

ANT 3514

Spring 2012

Introduction to Biological Anthropology

LECTURES: Tuesdays period 7, Thursdays periods 7-8 in TUR L007

LABORATORIES:

- Section 0316 Wednesday period 8 in TUR B304
- Section 0319 Tuesday period 3 in TUR B304
- Section 0322 Tuesday period 4 in TUR B304
- Section 0327 Wednesday period 7 in TUR B304
- Section 0328 Thursday period 5 in TUR B304
- Section 3790 Wednesday period 5 in TUR B304
- Section 3800 Thursday period 4 in TUR B304
- Section 3929 Thursday period 3 in TUR B304
- Section 6269 Wednesday period 6 in TUR B304

INSTRUCTOR: David Daegling
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392-2253 x245
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Office Hours: Tuesdays 9:30 – 11:30 AM
Wednesdays 2:00 – 3:00 PM

TEACHING ASSISTANTS:

Katharine Kolpan <kkolpan@ufl.edu>: sections 0316, 0327, 6929
Paul Morse <paul.morse@ufl.edu>: sections 0320, 3800, 3929
Benjamin Valentine <peculiar@ufl.edu>: sections 0319, 0322, 3790

REQUIRED MATERIALS: Stanford, C., Allen, J.S., Anton, S.C. (2009) *Biological Anthropology* (3rd edition), Upper Saddle River, NJ: Pearson Prentice Hall. This text is available at Orange and Blue Textbooks, 309 NW 13th St., 375-2707.

WEBSITE: This course is administered through e-learning in Sakai (<http://lss.at.ufl.edu/>). The syllabus, lab worksheets, supplemental materials, quizzes and your grades are all accessed here.

COURSE OBJECTIVES: Anthropology is the holistic study of the human condition. Biological anthropology is a subfield of the larger discipline that studies humankind as a zoological species. As biological anthropology is firmly rooted in evolutionary theory, the evolutionary biology of humans is the central focus of the course. Basic concepts of genetics, geology, paleontology, comparative anatomy, primate biology and material culture provide the foundation for understanding humanity's place in nature. ANT 3514 is a four credit course, which satisfies the biological science and laboratory requirements for General Education, and satisfies partially the general distribution requirement for Liberal Arts and Sciences. This course is required of all Anthropology majors.

COURSE REQUIREMENTS: Three in-class exams (60% of course grade), Laboratory (30%, includes attendance, assignments and quizzes), online quizzes (10%). Your final grade is determined by your percentage of total score on laboratory work, examinations, and quizzes. Grades will be assigned as follows without exception (numbers indicated are percentages):

A =	92.5 – 100	B- =	80.0 – 82.5	D+ =	66.5 – 70.0
A- =	90.0 – 92.5	C+ =	76.5 – 80.0	D =	62.5 – 66.5
B+ =	86.5 – 90.0	C =	72.5 – 76.5	D- =	60.0 – 62.5
B =	82.5 – 86.5	C- =	70.0 – 72.5	E <	60.0

There are no opportunities for making up missed assignments or exams except for reasons of medical or family emergency (documentation is required). Such work missed may be made up by arrangement with the TA for your section. Exams may not be retaken.

OTHER POLICIES: Cell phones and other mobile devices must be turned off during class. Attendance in laboratory sections is mandatory and you must attend the section for which you are registered to receive credit. Neither the instructor nor teaching assistants will distribute lecture notes outside of class. Video recording of lectures in any form is not permitted; audio recording is allowed with permission of the instructor. Academic dishonesty in any form will not be tolerated and is subject to university policy (University of Florida Rules - 6C1-4 Student Affairs), which includes provisions for expulsion from the university. Students requesting classroom accommodation must first register with the Dean of Students Office (DSO). The DSO will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. Students experiencing personal problems that are interfering with their academic performance are encouraged to contact the University Counseling Center (301 Peabody Hall, 392-1575), Student Mental Health (Student Health Care Center, 392-1171), or Sexual Assault Recovery Services (Student Health Care Center, 392-1161).

Laboratory Schedule

Week of:	Topic
1/9	NO LAB
1/16	Orientation; Natural Selection
1/23	Mendelian Genetics
1/30	Evolutionary Forces
2/6	Human Skeleton
2/13	Comparative Primate Anatomy
2/20	Primate Behavior
2/27	Practical Exam
3/5	NO LAB
3/12	Primate Evolution
3/19	Miocene Hominoids
3/26	<i>Australopithecus</i> and Early <i>Homo</i>
4/2	Transitional Hominins
4/9	Human Variation and Modern Humans
4/16	Practical Exam
4/23	NO LAB

Lecture and Exam Schedule

<u>Date</u>	<u>Topic</u>	<u>Reading</u>	
		Text (chapter: pages)	
January	10	What is biological anthropology?	Introduction: 1-13
	12	Humanity, science and origins	1: 13-16; 31-34
	17	The world before Darwin	1: 16-21
	19	Evolutionary theory	1: 21-31
	24	Mechanisms of inheritance	2: 36-65
	26	Heredity and the modern synthesis	3: 67-91
	31	Forces of evolution (QUIZ this week)	4: 93-101
February	2	The tree of life	4: 101-115
	7	The question of race	5: 117-126
	9	Human adaptations	5: 127-153
	14	EXAM 1	
	16	The primates	6: 155-195
	21	Primate behavior	7: 197-220
	23	Interpreting fossils	8: 222-253
March	28	Primate origins	9: 255-271
	1	Planet of the apes	9: 271-284
	6	NO CLASS	
	8	NO CLASS	
	13	Bipedality (QUIZ this week)	10: 286-297
	15	Dawn of humanity	10: 298-305; 11: 307-315
	20	<i>Australopithecus</i> and kin	11: 315-339
22	earliest <i>Homo</i>	12: 341-348	
April	27	EXAM 2	
	29	<i>Homo erectus</i>	12: 348-377
	3	Neanderthals and archaics	13: 379-415
	5	Anatomically modern humans	14: 417-445
	10	Brain and language (QUIZ this week)	15: 447-472
	12	Health and disease	16: 474-500
	17	Evolution of behavior	17: 502-527
19	Forensic Anthropology	18: 529-560	
24	EXAM 3		