



**School of Arts & Science**  
**SOCIAL SCIENCES DEPARTMENT**  
**ANTH 260-001**  
**Human Evolution and Diversity**  
**Fall 2010**

## COURSE OUTLINE

### 1. Instructor Information

(a)	Instructor:	Brenda Clark, M.A.		
(b)	Office Hours:	Wed 2:30-3:30; Thurs. 3:00-4:30 or by appointment		
(c)	Location:	Young 212A		
(d)	Phone:	370-3375		
(e)	Email:	clark@camosun.bc.ca		
(f)	Website:	<a href="http://www.clark.disted.camosun.bc.ca/">http://www.clark.disted.camosun.bc.ca/</a>		

### 2. Intended Learning Outcomes

Upon completion of this course the student will be able to:

1. Discuss the evidence and theories for the origin and evolution of the human species.
2. Identify and explain the forces of evolution as applied to human evolution.
3. Explain and analyze the relationship between human biology and culture.
4. Explain why humans belong to the primate order.
5. Explain human biological diversity from the perspective of adaptation.
6. Critically evaluate, from an anthropological perspective, such issues as: the AIDS pandemic, the origin of “diseases of civilization”, “race”, evidence for human origins and evolution.
7. Perform basic human body measurements.
8. Identify basic differences between human and non-human skeletons.
9. Establish a basic biological profile from skeletal remains: age and sex.
10. Solve simple problems in practical genetics: inheritance and pedigree analysis.
11. Recognize the normal human karyotype (chromosome characteristics).
12. Explain why the human species cannot be divided into biological races and that the concept of race is a cultural construct.
13. Apply physical anthropology in addressing problems of the modern world: racism, human health and disease, species extinction.

### 3. Required Materials

- (a) Texts: Stanford, Craig et al. 2009. *Biological Anthropology* (Canadian Edition). Toronto: Pearson Prentice Hall.
- (b) Other: *Lab Manual for Anth 260 Human Evolution and Diversity* available in the Camosun College Bookstore.

(c) On-line articles:

Hance, Jeremy (Feb. 18, 2010). "Humans push half of the world's primates toward extinction, lemurs in particular trouble." Mongabay.com.

[http://news.mongabay.com/2010/0218-hance\\_primates.html](http://news.mongabay.com/2010/0218-hance_primates.html)

Harmon, Amy. 2010. "Informed Consent and the Ethics of DNA Research". *The New York Times*, April 23, 2010.

<http://www.nytimes.com/2010/04/25/weekinreview/25harmon.html>

Moseman, Andrew. (Feb. 11, 2010). "Cloning Neanderthals: Not a Pipedream". *CBS News Online*.

<http://www.cbsnews.com/stories/2010/02/12/tech/main6201715.shtml>

#### 4. Basis of Student Assessment

(a) **Exams:** there will be 2 exams equally weighted for a total of 60% of your final grade.

Exam 1: written in class, see course outline for date

Exam 2: written during the College's formal exam period.

*Please note: students must be available during the College's formal exam period at the end of term. Do not leave town before confirming your exam dates.*

(b) **Labs:** The laboratory part of Anthropology 260 is worth 30% of your final grade to be calculated as follows:

- 10 labs marked out of 10 points each (each lab is worth 1.5 marks of your total class mark)
- 2 lab quizzes worth 7.5 marks each of your total class mark

**LAB ATTENDANCE IS MANDATORY.** You will be allowed to make up a missed lab with a reasonable excuse. Reasonable excuses do not include: vacations, long weekends, work schedules, poor planning or poor time management on your part. There will be 2 set periods only for make-up labs and extra study for quizzes: days and times to be announced.

Both lecture exams and the lab quizzes must be attempted and passed to successfully complete Anthropology 260. Examinations and quizzes must be written during the scheduled times. In the case of illness, a medical note is required in order to write a make-up exam or quiz. If a student fails to come for a make-up at the scheduled time, the exam will not be further rescheduled unless a medical certificate is presented to the instructor. Unavailability of texts and pressure of other work does not constitute a reason for missing exams or quizzes.

(c) **Assignment:** There is one assignment for this course worth 10% of your final grade. Using two of the following research topics, you will provide an annotated bibliography of three reliable and recent (the last 10 years) sources for each topic from peer reviewed journals or books (not encyclopedias). In addition, up to two of your sources may be from reputable science magazines, e.g. Discovery, Scientific American, National Geographic. Wikipedia does not count as a reliable source.

The instructor will assign the topics to you in the following way. You will be asked to submit your top 4 choices and if possible you will be given at least one of those topics you have selected. Since only 5 students will be allowed to use each topic, some of you may be assigned one topic that you have not chosen.

For assistance on writing annotated bibliographies, check out this website: [http://www.library.mun.ca/guides/howto/annotated\\_bibl.php](http://www.library.mun.ca/guides/howto/annotated_bibl.php). Use the APA citation format. Your library assignment in Week 3 will help prepare you for this assignment.

Due date: October 19

**Topics:**

Chimpanzee hunting  
Neanderthal extinction  
The use of stable isotopes in biological anthropology  
Cultural cranial modification  
*Australopithecus sebida*  
Explaining *Homo floresiensis* brain size  
Ethics in studying human skeletal remains  
Lactose intolerance in human populations  
Evolution of human language  
Gorilla extinction

**5. Grading System**  
**Standard Grading System (GPA)**

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

**Temporary Grades**

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at [camosun.ca](http://camosun.ca) for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (For these courses a final grade will be assigned to either the 3 <sup>rd</sup> course attempt or at the point of course completion.)
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

**6. Recommended Materials or Services to Assist Students to Succeed Throughout the Course**

**LEARNING SUPPORT AND SERVICES FOR STUDENTS**

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services or the College web site at [camosun.ca](http://camosun.ca).

**STUDENT CONDUCT POLICY**

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.

## 7. Class sequence

WEEK	Lecture and Readings Tuesday	Lab Schedule Thursday
1 Sept 6-10	Class registration and course outline	No lab
2 Sept 13-17	The Anthropological Perspective and Evolutionary Thinking <u>Readings:</u> Ch. 1 & 2	Human Osteology
3 Sept 20-24	The Primates <u>Readings:</u> Ch 5 pp83-87; Ch 7	Human Osteology
4 Sept 27- Oct 1	Heredity: Individuals and Families <u>Readings:</u> Ch 3 and Ch 4 to p 71; and Harmon and Moseman articles <u>Issue:</u> Informed Consent and Ethics of DNA Research	LIBRARY LAB – ON TUESDAY, TUESDAY, HEREDITY LECTURE ON THURS.
5 Oct 4-8	Human Variation and Adaptation <u>Readings:</u> Ch 6 <u>Issue:</u> Adaptation in today's world	Sex and Age from the Skeleton
6 Oct 11-15	Forces of evolution and formation of species <u>Readings:</u> Ch 5	Palaeopathology
7 Oct 18-22	Primatology: comparative social behavior <u>Readings:</u> Ch 8 and Hance article <u>Film:</u> <i>New Chimpanzees</i> <u>Issue:</u> applied anthropology and endangered primates	<b>LAB QUIZ 1</b>
8 Oct 25-29	<b>EXAM 1</b>	Comparative Primate Anatomy
9 Nov 1-5	Palaeoanthropology, Primate Evolution and Early Human Evolution <u>Readings:</u> Ch. 10, 11, 12 and Stanford article	Primate Classification and Behaviour
10 Nov 8-12	Early Human Evolution continued  Neanderthals and Modern Humans <u>Readings:</u> Ch. 13 <u>Film:</u> <i>The Human Spark: Becoming Us</i>	<b>REMEMBRANCE DAY</b>
11 Nov 15-19	Neanderthals and Modern Humans continued <u>Readings:</u> Ch. 14 and 15 <u>Issue:</u> Neanderthal Extinction	Human Evolution 1
12 Nov 22-26	Human Growth and Development Reading: Ch. 16 pp 367-376 <u>Issue:</u> Human height	Human Evolution 2
13 Nov 29- Dec 3	Human Skeletal Biology <u>Readings:</u> Ch 18	Modern Human Variation
14 Dec 6-10	Biomedical Anthropology	<b>LAB QUIZ 2</b>

