Biological Anthropology
(Anth 2307, 001) Fall 2014

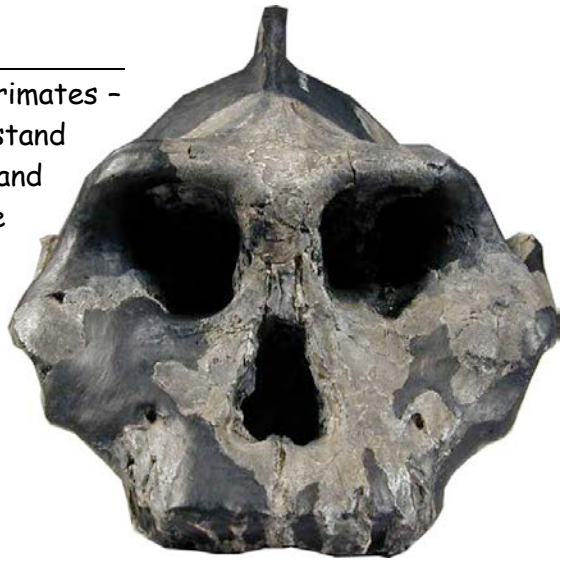
INSTRUCTOR: Dr. Naomi Cleghorn
Dept. of Sociology and Anthropology, Room 421
Email: Cleghorn@uta.edu
Office Hours: Tuesday, Thursday 3:30 – 4:30 pm, or by appointment
Dept. of Sociology and Anthropology Phone: 817-272-2661

CLASS MEETS: Tuesday & Thursday, 11:00 – 12:20 pm, University Hall, Room UH 09

TEACHING ASSISTANT: Destiny Micklin (destiny.micklin@mavs.uta.edu)
SUPPLEMENTAL INSTRUCTION LEADER: Hannah Keller (hannah.keller@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

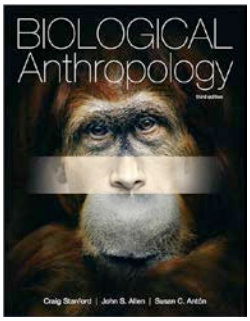
The class will include lecture and discussion, as well as a few in-class laboratory exercises. During laboratory exercises, students will have an opportunity to examine casts of some of the most significant fossil hominins and primates. Students are expected to attend all lectures and read assigned text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

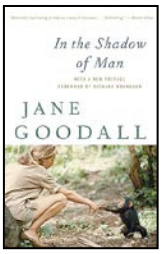
REQUIRED TEXTS:

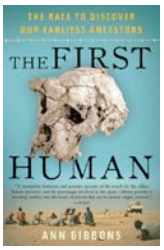


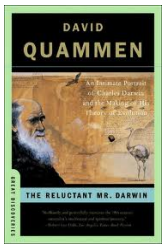
Biological Anthropology: 3rd edition
by Craig Stanford, John S. Allen and Susan C. Anton, 2013

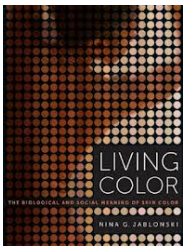
+1 ADDITIONAL REQUIRED READING:

***Choose* any *one* of the following books:**









In the Shadow of Man by Jane Goodall (1971 - or any reprint)
The First Human: The race to discover our earliest ancestors by Ann Gibbons (2006)
The Reluctant Mr. Darwin by David Quammen (2007)
Living Color: the biological and social meaning of skin color by Nina Jablonski (2008)

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

There will be at least one question on the Unit Test 2 specific your text.
In addition, you will write a short (900 word) essay on the book.

OTHER REQUIRED MATERIALS:

Scantron forms 882-E. You should have at least 5 of these. ***Bring one to class everyday***.

IMPORTANT DATES: **Note the unit tests and exam!**

GRADED ASSIGNMENTS	**Due Date / Test Date**	% of Grade
On-line Plagiarism tutorial	September 2nd	Required for worksheets/essay
Worksheet 1	September 19th (A Friday)	5
Unit Test I	**September 23rd**	**15**
In-Class Primate Lab	October 9th	(for participation & Worksheet 2)
Worksheet 2	October 17th (A Friday)	5
Unit Test II	**October 21st**	**15**
Essay	October 31st (A Friday)	10
In-Class Fossil Lab I	November 11th	(for participation & Worksheet 3)
In-Class Fossil Lab II	December 2nd	(for participation & Worksheet 3)
Worksheet 3	December 3rd (Wednesday)	5
Final Exam	**Tuesday, December 9th 11 am – 1:30 pm**	**25**

REQUIREMENTS & EXPECTATIONS

You (or your family) have paid for you to take this course, and *you* are responsible getting something out of it and earning a good grade. To do well in this (or any UTA course) you should definitely do the following:

1. Be awake, alert, and taking notes in all classes. If I'm talking, you should probably be writing.
2. Ask questions and **be ready to talk** about the course material in class.
3. Do all the reading **in advance** of the day I discuss it. (There's a schedule at the bottom of the syllabus to help you plan for this.)

Grading:

Grades for assignments and tests are posted to Blackboard as soon as possible. It is your responsibility to track your progress and determine that grades have been entered correctly to Blackboard. If you find a discrepancy, contact me immediately.

Your total course grade will be determined based on the following scale.

90% and greater	A
80% to 89%	B
70% to 79%	C
60% to 69%	D
Less than 60%	F

* A .5% is rounded to next higher grade.

You will be graded on multiple assignments and tests. These can be broken down into the categories detailed below. The value of each grade category is given as a percentage of the total grade. In addition to providing grades for individual assignments, I provide (via Blackboard) a summary grade for each of these categories. You can use these summaries to figure out how you are doing.

Grade percentages can be broken down as follows:

- **Attendance (5% of total grade):** Students are expected to be present on time and awake at all class meetings, and prepared to discuss all assigned readings. If late, students will be counted as absent. If absent, students will still be responsible for any assignments due, and *will not* be able to make-up any in-class exercises. Students are allowed ***3 absences*** during the semester without grade penalty, and do not need to provide any documentation to explain these absences. Any absences beyond these – ***even for very good, excusable reasons*** – will result in a lowered grade.
  The point is - **save these three absences for real emergencies!**

- **In-class contributions (10% of total grade):** This is based on both your contributions to discussion and any in-class exercises I assign (I assign these often, so try not to miss class). **There are no make-ups for in-class assignments – the point is to be active in class.** Please note that although I cannot record every contribution to the day's discussion, if your frequent contributions make a lasting positive impression over the semester, you may earn additional credit at the end of the course. Absence, lateness, or a failure to read text assignments prior to class will result in a lowered participation grade.

- **Pop Quizzes (5% of total grade):** These will cover material from the Stanford *et al.* text and lecture. 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.

- **Essay (10% of total grade)**: Students will address assigned questions related to their choice of **+1** text (see above) in a short essay (900 - 1500 words in length). The essay question will be provided near the beginning of the semester.

- **Worksheets (3 worth 5% each = 15% of total grade):** The worksheets reinforce concepts taken directly from the Stanford *et al.* textbook, in-class labs, and lecture. They are generally good preparation for the tests. These will be on blackboard.

- **Unit Tests (2 worth 15% each = 30% of total grade):** These two tests cover material from lecture and the Stanford *et al.* text. They are not cumulative. They will be taken on Blackboard in the computer lab (COBA Room 349).

- **Final Exam (25% of total grade):** The final exam will be cumulative, but with a heavy emphasis on the latter part of the semester.

How to use these categories to determine your grade:

The following is an example of how a **hypothetical grade distribution** would result in a final grade:

Example Grade Distribution:

	Column A: Student's Earned Grade	Column B: Contribution to Overall Grade	Multiply Column A by B
Attendance	90%	5%	4.5%
In-Class	80%	10%	8.0%
Pop-Quiz	80%	5%	4.0%
Essay	95%	10%	9.5%
Worksheet 1	100%	5%	5.0%
Worksheet 2	100%	5%	5.0%
Worksheet 3	100%	5%	5.0%
Unit Test 1	80%	15%	12.0%
Unit Test 2	80%	15%	12.0%
Final	80%	25%	20.0%
			Sum of the above values = 85.0%
			Course Grade = B

ONE MORE REQUIREMENT -- Due September 2nd --

- **<u>On-line Plagiarism Tutorial</u>:**
  <u>You must complete the tutorial to get credit for all required worksheets and the essay</u>. I will not begin to grade these assignments until you have passed this quiz, and your assignment will incur late penalties as a result. Failure to complete this could result in ***<u>complete loss of credit for the worksheets and/or essay</u>***.

~ALSO~

If you violate the standards of academic integrity described on the Office of Student Conduct site, and in the tutorial, ***<u>you will fail the course</u>***. Be sure to read through the tutorial carefully!



- Go to the web site of the Office of Student Conduct:
- (http://www.uta.edu/conduct/academic-integrity/index.php)
- Review the UTA policies on Academic Integrity.
- Click on the link to the Plagiarism Tutorial.

<u>You must pass this with a score of 100%</u>
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 may take the tutorial as many times as you require to achieve 100% accuracy.

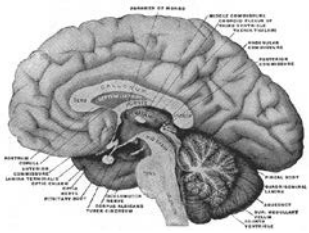
Please enter your first and last name when prompted by the test.

At the conclusion of a successful test, ***<u>you must have the test email your results to me</u>*** – I will not give you credit unless ***<u>I receive the email from the test</u>***. I generally send out an email acknowledging receipt. If you don't get this within 3 days, check in with me.

COURSE POLICIES

(including the policies of the Vice Provost for Academic Affairs):

1. ACADEMIC INTEGRITY POLICY:



Make sure all your work is the product of *YOUR BRAIN*!

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 for the class** together with either **suspension or expulsion** from the University of Texas. Also, academic misconduct **will be reported** to the Office of Student Conduct.

I am not kidding and I have no tolerance for even "small" amounts of cheating or plagiarism. To avoid doing this "accidentally," ***never cut and paste from anything you didn't write***.

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.*

2. LATE WORK POLICY:

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

3. MAKE-UP TEST POLICY:

-- There are no make-up tests! --

-- (or pop quizzes) --

If a serious illness, emergency situation, jury duty, or military service obligation arises that prevents you from attending one of the three tests (Unit Test 1 or 2, 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 Unit Test:	Other unit test = 20%, Final = 35%
Missed Final Exam:	Unit tests = 25% each, Pop quizzes = 10%

Warning!!

If you miss *two* tests for *any reason*, **you will not receive any credit for either test and the above redistribution will not be applied**.
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.

4. ATTENDANCE POLICY:

Be there on time! Yes – I take attendance.

Attendance *and punctuality* are required (see Attendance & Participation grades 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.

The Provost's Office would like me to add: "At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance."

5. ELECTRONIC COMMUNICATION POLICY:

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

Sometimes I may hint at upcoming pop-quizzes. If you miss the email, you will definitely be at a disadvantage.

A note from the Provost on communication:

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.

6. BLACKBOARD POLICY:

I use Blackboard A LOT for this course. **Check it often** for assignments, instructions, announcements, and to monitor your progress.

7. CLASSROOM ELECTRONIC DEVICE POLICY:



No laptops, tablets, or cell phones may be used during class – *unless* you have a special waiver from the Office for Students with Disabilities. (I suggest you set your cell phone to silent, but I will forgive the occasional accidental ringing.)

8. TITLE IX POLICY:

As stated by the Provost's Office:
"The University of Texas at Arlington is committed to upholding U.S. Federal Law "Title IX" such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX."

9. DROP POLICY:

The last day to drop a class is October 29th, by 4 pm.

The Provost's Office states:
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 27th). 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. 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://wweb.uta.edu/aao/fao/).

10. AMERICANS WITH DISABILITIES ACT POLICY:

Contact me early in the semester.
All tests taken in the ARC need to be scheduled well in advance.

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 as stated by the Provost 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.

11. STUDENT FEEDBACK SURVEY

Please fill out the feedback survey!!

The Provost adds: "At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit http://www.uta.edu/sfs."

12. FINAL REVIEW WEEK POLICY

As stated by the Provost's Office:
A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

13. EMERGENCY EXIT PROCEDURES:

Know your exit routes!

The nearest exits are just to the east of our room. To reach these, exit the room by either door, turn left, then turn either left or right, continue up the short set of steps, and through glass doors to the outside. Note that there are additional exits if this route is too crowded. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

COURSE SUPPORT SERVICES
(Get Help – Get a better grade!)

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 www.uta.edu/SI

PRIVATE TUTORING

The University provides a private tutoring service for this course at a rate of $6.50 per hour. To sign up for tutoring first go to the University Tutorial Office (205 Ransom Hall) and request a login ID. After this you may schedule tutoring sessions on-line.

WRITING SUPPORT:

Having trouble with that essay? **Get help!**



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.

CLASS SCHEDULE: WHAT TO DO AND WHEN TO DO IT

(Subject to revision)

Readings should be **completed** by the beginning of class on the date given in the schedule.
Pop quizzes and in-class assignments may happen on any day,
and will relate to the reading required for that day.

Week 1:

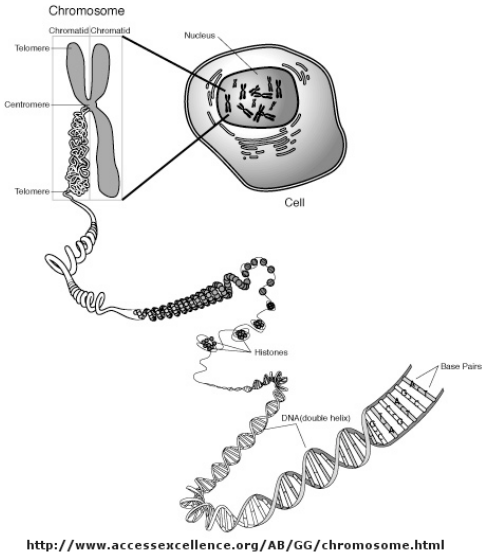
August 21st:

Introduction to Biological Anthropology and Evolutionary Concepts
Reading: Stanford et al., Introduction and Chapter 1

Week 2:

August 26th: DNA and the cell
Reading: Stanford et al., Ch. 2

August 28th: DNA and the cell



http://www.accessexcellence.org/AB/GG/chromosome.html

Week 3:

September 2nd: Genetic inheritance and expression
Reading: Stanford et al., Ch. 3
******* Plagiarism Tutorial Due *******

September 4th: Genetic inheritance and expression

Week 4:

September 9th: Population genetics and evolution
Reading: Stanford et al., Ch. 4 and Appendix C

September 11th: Population genetics and evolution

Week 5:

September 16th: Human variation and adaptation
Reading: Stanford et al., Ch. 5

September 18th: Human variation and adaptation
September 19th (*Friday*): *** Worksheet 1 due by end of day *******

Week 6:

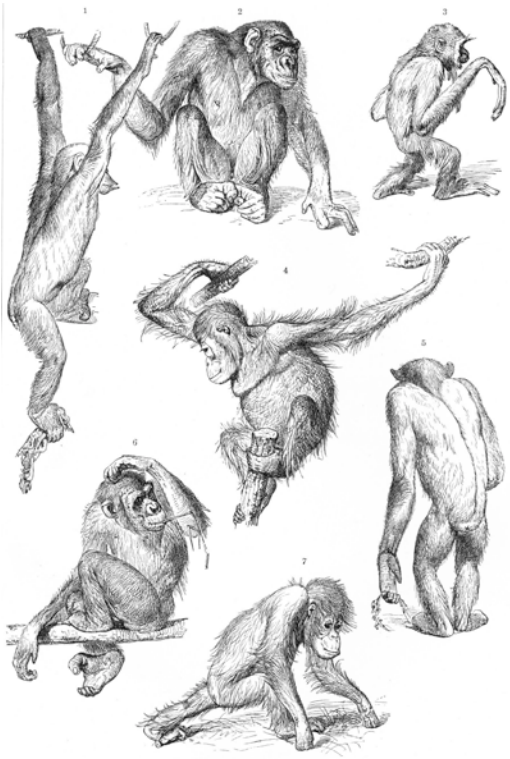
September 23rd: Unit Test 1 in COBA room 349 (computer lab in Business bldg.)

September 25th: Introduction to the Primates
Reading: Stanford et al., Ch. 6

Week 7:

September 30th: Primates continued

October 2nd: 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 8:

October 7th: Primate Anatomy continued

October 9th: In-Class Primate Lab

Week 9:

October 14th: Primate Behavior and communication
Reading:
Stanford et al., Ch. 7, pp. 298-303 & pp. 459 – 471
(Section heading: "Language: Biology and Evolution")

October 16th: Primate Behavior and communication

October 17th (*Friday*): *** Worksheet 2 due by end of day *****

Week 10:

October 21st: Unit Test 2 in COBA room 349 (computer lab in Business bldg.)

October 23rd: Geologic Time and the Fossil Record
Reading: Stanford et al., Ch. 8

Week 11:

October 28th: The fossil record and Primate Evolution
Reading: Stanford et al., Ch. 9

October 30th: Bipedalism
Reading: Stanford et al., pp. 286-297

October 31st: (Friday) *** Essay due*****

Week 12:

November 4th: Earliest Hominins
Reading: Stanford et al., Ch. 11

November 6th: Emergence of the genus Homo
Reading: Stanford et al., Ch. 12

Week 13:

November 11th: In-Class Fossil Lab I

November 13th: *Homo erectus* & Archaic *Homo sapiens*
Reading: Stanford et al., Ch. 13

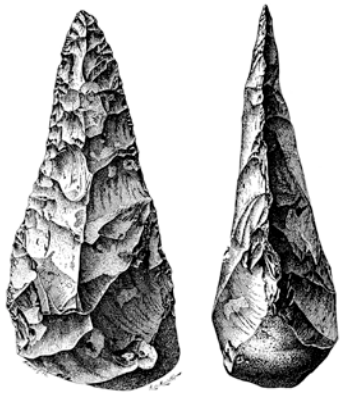
Week 14:

November 18th: Neanderthals

November 20th: Emergence of Modern Humans
Reading: Stanford et al., Ch. 14

Week 15:

November 25th: The Evolution of human behavior
Reading: Stanford et al., Ch. 17



November 27th: Thanksgiving Holidays - no class

Week 16:

December 2nd: In-Class Fossil Lab II

December 3rd (*Wednesday*): *** Worksheet 3 due by end of class ---/ *****

December 9th: Final Exam --- 11 am - 1:30 pm