

**ANTHROPOLOGY 360 – BIOLOGICAL ANTHROPOLOGY METHOD & THEORY**  
**Southern Illinois University Edwardsville - Department of Anthropology**  
**Fall 2010**

**Dr. Jennifer Rehg**

360a Monday & Wednesday 11:00 to 12:15 PH 0405

360b:001 Friday 11:00 to 11:50 PH 0403

360b:002 Friday 12:00 to 12:50 PH 0403

Office: Peck Hall 0402

Office hours: Monday & Wednesday 12:30-2:00 or by appointment

Office phone: (618) 650-3843

email: [jrehg@siue.edu](mailto:jrehg@siue.edu)

**COURSE DESCRIPTION:**

Biological anthropology is the subfield of anthropology that studies humans from a biological perspective. The research topics addressed in this subfield include patterns and causes of human variation, the origins and evolution of humans, and the study of nonhuman primates as comparative models for understanding human adaptations and behavior. This course focuses on the theories and methods applied in this subfield, and consists of a lecture course (360a) worth 3 credits, and a lab section (360b) worth 1 credit, that must be taken concurrently. Students will learn the main components of evolutionary theory, and the importance of nonhuman primates, fossil evidence, and human remains in understanding patterns of evolution and adaptation in past and present populations. The lab section will involve hands-on study of the human skeleton, hominid casts, and nonhuman primate specimens.

Course prerequisite: Anthropology 111a—Human Adaptations and Ancestry.

**GOALS & EXPECTATIONS:**

**ACADEMIC INTEGRITY:**

Cheating is not a victimless act—most of all it hurts the students who are earning their achievements honestly. Cheating includes all forms of plagiarism, submitting work that is not entirely your own and original, incorrect citations of others' works, fabrication of sources of information or observations, and use of materials not explicitly permitted during quizzes and exams. Plagiarism includes either presenting someone else's words without quotation marks (even if you cite the source) or presenting someone else's ideas without citing that source. If you plagiarize, your understanding of the topic or skills cannot be evaluated. Paraphrasing is not simply a rewording of the original source content. University policy states that "Normally a student who plagiarizes shall receive a grade of E [F EFFECTIVE FALL 2001] in the course in which the act occurs. The offense shall also be reported to the Provost."

(<http://www.siue.edu/policies/1i6.shtml>).

**Students are individually responsible for understanding what constitutes cheating and forms of plagiarism. Cheating and plagiarism (intentional or unintentional) will minimally result in a failing grade for the assignment. It may also result in failing the course and additional consequences, which can include suspension or expulsion from the university. For a full explanation see the Student Academic Code (<http://www.siue.edu/policies/3c2.shtml>).**

**OFFICE HOURS:**

I have office hours to help you. If you cannot make my office hours, I am happy to schedule appointments at other times. I check email frequently, but do not assume I have read your email until you have received a response from me. For emergencies, telephone my office and leave a voice-mail message if I am unavailable.

**BLACKBOARD:**

Blackboard is an internet-based program, accessible from the SIUE homepage (<http://blackboard.siue.edu/>). Only enrolled students can access Blackboard for this course and section. You can login to Blackboard using your e-id and e-

password. Blackboard will be used for 1) posting copies of important course-related documents; 2) providing links to relevant web sites; and 3) maintaining updated information on your individual grades. I do not post class notes on Blackboard. Blackboard is offered as a convenience, and is not intended to take the place of class attendance.

### **PARTICIPATION:**

Learning is an active experience, and you can't participate if you are not present. If you miss a class, it is up to you to borrow someone's notes--I do not give out notes. Considerate and respectful behavior is expected toward everyone. This includes being punctual, paying attention, not talking to others outside of class discussions, and maintaining respect for others. Students who are disrespectful or who are not engaged in the class (using computers for non-class purposes, texting, use of cell phones, etc.) may be asked to leave. **If you miss more than four or more class periods in succession, you may be dropped from the course.** If you are unable to attend classes for extended periods, please contact me. Participation will account for 5% of your final grade in both 360a and 360b, and you will be evaluated for asking questions and contributing to discussions. You must attend the lab section for which you are enrolled. **You will not be allowed to take the lab quizzes if you come to the wrong section.**

### **SUPPORT SERVICES:**

All students with disabilities will be accommodated through the Disability Support Services Office. Students with disabilities should contact personnel in DSS (650-3726) to make any necessary arrangements for assignments, quizzes, exams, etc. Students are required to present an ID card from DSS when requesting specific arrangements for the class.

### **GRADING:**

There will be a grade for 360a (weighted for 3 credits), and a separate grade for 360b (weighted for 1 credit).

### **ANHROPOLOGY 360a - LECTURE**

#### **COURSE REQUIREMENTS:**

Exams (3 for 85 pts each)	255 points (51%)
Quizzes (10 total)	50 points (10%)
Article Analyses	40 points (8%)
Bibliographic Analysis	65 points (13%)
Problem Sets	65 points (13%)
Participation	25 points (5%)

-----  
TOTAL 500 points

#### **GRADE SCALE:**

A = 90-100%	(450- 500 points)
B = 80-89%	(400 - 449 points)
C = 70-79%	(350 - 399 points)
D = 60-69%	(300 - 349 points)
F = 0-59%	(0 - 299 points)

### **REQUIRED TEXTS:**

Relethford J. 2003. The Human Species: An Introduction to Biological Anthropology, 6<sup>th</sup> ed. McGraw-Hill.

Peregrine PN, Ember CR, and Ember M. 2002. Physical Anthropology: Original Readings in Method and Practice. Prentice Hall.

### **READING ASSIGNMENTS & FILMS:**

You are responsible for all material in assigned readings and films. You should complete each reading before the class it is assigned. Readings not from the text are available via Blackboard. **Reading assignments and films may cover material not presented in class, and this material will be included on exams.**

### **QUIZZES & EXAMS:**

There will be 10 quizzes on the assigned readings, each worth **5 points** for a total of 10% of your course grade.

Quizzes will be given at the beginning of each class on the days they are scheduled. There will be three exams, each worth **17%** of your final grade. If you come to class late, or miss class, on days of quizzes or exams you will not be able to take a make-up without a documented excuse. **Make-ups will not be the same as the original, and will be essay.** Make-up exams and quizzes will be given only when circumstances necessitate an absence, and all effort must be made on your part to contact me as soon as possible, and you are responsible for scheduling the make-up with me.

#### ASSIGNMENTS & PROBLEM SETS:

You will complete summaries and analyses for two scholarly articles, which will be provided to you. These assignments are to prepare you for the bibliographic analysis. The bibliographic analysis will focus on three resources on a single biological anthropology topic. This assignment should allow you to develop your skills at reviewing scholarly resources. There will also be a series of graded problem sets. Written assignments and problem sets will be worth 130 points (**26%** of your grade). **ASSIGNMENTS/PROBLEM SETS WILL BE PENALIZED 25% EACH CALENDAR DAY THEY ARE LATE.**

#### COURSE REQUIREMENTS 360b:

Lab Exams (3 for 80 points each)	240 points (80%)
Lab Manual	45 points (15%)
Lab Activities/Participation	15 points (5%)
-----	
TOTAL	300 points

#### LAB SECTIONS:

Lab sections will typically involve a mini-lecture, and time in which students work on lab exercises or assignments involving skeletal material or other specimens. **You are expected to attend all of the scheduled lab time.** Material used in lab sections includes delicate casts, and human skeletal remains. These should be treated carefully and with respect. Proper handling of specimens will be discussed.

#### LAB EXAMS:

There will be 3 lab exams covering material studied in the lab, and taken during the lab sections. Each exam will be 75 points. Exams will be primarily practical. These exams are timed and will require you to identify and answer questions about individual bones of the human skeleton, or other specimens (**without** books, manuals, aids, etc.).

#### LAB MANUAL:

You will prepare an illustrated lab manual of the human skeleton, with sketches of bones of the human skeleton, drawn free-hand and appropriately labeled. Working on the lab manual is designed to help you study the skeletal material and should be part of weekly labs. The manual is worth 45 points, and will be due at the end of the semester.

#### LAB ACTIVITIES & PARTICIPATION:

There will be exercises or activities during some of the lab classes that will be evaluated. Completing these activities, grades on the exercises, and overall participation in the labs are worth 15 points.

<u>WEEK</u>	<u>DAY</u>	<u>TOPIC</u>	<u>READINGS</u>	<u>ASSIGNS.</u>
1	23-Aug	Introduction		
	25-Aug	History of Biological Anthropology	"The History and Development of Physical Anthropology"; REL 1	Quiz 1
	27-Aug	Lab: Overview of Human Skeleton		
2	30-Aug	Science & the Scientific Method	"Obtaining Scientific Information"	Quiz 2
	1-Sep	Science & Scholarly Resources	"Nonrandom Fitness Variation..."	
	3-Sep	Lab: Overview of Bone		
3	6-Sep	<b>LABOR DAY -- NO CLASSES</b>		
	8-Sep	Evolutionary Theory & Natural Selection	"The Making and Evolution of Complexity"	Quiz 3
	10-Sep	Lab: Data Collection Techniques		
4	13-Sep	Evolutionary Theory & Natural Selection	REL 2	Analysis 1
	15-Sep	Genes & Mendelian Inheritance	"The Everyday Math of Evolution";	Quiz 4
	17-Sep	Lab: Vertebral Column	PE 2	
5	20-Sep	Population Genetics	REL 3	
	22-Sep	Population Genetics	"Pieces of Eight"	Quiz 5
	24-Sep	Lab: Ribs, Sternum, Shoulder		
6	27-Sep	Macroevolution & Speciation		
	29-Sep	<b>EXAM 1</b>		EXAM 1
	1-Oct	Lab: Arm		
7	2-Oct	Phylogeny & Systematics	REL 4	
	6-Oct	Phylogeny & Systematics	"Phylogenetic Trees & Evolutionary Forests"	Quiz 6
	8-Oct	Lab: Wrist & Hand		
8	11-Oct	Phylogeny & Systematics	PE 12	
	13-Oct	Mammals, Primates, Humans	REL 5	
	15-Oct	<b>LAB EXAM 1</b>		LAB EXAM 1
9	18-Oct	<b>LIBRARY VISIT</b>		Analysis 2
	20-Oct	Primates as Comparative Models	PE 7	Quiz 7
	22-Oct	Lab: Pelvic Girdle		

10	25-Oct 27-Oct 29-Oct	Primate Adaptive Systems Primate Behavior Lab: Leg	"Primate Adaptations" PE 5	Topic
11	1-Nov 3-Nov 5-Nov	Primate Behavior <b>EXAM 2</b> Lab: Ankle and Foot		<b>EXAM 2</b>
12	8-Nov 10-Nov  12-Nov	Paleontological Methods Paleontological Methods  <b>LAB EXAM 2</b>	REL 8	<b>LAB EXAM 2</b>
13	15-Nov 17-Nov 19-Nov	Paleontological Methods Human Adaptations & Variation Lab: Skull	"Finding Your Inner Fish" REL 14	<b>Quiz 8 Biblio</b>
14	22-Nov 24-Nov 26-Nov	<b>THANKSGIVING BREAK</b> <b>THANKSGIVING BREAK</b> <b>THANKSGIVING BREAK</b>		
15	29-Nov 1-Dec 3-Dec	Human Adaptations & Variation Human Adaptations & Variation Lab: Teeth	REL 16 "Our Flesh and Blood"	<b>Quiz 9</b>
16	6-Dec 8-Dec  10-Dec	Integrating Methods, Theory, & Ethics Integrating Methods, Theory, & Ethics  <b>LAB EXAM 3</b>	"The Lost Man"	<b>Quiz 10</b>  <b>LAB EXAM 3</b>
17	13-Dec	<b>EXAM 3: MONDAY 10:00-11:40</b>		<b>EXAM 3</b>