

ASM 104: Bones, Stones and Human Evolution

MW 11:00-12:50pm & F 11:00-11:50am, Fall 2009

HU101 Glendale Community College (#15422)



Instructor: Dr. Laura Bidner
office hours: Friday 12:00 – 1:00pm, or by appointment
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Textbook: *Essentials of Physical Anthropology 7th edition* 2009. Jurmain R, Kilgore L, and Trevathan W. Wadsworth Publishing, Belmont, CA.

Course Description: This course will introduce you to the major concepts within the field of physical anthropology through lectures, discussions, reading assignments and hands-on laboratory activities. The subject matter covered in this course is divided into the following three broad categories, I. The Basics of Evolution, II. Living Primates, and III. The Human Fossil Record.

Grades: Your grade in this course will be derived based on exam scores and lab assignments as follows:

LAB GRADE	25%
EXAM 1 (9/21)	25%
EXAM 2 (11/2)	25%
FINAL EXAM (12/14)	25%

Labs: The labs for this course will be held every Wednesday. You are required to complete an assignment for each lab which will be due at the end of lab. Lab assignment worksheets will be posted on Blackboard prior to lab and must be printed out and brought to lab. The scores on these lab assignments will be averaged* to determine your total lab grade. * Your lowest lab assignment score will be dropped prior to averaging.

Exams: The three exams in this class are not cumulative. The dates of each are provided above. Exams will include multiple choice, matching, true/false and short answer questions. Late make-up exams are only permitted for medical reasons. If you **MUST** miss an exam for any planned reason, you may do so only if you arrange well in advance to take the exam BEFORE its scheduled date.

Attendance: Attendance in both lecture and lab are required. Students who miss a lab section will receive a "0" score on the lab assignment for that date. Class absences will be recorded and excessive absences (≥ 4 before the 45th day or ≥ 6 overall) may be cause for withdrawal. Please see me if your attendance falters to avoid being dropped from class.

Other important statements and policies: Please refer to page 3 of this syllabus for statements on disability services, academic misconduct, and other course policies.

ALL CELL PHONES MUST BE TURNED ON "SILENT" OR "VIBRATE" DURING CLASS AND LAB

FALL 2009 ASM 104 COURSE SYLLABUS

COURSE SCHEDULE & READING ASSIGNMENTS

Date	Lecture Topic	Lab	Readings
8/24/2009	Course Intro		Ch 1
8/26/2009		SPATIAL & TEMPORAL SCALES	
	I. Basics of Evolution		
8/28/2009	History of Evolutionary Thought		Ch 2
8/31/2009	Mendelian Inheritance & DNA		Ch 3 & 4 (p57-67)
9/2/2009		MENDELIAN INERITANCE/DNA	
9/4/2009	Modern Genetics		
9/7/2009	Evolutionary Mechanisms & Systematics		Ch 4 (p68-76) & 5 (p79-89)
9/9/2009		EVOLUTIONARY MECHANISMS	
9/11/2009	Speciation		
9/14/2009	Primate Origins & Fossil Record		Ch 5 (p90-96), 6 (p99-103), & Ch 8 (p158-162)
9/16/2009		PRIMATE PHYLOGENY	
	II. Living Primates		
9/18/2009	Primate Diversity		Ch 6 (p104-130)
9/21/2009	Exam I		
9/23/2009		Primate Community Activity	
9/25/2009	Primate Ecology		
9/28/2009	Primate Behavioral Ecology		Ch 7 (p132-145)
9/30/2009		PRIMATE ECOLOGY	
10/2/2009	Primate Field Work		
10/5/2009	Primate Social Behavior		Ch 8 (p146-156)
10/7/2009		PRIMATE BEHAVIOR	
10/9/2009	Primate Anatomy		
10/12/2009	Osteology		Appendix A (p 333-340)
10/14/2009		OSTEOLOGY	
	II. Human Fossil Record		
10/16/2009	Intro to Paleoanthropology		Ch 8 (p171-174)
10/19/2009	Geology and Taphonomy		
10/21/2009		GEOLOGY & TAPHONOMY	
10/23/2009	Bipedal Anatomy		Ch 8 (p164-169)
10/26/2009	Early Hominins & Bipedal Anatomy cont.		Ch 8 (p174-179)
10/28/2009		BIPEDAL ANATOMY	
10/30/2009	Paleoecology		
11/2/2009	Exam 2		
11/4/2009		Paleo. Fieldwork Presentation	
11/6/2009	Australopithecine Radiation		Ch 8 (p179-186)
11/9/2009	Australopithecines & Paranthropines		
11/11/2009		EARLY HOMININS	
11/13/2009	Emergence of the Genus <i>Homo</i>		Ch 8 (p187-193)
11/16/2009	Intro to <i>H. Erectus</i>		Ch 9 (p195-202)
11/18/2009		EARLY <i>HOMO</i>	
11/20/2009	Global expansion of <i>H. erectus</i>		Ch 9 (p202-215)
11/23/2009	<i>H. heidelbergensis</i> & tool technologies		Ch10 (p217-227)
11/25/2009		<i>H. floresiensis</i> Presentation	
11/27/2009	Thanksgiving Break		
11/30/2009	<i>H. neanderthalensis</i>		Ch 10 (p227-243)
12/2/2009		LATE <i>HOMO</i>	
12/4/2009	Modern Human Origins (MHO)		Ch 11 (p245-261)
12/7/2009	MHO continued & creative revolution		Ch 11 (p261-268), 12 (p270-290)
12/9/2009		HUMAN VARIATION & TOOLS	
12/11/2009	Human cooperation & complex societies		Ch 13 & 14
12/14/2009	Final Exam (11am-12:50pm)		

Important Statements and Class Policies

Disabilities: Please let me know as soon as possible if you have any special needs so that we can work together to make sure your needs are addressed and met while you are participating in this course. Further information about disabilities services at GCC can be accessed by calling (623) 845-3080 or online at <http://www.gccaz.edu/CurrentStudents/StudentSupport/Disabilities.htm>.

Academic Misconduct: Cheating and plagiarism are not tolerated by GCC and should not occur in this classroom or be used while completing assignments for this course. Cheating is using unapproved sources (i.e. other students' work, cheat sheets, old exams) to determine answers while taking exams or quizzes. Plagiarism is passing off another's work as your own on any assignments (including labs!). If you cheat or plagiarize, *you will receive a failing grade on the exam or assignment and may fail the course*. More details on GCC's policy on academic misconduct can be found online in section AR.2.3.11 of the student handbook at http://www.gc.maricopa.edu/catalog/student_rights.html#acadmisconduct.

Other Policies:

Taping: You may audiotape lectures provided you check with me before you begin taping.

Cell phones: -Cell phones must be on silent or vibrate throughout lab & lecture.

-Emergency calls OR TEXTS may be answered outside of the classroom only.

-Cell phone use is not allowed during exam periods - this will be considered cheating.

Class/lab conduct: Students are expected to treat the instructor, their fellow students, and all classroom and lab facilities/materials with respect at all times.

Extra Credit: Options for an extra credit assignment will be posted on Blackboard after the first exam.

Course content may vary slightly from that found in this syllabus based on the needs of the class.

Remaining enrolled in this course indicates that you have read and accepted the conditions and policies listed in this syllabus.

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