



ANT 4525 - Human Osteology



Class Meeting Time: Tu Periods 6-7, Th Period 6

Classroom Location: Turlington Hall, 1208J (Osteology Laboratory)

Instructor: Laura Van Voorhis

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Office hours: Turlington 1208J (Osteology Laboratory); TBD and by appointment

Course Description:

This course introduces the methods and concepts used in the analysis of human skeletal remains in forensic and archaeological contexts. The skills learned in this course provide a basis for more advanced studies in comparative anatomy, bioarchaeology, forensic anthropology, paleoanthropology, and paleopathology. The course will consist of two hours of lecture per week and independent study laboratory time, during which time students will learn: 1) how to identify whole and fragmentary human skeletal elements, 2) how to distinguish between human and non-human bone, and 3) how to estimate age, sex, ancestry, and stature of an individual.

Success in this course usually requires at least 20 hours per week of independent study time in the laboratory in preparation for the quizzes. Performance on the lab practical quizzes is generally related to the amount and quality of your independent study. Please evaluate your schedule to decide if you can fully commit to this class.

Texts:

Required:

White TD, Black MT, Folkens PA (2011) *Human Osteology*, 3rd ed. Academic Press.

Recommended:

Bass, WM (1995 or 2005) *Human Osteology: A Laboratory and Field Manual*. Missouri Archaeological Society.

Buikstra JE, and Ubelaker D (1994) *Standards for the Data Collection from Human Skeletal Remains*. Fayetteville, AR: Arkansas Archeological Survey.

Additional materials will be posted online (Canvas). The course website contains all pertinent information for the course, including the syllabus, calendar, handouts, and grades.

Course Requirements:

You will be responsible for creating a notebook that will include annotated drawings of skeletal elements (200 points; due at end of course, guidelines posted on Canvas). There will be twelve (12) cumulative practical quizzes (100 points each; lowest grade is dropped), and one (1) cumulative final practical exam (200 points), for a total of 1500 points possible. Quizzes and exams will involve the identification of fragmentary skeletal remains, anatomical features, as well as more detailed short-answer questions. The format for quizzes and the final exam will be discussed the first day of class. Quizzes may not be retaken without **documented** illness or emergency, but the **lowest quiz score will be dropped at the end of the term**. The grade for the final practical exam **cannot** be dropped.

Grading:

Raw scores of all the quizzes (minus the lowest quiz score) will be added to the raw score of the final exam, and then divided by the total points possible (1500 points). No extra credit will be given. Final grades will be distributed according to the following scale:

A	≥ 92.50%	C	72.50% - 76.49%
A-	89.50% – 92.49%	C-	69.50% - 72.49%
B+	86.50% – 89.49%	D+	66.50% - 69.49%
B	82.50% - 86.49	D	62.50% - 66.49%
B-	79.50% - 82.49%	D-	59.50% -62.49%
C+	76.50% - 79.49%	E	≤ 59.49%

Other Policies:

Cell phones, iPods, and all other mobile device must be silenced during class. The use of recording devices is prohibited except with prior Instructor permission.

Students are expected to attend all lectures with assigned readings completed. **No lecture notes or PowerPoint slides will be distributed, under any circumstance.** If a student is unable to attend class, it is **the student's responsibility** to get the notes from a classmate.

Plagiarism or cheating in any form is subject to university policy as outlined by the Dean of Students (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>).

Students requesting classroom accommodation must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. This documentation must be presented to the instructor by the end of the second week of classes, in order for accommodations to be made within a timely manner.

Quizzes and exams missed due to a documented illness or emergency may be rescheduled; however, **72 hours prior notice** must be given to the Instructor, and documentation must be supplied. In the case of unexpected emergencies, the Instructor still must be notified prior to the absence, and the student must provide documentation **within 72 hours**.

The following rules constitute a contract between student and Instructor. Your signature below represents your commitment to upholding this contract, and your understanding that failure to do so will lead to point loss and/or dismissal from the course.

Please print, read and sign this page. Turn it in to the Instructor by the date noted on the schedule. Failure to turn in a signed form will result in loss of Osteology Lab privileges.

Rules for the Osteology Laboratory (Turlington Hall 1208J):

- The room is to remain secure at all times. Access is controlled by a keypad entry lock; students in this course will be granted access (first 6 digits of UF ID, then press the star key). Lock the room if you are the last to leave – even if you only leave briefly. **If the room is found unlocked, the last student to use the keypad will be penalized.**
- Visitors are not allowed in the lab at any time. NO EXCEPTIONS!
- No specimens are to leave 1208J Turlington Hall (Osteology Laboratory).
- Food and drink are prohibited in the laboratory.
- Photography of course materials or skeletal remains is strictly prohibited.
- The teaching laboratory is not a social center. Be respectful of other students' study time.
- Be respectful of all Anthropology Department staff and other Turlington Hall staff.
- Osteology students are restricted to specimens in the plastic boxes on the back wall of the teaching laboratory, and to any additional materials provided by the Instructor.
- Above all, please remember that all skeletal remains, laboratory equipment, and other teaching materials are to be treated with the utmost respect.

Transgression of these rules will lead to point loss and/or dismissal from the class.

I _____ (print name) certify that I have read the above rules and understand that failure to comply will lead to point loss and/or dismissal from the course.

Signed: _____ UFID: _____

Date: _____

Spring 2016 Course Outline and Lecture Schedule:

Month	Date	Day	Lecture Topic	Required Reading (White et al., 2011)
Jan	5	Tu	Course outline and expectations; anatomical terms Drop/Add	Ch. 1; 3
Jan	7	Th	Joints and muscles Drop/Add	Ch. 6
Jan	12	Tu	Bones of the skull; bone biology and development Drop/Add	Ch. 4; 7 Signed Form Due
Jan	14	Th	Skull: foramina and nerves	Ch. 7
Jan	19	Tu	QUIZ #1 Skull: neurocranium	Ch. 7
Jan	21	Th	Skull: face	Ch. 7
Jan	26	Tu	QUIZ #2 Cranioetrics	online handouts
Jan	28	Th	Dentition	Ch. 8
Feb	2	Tu	QUIZ #3 Human vs. Non-human remains	Ch. 9; Ch. 14 (241-245)
Feb	4	Th	Vertebral column	Ch. 9; Ch. 14 (241-245)
Feb	9	Tu	QUIZ #4 Ribs and sternum	Ch. 10
Feb	11	Th	Clavicle and scapula	Ch. 11
Feb	16	Tu	QUIZ #5 Upper limb – humerus, radius, ulna	Ch.12; online handouts
Feb	18	Th	Upper limb – humerus, radius, ulna (cont'd)	Ch.12; online handouts
Feb	23	Tu	Hand – carpals, metacarpals, phalanges	Ch. 13
Feb	25	Th	QUIZ #6 (Note Thursday Quiz!)	Ch. 13
Mar	1	Tu	NO CLASS – Spring Break	
Mar	3	Th	NO CLASS – Spring Break	
Mar	8	Tu	Os coxa	Ch. 14 (246-253)
Mar	10	Th	Lower limb – femur, tibia, fibula, patella	Ch. 15; online handouts
Mar	15	Tu	QUIZ #7 Lower limb – femur, tibia, fibula, patella (cont.)	Ch. 15; online handouts
Mar	17	Th	Foot – tarsals, metatarsals, phalanges	Ch. 16
Mar	22	Tu	QUIZ #8 Biological Profile: Sex	Ch. 19
Mar	24	Th	Biological Profile: Ancestry	Ch. 19
Mar	29	Tu	QUIZ #9 Biological Profile: Age	Ch. 19
Mar	31	Th	Biological Profile: Stature	Ch. 19
Apr	5	Tu	QUIZ #10 Biological Profile: Behavior	Online handouts
Apr	7	Th	Case studies	Ch. 23, 25, 26
Apr	12	Tu	QUIZ #11 Trauma and Pathology	Ch. 17; online handouts
Apr	14	Th	Taphonomy	Ch. 5
Apr	19	Tu	QUIZ #12 Issues in Forensic Anthropology	Online handouts
Apr	21	Th	Reading Day	
Apr			TBD FINAL EXAM	

*****NOTE:** exact dates for lecture topics are subject to change with prior notification. However, no substantial changes will be made to quiz and exam dates.***