

Biological Anthropology

(Anth 2307, 001) Fall 2012

INSTRUCTOR: Dr. Naomi Cleghorn
Dept. of Sociology and Anthropology, Room 421
Email: Cleghorn@uta.edu
Office Hours: Wednesday 12:15 - 2:15 pm, or by appointment
Dept. of Sociology and Anthropology Phone: 817-272-2661

CLASS MEETS: Monday & Wednesday, 11 am - 12 pm, in University Hall, Room UH 09

TEACHING ASSISTANT: Zachary Overfield (zachary.overfield@mavs.uta.edu)

SUPPLEMENTAL INSTRUCTION LEADER: Lori Phillips (lori.phillips@mavs.uta.edu)

ANTHROPOLOGY TUTOR: Christopher Shelton (christopher.shelton@mavs.uta.edu)

COURSE DESCRIPTION:

Biological anthropologists study the biology of humans and other primates - together with their respective fossil records - in order to understand the evolutionary context for modern human behavior, anatomy, and genetics. In this course we will examine a wide range of evidence from the behavioral and natural sciences in order to better understand the place of humans in the world.

The course is divided into three sections:

- 1: Genetics and modern human variation
- 2: Non-human primate behavior and anatomy
- 3: The fossil record and human origins



The class will include lecture and discussion, as well as a few in-class laboratory exercises. During laboratory exercises, students will have an opportunity to examine casts of some of the most significant fossil hominins and primates. Students are expected to attend all lectures and read assigned text sections before coming to class. In addition, each student will choose at least one book from the "Additional Readings" list to read at their own pace over first half of the semester.

STUDENT LEARNING OUTCOMES:

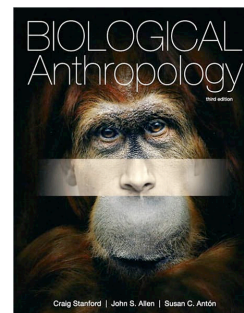
Upon completion of the course, students will be able to:

- Understand the **basic concepts of evolution** and the **mechanisms of inheritance**.
- Describe the **nature of human diversity and adaptation**.
- Appreciate the range of **primate behavior and anatomy**, and the relevance of these to humans.
- Describe the **key trends in hominin evolution**.

REQUIRED TEXTS:

Biological Anthropology: 3rd edition

by Craig Stanford, John S. Allen and Susan C. Anton, 2013



ADDITIONAL REQUIRED READING:

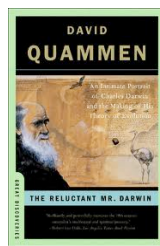
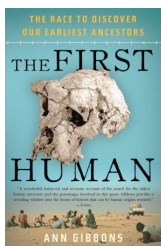
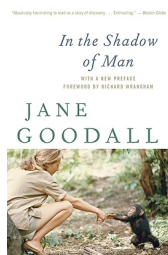
Choose at least one of the following books:

In the Shadow of Man by Jane Goodall (1971 - or any reprint)

The First Human by Ann Gibbons (2006)

The Reluctant Mr. Darwin by David Quammen (2007)

Skin: A Natural History by Nina Jablonski (2008)



***At least one of these should be completed by the midterm exam.**

There will be at least one midterm exam question specific your text.

In addition, you will write a short (2 page) essay on the book.

OTHER REQUIRED MATERIALS:

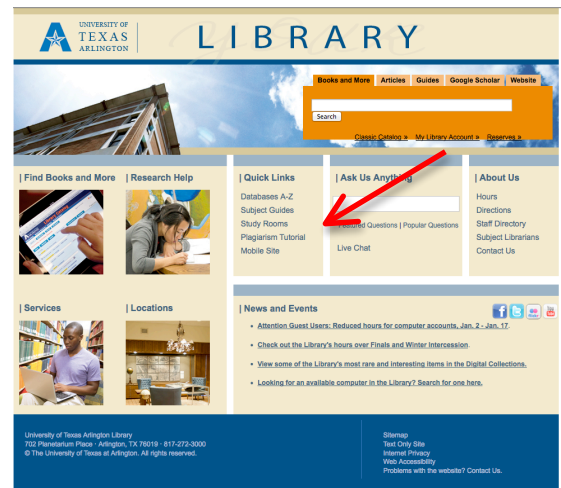
Scantron forms 882-E. You should have at least 5 of these, and you should bring one to class everyday.

IMPORTANT DATES: Note the unit quizzes and exams!

GRADED ASSIGNMENTS	Due Date / Test Date	% of Grade
On-line Plagiarism tutorial	September 7 th	1
Worksheet 1	September 17 th	5
Unit Quiz I	September 24th	10
Worksheet 2	October 12 th	5
Midterm	October 15th	20
Short Essay	October 22 nd	5
Unit Quiz II	November 12th	10
Worksheet 3	December 5 th	5
Final Exam	Wednesday, December 12th 11 am - 1:30 pm	25

REQUIREMENTS

- **Participation (10%):** Students are expected to be present on time at all class meetings, and prepared to discuss all assigned readings. Absence, lateness, or a failure to read text assignments prior to class will result in a lowered participation grade. Students are allowed 3 excused absences during the semester without penalty. If late, students will be counted as absent. If absent, students will still be responsible for any assignments due.
- **Essay (5%):** Students will address an assigned question (or questions) related to their choice of text (see above) in a short essay (2 pages maximum).
- **Worksheets (3 worth 5% each = 15%):** The worksheets reinforce concepts taken directly from the Stanford *et al.* text and in-class assignments.
- **On-line Plagiarism Tutorial (1%):** Although the completion of the tutorial only counts for 1% of your grade, you must complete the assignment to get credit for all required worksheets and the essay. The on-line tutorial on Plagiarism is available on UTA's library web site. Go to the main library page and look under "Quick Links" for the plagiarism tutorial. **You must pass this with a score of 100%** in order to get credit for the tutorial (the site itself will tell you that 70% is passing, but we have higher expectations in anthropology). You can take the tutorial as many times as you require to achieve 100% accuracy. At the conclusion of a successful test, you will need to email your results to me.
- **Unit Quizzes (2 worth 10% each = 20%):** These two quizzes cover material from lecture and the Stanford *et al.* text. They are not cumulative.
- **Pop Quizzes (4%):** These will cover material from the Stanford *et al.* text. The reading should therefore be completed before class on the day assigned (see the schedule below). Some of these will be scantron quizzes - so be sure to always bring your scantron forms (882-E) to class. Your lowest pop quiz grade will be automatically dropped.
- **Midterm (20%):** The midterm exam covers everything studied in lecture and Stanford *et al.* to date (cumulative).
- **Final Exam (25%):** The final exam will be cumulative, but with an emphasis on the latter part of the semester.



COURSE POLICIES:

MAKE-UP EXAM POLICY:

----- *There are no make-up exams!* -----

If a serious illness, emergency situation, jury duty, or military service obligation arises that prevents you from attending one of the four tests (Unity Quiz 1 or 2, Midterm, or the Final), contact me immediately. In this situation, the grade points of the test you miss will be distributed to the other three tests in the following manner:

One missed quiz:	Other unit quiz = 10%, Mid-term 25%, and Final = 30% each
Missed Midterm	Unit quizzes = 15% each, Final = 35%
Missed Final Exam:	Unit quizzes = 20% each, Mid-term = 25%

Warning!!

If you miss *two* tests for any reason, **you will not receive any credit for either test**. If this happens, you should seriously consider withdrawing from the course.

This grade redistribution will only apply in the case of the extraordinary circumstances listed above. Lying about such an emergency will be considered academic dishonesty, and will result in a failing grade.

LATE WORK POLICY:

Assignments are graded down 10% of their value per day after the due date.

ATTENDANCE POLICY:

Attendance and punctuality are required (see Participation grade above). Walking in late is rude and distracting - don't do it! Students will be graded as absent if they enter the classroom after lecture has begun, or use a cell phone or any electronic communication device during class. (I suggest you set your cell phone to silent, but I will forgive the occasional accidental ringing.)

ADDITIONAL UTA POLICIES

(as provided by the Vice Provost for Academic Affairs):

ACADEMIC INTEGRITY:

As a student of the University of Texas at Arlington, you are expected to maintain the highest standards of academic integrity. Any instance of academic dishonesty will have a significant negative impact on your scholastic record, not to mention your grade in this class. Discipline may include a failing grade together with either suspension or expulsion from the University of Texas. The Board of Regents has defined academic dishonesty as follows: "Scholastic dishonesty includes but *is not limited to* cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Series 50101, Section 2.2).

All students enrolled in this course are expected to adhere to the **UT Arlington Honor Code**:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

DROP POLICY:

Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period (**through August 29th, 2012**). After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. **The last day to drop a class is October 31st, 2012.** It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping

classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://www.uta.edu/ses/fao>).

AMERICANS WITH DISABILITIES ACT POLICY:

Please inform me if you have a disability requiring special consideration for classes and exams, and provide me with the relevant paperwork during the first two weeks of class. If you need to take any tests or exams in the Office for Students with Disabilities (UH 102), please note that these must be scheduled with **both** the instructor and that office at least a week in advance. It is possible (and preferable) to set up this schedule near the beginning of the semester. The University's policy is as follows:

The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act* (ADA). All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

WRITING SUPPORT:

Having trouble with that essay? Contact the UTA writing center on-line at:

<http://www.uta.edu/owl/>

Not only will they give you advice on your work, they also have short workshops throughout the semester. Writing well is one of the most valuable skills you can acquire in college!

STUDENT SUPPORT SERVICES AVAILABLE:

UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

ELECTRONIC COMMUNICATION POLICY:

I expect you to check your UTA email daily during the week!

UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

To obtain your NetID or for logon assistance, visit:

<https://webapps.uta.edu/oit/selfservice/>.

If you are unable to resolve your issue from the Self-Service website, contact the Helpdesk at helpdesk@uta.edu.

SUPPLEMENTAL INSTRUCTION

University Tutorial and Supplemental Instruction Information (UTSI)/University College

Supplemental Instruction (SI) is a FREE voluntary academic development program that increases student performance and retention. The program is offered to all students in this class, as well as for other historically difficult subjects on campus.

SI provides regularly scheduled out-of-class peer facilitated sessions. Senior students (SI Leaders), who have successfully taken the course before, facilitate structured group study sessions to support students to master course content and learn effective study skills. It is a great way to study while also getting to know students in your class. All SI Leaders receive extensive training. Session times will be presented by your SI Leader during the first week of class; alternatively you can visit our website at www.uta.edu/SI

READING, LECTURE AND DISCUSSION SCHEDULE:

(Subject to revision)

Readings should be completed by the beginning of class on the date given in the schedule.

Week 1:

August 24th: Introduction to Biological Anthropology

Reading: Stanford et al., Introduction

Week 2:

August 27th: Introduction to evolutionary concepts

Reading: Stanford et al., Ch. 1

August 29th: Evolutionary concepts continued

August 31st: DNA and the cell

Reading: Stanford et al., Ch. 2

Week 3:

September 3rd: NO CLASS - LABOR DAY

September 5th: DNA and the cell continued

September 7th: Genetic inheritance and expression

Reading: Stanford et al., Ch. 3

***** Plagiarism Tutorial Due *****

Week 4:

September 10th: Genetic inheritance and expression continued

September 12th: Population genetics and evolution

Reading: Stanford et al., Ch. 4 and Appendix C

September 14th: Population genetics and evolution

Week 5:

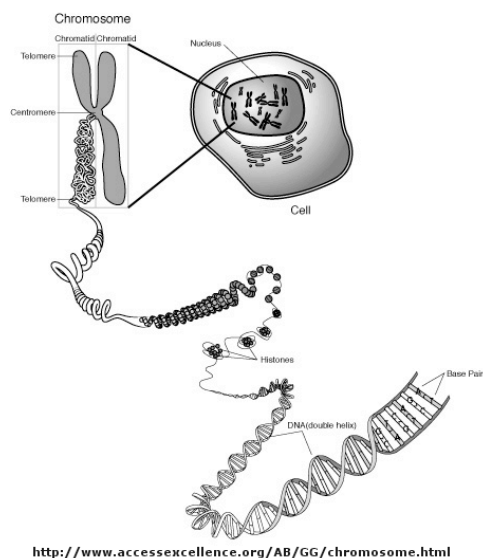
September 17th: Human variation and adaptation

Reading: Stanford et al., Ch. 5

***** Worksheet 1 due*****

September 19th: Human variation and adaptation

September 21st: Introduction to the Primates



Week 6:

September 24th: **Unit Quiz 1**

September 26th: Primates continued

Reading: Stanford et al., Ch. 6

September 28th: Primate anatomy and adaptation

Reading: Stanford et al., pp.447-458, and Appendices A & B

*Note: Your textbook is a bit light on primate anatomy,
so it is even more important to be in class this week and next.

Week 7:

October 1st: Primate Anatomy

October 3rd: **In-Class Primate Lab**

October 5th: Extra lab time if needed

Week 8:

October 8th: Primate Behavior and communication

Reading: Stanford et al., Ch. 7

& pp. 459 - 471

(Section heading: "Language: Biology and Evolution")

October 10th: Primate Behavior

Reading: Stanford et al., pp. 298-303

October 12th: review for Midterm

***** **Worksheet 2 due*******

Week 9:

October 15th: **Midterm Exam**

October 17th: Geologic Time and the Fossil Record

Reading: Stanford et al., Ch. 8

October 19th: Fossil Record continued

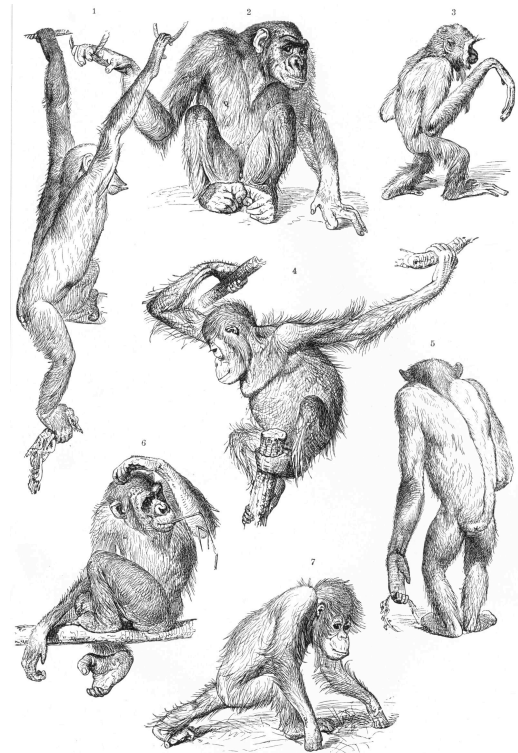
& Primate Evolution

Week 10:

October 22nd: Primate Evolution continued

Reading: Stanford et al., Ch. 9

***** **Essay due*******



October 24th: Bipedalism

Reading: Stanford et al., pp. 286-297

October 26th: Earliest Hominins

Reading: Stanford et al., Ch. 11

Week 11:

October 29th: Early Hominins continued

October 31st: Early Tools and toolmakers

November 2nd: Emergence of the genus *Homo*

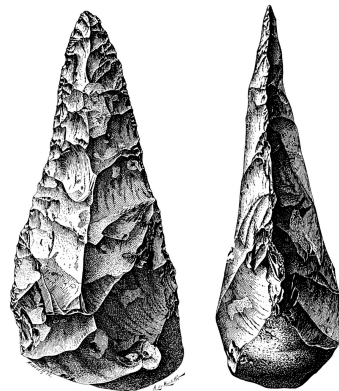
Reading: Stanford et al., Ch. 12

Week 12:

November 5th: *Homo erectus*

November 7th: *Homo erectus* continued

November 9th: **In-Class Fossil lab**



Week 13:

November 12th: **Unit Quiz 2**

November 14th: Archaic *Homo sapiens*

Reading: Stanford et al., Ch. 13

November 16th: Neanderthals

Week 14:

November 19th: Neanderthals continued

November 21st: Emergence of Modern Humans

Reading: Stanford et al., Ch. 14

November 23rd: **NO CLASS!**

Week 15:

November 26th: Modern Humans and the evolution of human behavior

Reading: Stanford et al., Ch. 17

November 28th: Evolution of the Brain

November 30th: **In-Class Fossil Lab 2**

Week 16th:

December 3rd: Biomedical anthropology, bioarchaeology, and forensic anthropology

Reading: Stanford et al., Ch. 16 and 18

December 5th: Review for Final Exam

******* Worksheet 3 due*******

Wednesday, December 12th: **Final Exam**

11 am - 1:30 pm

