



# ANT 4525 – Human Osteology



**Fall 2014 Instructor:** Allysha Winburn, MA

**Meeting Time:** MWF (Period 4: 10:40-11:30)

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

**Office Hours (held in the Osteology Lab):** MW 11:30-1:30

**E-mail:** [aip231@ufl.edu](mailto:aip231@ufl.edu) (Please note: when e-mailing, include “ANT 4525” in the subject line)

## COURSE DESCRIPTION

This course introduces the concepts and methods used in the analysis of human skeletal remains from forensic and archaeological contexts. The skills gained in this course will provide a basis for more advanced studies in forensic anthropology, bioarchaeology, paleopathology, and paleoanthropology. Through class lectures and lab study time, students will learn: 1) how to identify whole and fragmentary skeletal elements, 2) how to determine human from non-human skeletal remains, and 3) how to estimate the age, sex, stature and ancestry of an individual.

**Success in this course usually requires around 20 hours per week of independent laboratory study to prepare for the lab practical quizzes. Your performance on quizzes will reflect the amount of time you put into independent study. Please evaluate your schedule to decide if you can fully commit to this class.**

## TEXTS

### Required:

White, Tim D. and Pieter A. Folkens (2005) *The Human Bone Manual*. Academic Press.

### Recommended:

Bass, William (1995 or 2005) *Human Osteology: A Laboratory and Field Manual*. Special publication No. 2 of the Missouri Archaeological Society, Inc.

Buikstra, Jane E. and Douglas Ubelaker (1994) *Standards for Data Collection from Human Skeletal Remains*. Arkansas Archeological Survey.

White, Tim D., Michael T. Black, Pieter A. Folkens (2012) *Human Osteology*. Academic Press.

Additional materials (e.g., handouts) will be posted online (<https://lss.at.ufl.edu/>). The course website contains all pertinent course information, including the syllabus, handouts, and grades.

## COURSE REQUIREMENTS

There will be twelve (12) cumulative practical quizzes (100 points each; lowest score dropped) and one (1) cumulative final exam (200 points), for a total of 1300 points possible. Quizzes and exams will involve the identification of anatomical features and fragmentary skeletal remains, in addition to more detailed short-answer questions. The format of the quizzes will be explained

during the first class meeting. Quizzes may not be retaken, but the **lowest quiz score will be dropped at the end of the term**. The final exam grade, however, may **not** be dropped.

## GRADING

The raw scores of all quizzes (minus the lowest quiz score) will be added to the raw score of the final exam, and divided by the total points possible (1300 points: 1100 quiz points [1200 minus the 100 from the lowest quiz score] plus 200 final exam points). No extra credit will be given.

<b>A</b>	93% - 100%	<b>C</b>	73% - 76%
<b>A-</b>	90% - 92%	<b>C-</b>	70% - 72%
<b>B+</b>	87% - 89%	<b>D+</b>	67% - 69%
<b>B</b>	83% - 86%	<b>D</b>	63% - 66%
<b>B-</b>	80% - 82%	<b>D-</b>	60% - 62%
<b>C+</b>	77% - 79%	<b>E</b>	59% or less

Grades ending with a decimal of .5 or greater will be rounded up to the next integer.

## OTHER POLICIES

**Cell phones, iPods, and all other mobile devices must be turned off during class.** The use of recording devices is prohibited except with prior instructor permission.

Students are expected to attend all lectures with all assigned readings completed. **No lecture notes or PowerPoint slides will be distributed, under any circumstances.** If a student misses a 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/honorcodes/honorcode.php>).

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Quizzes and tests missed due to documented illness or emergency can 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 must still be notified prior to the absence, and documentation must be provided **within 72 hours**.

## ADDITIONAL RESOURCES

- [www.eskeletons.org](http://www.eskeletons.org) (good online study guide for human osteology and comparative anatomy)
- [http://www.meddean.luc.edu/lumen/meded/grossanatomy/learnem/bones/main\\_bone.htm](http://www.meddean.luc.edu/lumen/meded/grossanatomy/learnem/bones/main_bone.htm)
- Larsen, Clark Spencer (1997) *Bioarchaeology: Interpreting Behavior from the Human Skeleton*. Cambridge, MA: Cambridge University Press.
- Ortner, Donald J. (1981) *Identification of pathological conditions in human skeletal remains*. Washington: Smithsonian Institution Press.

**The following rules constitute a contract between student and instructor. Your signature below represents your commitment to upholding this contract, and your understanding that transgression of these rules 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 OSTEOLGY LABORATORY (1208J Turlington Hall)**

- 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 push the star button). Lock the room if you are the last to leave – even if you leave only briefly. **If the room is found unlocked, the last student to use the keypad will be penalized.**
- Permission for visitors to the laboratory must be received from the instructor, or another Anthropology faculty member. **NO EXCEPTIONS!**
- No specimens are to leave 1208J Turlington Hall (Osteology Laboratory).
- Food and drink are prohibited in the Osteology Laboratory.
- Photography of course materials or skeletal remains is 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 room, and to any additional materials provided by the instructor.
- Above all, please remember that the skeletal remains, laboratory equipment, and other teaching materials are to be treated with the utmost respect.

***Any transgressions of these rules will lead to point loss and/or dismissal from the course.***

**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: \_\_\_\_\_**



## Fall 2014: Osteology Course Outline and Lecture Schedule



DAY	DATE	LECTURE TOPIC	REQUIRED READING (White and Folkens 2005)
M	25 Aug	Course outline and expectations <b>Drop/Add</b>	Ch. 1; Ch. 3
W	27 Aug	Bone biology and development <b>Drop/Add</b>	Ch. 4
F	29 Aug	Anatomical terms, joints, and muscles <b>Drop/Add</b>	Ch. 6 ( <b>signed form due</b> )
M	1 Sep	<b>NO CLASS: HOLIDAY</b>	
W	3 Sep	Bones of the skull	Ch. 7
F	5 Sep	<b>QUIZ #1</b>	
M	8 Sep	Bones of the skull (cont.)	Ch. 7
W	10 Sep	Dentition	Ch. 8; online handouts
F	12 Sep	<b>QUIZ #2</b>	
M	15 Sep	Skull – foramina and nerves; craniometrics	Online handouts
W	17 Sep	Human vs. Non-human remains	Online handouts
F	19 Sep	<b>QUIZ #3</b>	
M	22 Sep	Vertebral column	Ch. 9; Ch. 14 (241-245)
W	24 Sep	Vertebral column (cont.)	Ch. 9; Ch. 14 (241-245)
F	26 Sep	<b>QUIZ #4</b>	
M	29 Sep	Ribs and sternum	Ch. 10
W	1 Oct	Clavicle and scapula	Ch. 11
F	3 Oct	<b>QUIZ #5</b>	
M	6 Oct	Upper limb – humerus, radius, ulna	Ch. 12; online handouts
W	8 Oct	Upper limb – humerus, radius, ulna (cont.)	Ch. 12; online handouts
F	10 Oct	<b>QUIZ #6</b>	
M	13 Oct	Hand – carpals, metacarpals, phalanges	Ch. 13
W	15 Oct	Hand – carpals, metacarpals, phalanges (cont.)	Ch. 13
F	17 Oct	<b>NO CLASS: HOMECOMING</b>	
M	20 Oct	Os Coxae	Ch. 14 (246-253)
W	22 Oct	Lower limb – femur, tibia, fibula, patella	Ch. 15; online handouts
F	24 Oct	<b>QUIZ #7</b>	
M	27 Oct	Lower limb – femur, tibia, fibula, patella (cont.)	Ch. 15; online handouts
W	29 Oct	Foot – tarsals, metatarsals, phalanges	Ch. 16
F	31 Oct	<b>QUIZ #8</b>	
M	3 Nov	Biological Profile: Sex	Ch. 19
W	5 Nov	Biological Profile: Age	Ch. 19
F	7 Nov	<b>QUIZ #9</b>	
M	10 Nov	Biological Profile: Ancestry	Ch. 19
W	12 Nov	Biological Profile: Stature	Ch. 19
F	14 Nov	<b>QUIZ #10</b>	
M	17 Nov	Trauma	Online handouts
W	19 Nov	Paleopathology	Ch. 17
F	21 Nov	<b>QUIZ #11</b>	
M	24 Nov	Taphonomy	Ch. 5

<b>DAY</b>	<b>DATE</b>	<b>LECTURE TOPIC</b>	<b>REQUIRED READING (White and Folkens 2005)</b>
W	26 Nov	<b>NO CLASS: HOLIDAY</b>	
F	28 Nov	<b>NO CLASS: HOLIDAY</b>	
M	1 Dec	Archaeological Recovery of Human Remains	Ch. 2
W	3 Dec	Issues in Forensic and Physical Anthropology	Online handouts
F	5 Dec	<b>QUIZ #12</b>	
M	8 Dec	Open Lab – Review	
W	10 Dec	Open Lab – Review	
Thurs	18 Dec	<b>CUMULATIVE FINAL EXAM: Group 18C</b>	<b>12:30-2:30pm</b>

\*\*\* Note: exact dates for lecture topics are subject to change due to potential availability of guest speakers. However, no substantial changes will be made to quiz and exam dates.\*\*\*