ch. 10 to p. 267
10/18	<i>XV. Dating--Relative Techniques</i>	T: Ch. 7 to p. 174
*10/19	seriation <i>[turn in questions from Ch. 9]</i>	Read ahead to finish Exercises #14, 15 in class, start #16; bring calculator, scissors
Week 10 10/23	<i>XVI. Dating--Absolute Techniques</i>	T: Ch. 7 p. 174 to end
10/25	<i>XVI. Dating, cont'd--Experimental</i>	
*10/26	absolute dating <i>[turn in questions from Ch. 7]</i>	Exercise #16 due; finish #17 and #18 in class; bring scissors
Week 11 10/30	EXAM II	
11/1	<i>XVII. Analogy and Actualistic Studies</i>	T: Ch. 3 pp. 63-68 AR: "Moving the Moai" AR: "Obsessed with Old Technology"
*11/2	experimental archaeology	AR: "How do Archaeologists Figure out the Function of an Ancient Tool?" AR: "Analogy New World" –print and bring to lab if your birthday is on an even-numbered day AR: "Analogy Old World" –print and bring to lab if your birthday is on an odd-numbered day
Week 12 11/6	<i>XVIII. Spatial Patterns: Technoeconomic and Social Organization</i>	T: Ch. 10, p. 268 to end
11/8	<i>XIX. Spatial Patterns cont'd: Social and Ideological Systems</i>	T: Ch. 11
*11/9	Homecoming Holiday - no class	
Week 13 11/13	Spatial Patterns and Archaeological Interpretation	assignments to be announced
11/15	Space & Settlement: Research Design	start Exercise #19 in Thursday class–bring workbooks and colored pencils
*11/16	settlement patterns <i>[turn in questions from Ch. 10, 11]</i>	discuss and finish Exercise #19 to turn in (T Ch. 12 is an optional reading that might help)
Week 14 11/20	<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"
11/21-23	Thanksgiving Holiday - no class Thursday or Friday	

Week 15 11/27	<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 ..."
11/29	<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: "In Defense of the Collector" AR: "Who Owns History?" AR: "Intellectual Property Issues in Archaeology?" AR: "World Wide Web of Antiquities"
*11/30	the politics of preservation <i>[turn in questions from Ch. 13]</i> (last lab meeting)	Ex. 19 due AR: "Getting a Glimpse of the Adena" Ex. 20: Preservation Issues: Role-Playing Exercise
Week 16 12/6	<i>XXIII. Archaeology in the Real World</i> <i>[turn in questions from Ch. 14]</i> Ex. 21 due: "Commerce in Artifacts"	T: Ch. 14, p. 389 (bottom)–end of chapter AR: "Disaster Archaeology ..." AR: "The Virtues of Virtual Archaeology"

FINAL EXAM (13B) scheduled for December 13 from 10 am-noon in the lecture room

The following information is provided in order to conform 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; it will then be granted.
2. Students with disabilities requesting accommodations to facilitate their education must first register with the Disability Resource Center (www.dso.ufl.edu/drc/) by providing appropriate documentation. The DRC will provide documentation to the student to give to the Professor supporting the request for accommodation. Students with disabilities should follow these procedures as early as possible in the semester.
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. University policy will be enforced in any instance where cheating or plagiarism is suspected. This includes conducting unauthorized research on the internet and failing to cite sources of information on any work submitted, as well as collaborating with students or others to determine the answers on assignments and exams. Consult the Student Guide at www.dso.ufl.edu/stg/ for more information.

4. Counseling services are available at

the University Counseling Center, 301 Peabody Hall, 392-1575
Student Health Care Center, 392-1171
Career Resource Center, Reitz Union, 392-1601
Center for Sexual Assault/Abuse Recovery and Education (CARE), Student Health Care Center, 392-1161

5. This course may utilize the electronic course reserve service offered by the George A. Smathers Libraries. Under the Rehabilitation Act and the Americans with Disabilities Act, students with disabilities have the right to equal access, use and benefit of the course materials that have been placed on reserve in the Libraries.

Students who have registered with the University of Florida Disability Resource Center should initiate their request for assistance and accommodation in accessing these materials. The Center will work with the Libraries Course Reserve

Unit to provide accessible course materials. All information submitted by the student to the Libraries in fulfilling the request for accommodation will be kept confidential. For more information on services for students with disabilities, contact the University of Florida Disability Resource Center at 352-392-8565 or at accessuf@dso.ufl.edu. For general information on course reserves, please contact the Course Reserves Unit at 352-273-2520, or email at eres@uflib.ufl.edu.

It is best to use the UF VPN client when accessing electronic materials course reserve materials, e-books, databases, etc.) offered by the library. The VPN client is easily installed and configured, and provides easy access to electronic materials. For more information on using the VPN client, go to <http://www.uflib.ufl.edu/login/vpn.html>.

6. All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate.

7. Make-up Policy: Policies regarding justification and mechanisms for making up missed exams, assignments, and attendance are found in the relevant sections of this syllabus and are in accordance with University of Florida regulations.

COPYRIGHT ©2012 Susan D. Gillespie, All Rights Reserved