

## Human Skeletal Anatomy Anth 331-01, Autumn 2009



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Office Hours: Monday, Wednesday, Friday 12:00-1:00pm and by appointment

**Class Time and Location:** Tuesday, Thursday 10:00-11:15am, Fitzelle 311

### Required Texts:

- White TD, Folkens PA. 2005. The Human Bone Manual. Academic Press.

**Course Catalog Listing:** This course is concerned with the study of the human skeleton (osteology) and the physiological and cultural processes that operate upon it. Topics to be covered include human skeletal anatomy, musculature, age and sex determination, skeletal pathology and anomalies, and cultural modifications. (*LA, CPA*)  
*Prerequisites:* JrS, ANTH 130 or BIOL 100.

**Course Overview:** This course focuses on the identification of the bones of the human skeleton and its application to specialties within biological anthropology. This course serves as a foundation for other courses in biological anthropology, including forensic anthropology and bioarchaeology. Topics to be covered include: human skeletal and dental anatomy, skeletal and dental growth and development.

### Course Objectives:

- (1) To identify the bones of the adult and subadult human skeleton.
- (2) To identify human from non-human bones.
- (3) To identify specific features of various skeletal elements.
- (4) To correctly identify and side complete and fragmentary skeletal elements.
- (5) To identify the teeth in the permanent and deciduous human dentition.
- (6) To understand bone growth and development.
- (7) To understand dental development.

### Course Requirements:

- (1) **Quizzes (10)** – These quizzes will be held the week after we discuss that topic. The quizzes include two parts: (1) a lab portion of bone identification, feature identification, and siding, (2) a written portion, including multiple choice, fill-in-the-blanks, matching, and/or short answer. The lab portion will be a timed-station format in which you have two minutes per station to make your assessment. Spelling will count. The lowest quiz grade will be dropped; only 9 quiz grades will count towards total points.
- (2) **Research Paper** – This paper should be thought of as a “mini” research paper on an osteological topic of your choice, with approval of the instructor. The paper and grading will be divided into three parts: (1) Paper topic assignment (2) Research paper (3) Presentation. Details of this assignment, including page length requirements, etc. will be handed out later in the semester.
- (3) **Final Exam** - This will be a comprehensive exam, including both a lab portion and a written portion. The written part will include multiple choice, matching, fill-in-the blank, short answer, and/or essay questions. The format of the lab portion will be similar to that of the quizzes. Spelling will count.
- (4) **Attendance** – Your attendance is mandatory and is worth approximately 2 points per week. Of course, excused absences are permitted, such as illness, funerals, etc. In these cases, documentation will be required to avoid losing points. If you miss a quiz, you will not be able to make it up; however, if it is an excused absence, the missed quiz will not count against you.

## Course Evaluation:

Quizzes – 9 @ 25 points each:	225
Research Paper	
Paper topic assignment	5
Paper	40
Presentation	20
Final Exam	100
Attendance	30
<b>TOTAL POINTS</b>	<b>420</b>

## Course Guidelines:

### *Grading:*

Final grades are based on a standardized scale using the total number of points available for the course: (A: 385-420, A-: 376-384, B+: 372-375, B: 343-371, B-: 334-342, C+: 326-333, C: 301-325, C-: 292-300, D+: 282-291, D: 259-283, D-: 250-258, E: 0-249).

### *Attendance:*

Attendance is mandatory. If you miss a lecture, lecture notes will not be provided. The class begins promptly, as a courtesy to the instructor and your fellow students, please be on time. You are responsible for any material missed due to tardiness. Remember that the course outline is only a guideline and is subject to change at the instructor's discretion. In addition to attending class, I expect you to spend extra time outside of class to practice. Simply studying diagrams in your textbooks will not be sufficient.

### *Participation:*

In this class, it is essential that you not only attend class, but that you participate as well. Participation includes active listening, preparation for class by reading materials and completing assignments, taking part in group exercises, and contributing to class discussions. While a certain amount of class time will be devoted to lecture, I expect you to participate by asking questions about materials or topics you do not understand. Furthermore, I expect you to respect others' opinions, so that everyone may feel comfortable participating in class.

### *Office Hours:*

My office hours are a minimum; please feel free to stop by my office, email me, or call my office number if you have questions outside of class time. I am here to assist you in becoming proficient in human osteology. Please make use of me! These hours are set aside for you to address problems, clear up misunderstandings, or to receive extra help with course material. These hours are not substitutes for lectures. I strongly urge you to make use of this time. If you cannot come during these hours, I will be happy to make an appointment convenient to both of us. Alternate office hours will be announced in class should I have to miss my scheduled hours.

### *Late Assignments:*

All late assignments will receive a 10% reduction of the grade for each day it is late.

### *Academic Honesty*

Plagiarism and cheating WILL NOT BE TOLERATED IN ANY FORMAT. The work you do in this course should be your own. Please see the university's Code of Student Conduct (<http://www.oneonta.edu/development/judicial/code.asp#conduct>) to familiarize yourself with the university's rules and policies. Ignorance of the rules will NOT be accepted as an excuse.

### *Cell Phones and Pagers:*

Out of courtesy to the instructor and your fellow students, *please turn off your pagers and cell phones prior to coming to class.*

*Emergency Evacuation/Shelter-in-Place Procedures*

In the event of an emergency evacuation (i.e., fire or other emergency), classes meeting in this building are directed to reassemble at **IRC lobby** so that all persons can be accounted for. Complete details of the College's emergency evacuation, shelter-in-place and other emergency procedures can be found at <http://www.oneonta.edu/security/>.

**Course Outline:**

READING ASSIGNMENT

*WEEK 1*

August 27 (R) Introduction to the Skeleton Chapter 1

*WEEK 2*

Sept. 1 (T) Bone Biology Chapter 4

3 (R) Anatomical Terminology Chapter 6

*WEEK 3*

8 (T) Bones of the Skull 1 Chapter 7

10 (R) Bones of the Skull 1

*WEEK 4*

15 (T) Bones of the Skull 2 Chapter 7

**Quiz 1: Bones of the Skull 1**

17 (R) Bones of the Skull 2

*WEEK 5*

22 (T) Dental Development & Dentition Chapter 8

**Quiz 2: Bones of the Skull 2**

24 (R) Dental Development & Dentition

*WEEK 6*

29 (T) NO CLASSES

Oct. 1 (R) **Quiz 3: Dentition**

*WEEK 7*

6 (T) Bones of the Thorax Chapters 9 – 10

8 (R) Bones of the Thorax

WEEK 8

13 (T) Bones of the Shoulder  
**Quiz 4: Bones of the Thorax** Chapters 11

15 (R) Bones of the Shoulder  
**Paper topic Due**

WEEK 9

20 (T) Bones of the Arm  
**Quiz 5: Bones of the Shoulder** Chapter 12

22 (R) Bones of the Arm

WEEK 10

27 (T) Bones of the Hand  
**Quiz 6: Bones of the Arm** Chapter 13

29 (R) Bones of the Hand

WEEK 11

Nov. 3 (T) Bones of the Pelvic Girdle  
**Quiz 7: Bones of the Hand** Chapter 14

5 (R) Bones of the Pelvic Girdle

WEEK 12

10 (T) Bones of the Leg  
**Quiz 8: Bones of the Pelvic Girdle** Chapter 15

12 (R) Bones of the Leg

WEEK 13

17 (T) Bones of the Foot  
**Quiz 9: Bones of the Leg** Chapter 16

19 (R) Bones of the Foot

WEEK 14 NO CLASSES: Nov. 23-27

WEEK 15

Dec. 1 (T) **Quiz 10: Bones of the Foot**  
Student Presentations

3 (R) Student Presentations

WEEK 16

8 (T) Student Presentations

10 (R) Student Presentations  
**Final Papers Due**

**\*\* Final Exam: Tuesday, December 15, 8:00am-10:30am**