

ANT 4192

RESEARCH METHODS IN BIOARCHAEOLOGY

Fall 2009 (revised 9/9)

<u>Time:</u>	MW 11 – 12:20 pm	<u>Instructor:</u>	Dr. Robert McCarthy
<u>Place:</u>	SO 190		Office: SO 173
<u>Format:</u>	Lecture + lab		Phone: 561-297-1355
			E-mail: rmccar10@fau.edu
			Office hours: TTh 12 – 2 pm

Course objectives:

This course will introduce students to the fundamental principles of bioarchaeology, which is the scientific study of human skeletal remains from archaeological sites. This course will be run as a combination lecture/lab, and students will have the opportunity to examine human skeletal remains immediately. It is imperative that you read the required materials prior to each class, as you will be expected to implement what you've read in lab.

Textbooks and readings:

White, T.D., Folkens, P.A. 2005. The Human Bone Manual. Elsevier Academic Press, London.

Larsen, C.S. 1997. Bioarchaeology: Interpreting behavior from the human skeleton. Cambridge University Press, Cambridge.

In addition to reading the textbook, students will be expected to read a few supplemental articles and handouts posted on Blackboard. Please be sure to check Blackboard regularly, as there will be new announcements, articles, handouts, and grades posted each week.

Grading:

Your grade in this course will be based on your scores on three quizzes (10% each), a final paper (60%), and attendance (10%). Letter grades for the course will be assigned according to standard FAU policy; all grades (A, A-, B+, B, B-, C+, C, C-, D+, D, F) are available.

Academic Integrity and Students with Disabilities:

Plagiarism will not be tolerated. Students will be expected to contribute positively to the general learning atmosphere in class; therefore, disruptions of lectures and discussions will result in appropriate disciplinary action. PLEASE TURN OFF YOUR CELL PHONES PRIOR TO CLASS.

In compliance with the Americans with Disabilities Act (ADA), students who, due to a disability, require special accommodations to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in SU 133, (561)297-3880, and follow all OSD procedures.

<p><u>Note:</u> This syllabus is subject to change at any time. Updates may be posted on Blackboard.</p>
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CLASS SCHEDULE

<u>Day</u>	<u>Date</u>	<u>Lecture</u>	<u>Reading</u>	<u>Due</u>
M	8/24	Intro / Let's see what you know	-	
W	8/26	Anatomical terminology	WF ch. 6	
M	8/31	Skull	WF ch. 7	QUIZ #1
W	9/2	Skull II	-	
M	9/7	Labor Day		
W	9/9	Dentition	WF ch. 8	
M	9/14	Hyoid and vertebrae	WF ch. 9	
W	9/16	Thorax	WF ch. 10, 11	
M	9/21	Arm and hand	WF ch. 12, 13	
W	9/23	Pelvis	WF ch. 14	QUIZ #2
M	9/28	Leg and foot	WF ch. 15, 16	
W	9/30	Stress and pathology	WF ch. 17, L ch. 2	IDEA
M	10/5	Infectious pathogens	L ch. 3	
W	10/7	Trauma	L ch. 4	
M	10/12	Bone biology	SR	
W	10/14	Skeletal adaptations to loading	L ch. 6, SR	OUTLINE
M	10/19	Craniofacial biomechanics	SR	
W	10/21	Craniofacial adaptations	L 226-241	
M	10/26	More craniofacial adaptations	SR	QUIZ #3
W	10/28	Dental changes	L 242-269	
M	11/2	Biostatistics 1	SR	
W	11/4	Biostatistics 2	SR	
M	11/9	Ancestry and biodistance	WF 400-403, L ch. 9	
W	11/11	Veteran's Day		
M	11/16	Age estimation	WF 363-384	
W	11/18	Sex estimation	WF 385-397	
M	11/23	Stature estimation	WF 398-399	
W	11/25	Work on projects		
M	11/30	Additional statistics as needed		FIRST DRAFT
W	12/2	Work on projects		
W	12/9			FINAL PAPER