

University of Northern Colorado
College of Humanities and Social Sciences
Office of Extended Studies
Summer 2010
ANT 408-631: Basic Human Osteology (3 cr)

Course advisor: Alan Price, MA, SCSA
Adjunct Faculty, University of Northern Colorado
Email: alprice370@msn.com **Phone:** 970-353-7008

Invited Guest Lecturers:

(1) Frederick J. Snow, Ph.D., President, Forensic Anthropology Consulting Services, Inc., Knoxville, TN
(2) Hillary Parsons, M.A., Doctoral Graduate Student, University of Tennessee

Location: New Orleans, Louisiana
Class Building & Room: Hotel Provincial, 1024 Rue Chartres, New Orleans, LA 70116
Special lodging rates will be provided to students.
Dates and Times: July 19-24, 2010, 8-5pm daily. Additional time each evening will be allotted for students to work within study groups.

Notice

The Office of Extended Studies reserves the right to cancel or reschedule courses based upon enrollment. Enrolled students will be contacted with information of any change. Prior to making long-distance travel arrangements, please confirm with UNC that sufficient enrollment is in place before making final travel commitments.

Required Texts: A workshop book and study reference guide will be provided to each student for this course as part of the cost of the tuition.

Course Description:

This intense one-week course provides the attendee with the principles recognizing and identifying the major bones of the human skeleton. In addition, attendees will learn to distinguish human bones from animal bones. The focus of the course will be in recognizing osteological landmarks of the human skeleton that will allow the attendee to not only determine which bone it is but also to determine if the bone is from the right side of the body or the left. This course is an approximately equal combination of lecture and lab exercises. The lecture material will be given in the form of PowerPoint presentations showing individual bones, the landmarks that distinguish them from all other bones, and how to side them. In the lab exercises, each attendee will examine actual human skeletal material and will work closely with the instructors, who will point out diagnostic landmarks taught in the lectures. Although the focus of the course is learning the bones of the human body, some emphasis will also be given on how to distinguish between the sexes and among ancestries using only the skeleton. Students will be required to demonstrate knowledge of the material by taking daily written and practical examinations. Case presentations from Dr. Snow's experience as a forensic anthropologist will be used to illustrate how human skeletal remains were used to make identifications, document trauma, and in subsequent prosecution. This course is designed for persons who may be responsible documenting crime scenes where human remains are present, students in criminal justice, law enforcement personnel, and college students.

Course Objectives:

1. Attendees will learn the principles of human osteology using skeletal landmarks to learn the major bones of the human body.
2. Attendees will learn the principles of using diagnostic osteological landmarks to determine which side of the body a bone came from.
3. Attendees will learn how skeletal elements are used to determine sex, ancestry, age, and stature.

Outline of Course Content:

Principles forensic anthropology
 Recognition and identification of major human skeletal elements
 Location and recognition of osteological landmarks
 Siding skeletal elements using osteological landmarks
 Determination of the biological profile (sex, ancestry, age, stature) from the human skeleton
 Determination of trauma from the human skeleton
 Case studies

Class Presentations:

Students will be expected to submit the written results of their group's photo assignments throughout the week. Upon the completion of the course each individual student is expected to submit a photo log and a chain of custody sheet of their film and pictures. Each student is also required to submit a crime scene sketch that accurately supplements the photographs they have taken. Each student will also be expected to participate in a moot court presentation to establish a legal foundation for the introduction of their photos into a court of law.

Extra Credit:

No extra credit is structured into this class.

Examinations:

Both a mid-term and final examination will be administered in compliance with University standards. **The Mid-term examine will be on Wednesday, and the Final Examination will be on Saturday, at end of this course. Both examinations will only be administered on their respective dates.** Both the mid-term and final exams will be comprehensive of all topics presented in this course, and be written and have a laboratory component.

Quizzes:

A daily quiz will be administered on Monday, Tuesday, Thursday and Friday of this course. Quizzes are generally fifteen points in value. Quizzes will consist of a written and laboratory component.

Participation and attendance:

Students cannot afford to miss any portion of this class in order to maintain a passing grade.

Quizzes = 15 – 20 points each
 Midterm Exam = 50 points
 Final Exam = 100 points
 Written group summary & crime scene sketch = 25 points

Method of Evaluation

This course is letter graded and will follow the grade level breakdown approved by the CJR faculty.

Grade	% of Total Points
A	93 – 100%
A -	90 - 92%
B+	88 – 89%
B	83 - 87%
B-	80 – 82%
C+	78 - 79%
C	70 – 77%
D	60 – 69%
F	0 – 59%

Percentages are based on the total accumulated points from the mid-term, final, any quizzes, the submitted paper and individual presentations.

Course Daily Schedule:

Monday

8:00 – 8:30	Introductions, class expectations, grading, etc.
8:30 – 9:00	Handling Bones, Terminology, Terms of Orientation
9:00 – 9:15	Break
9:15-9:30	Introduction to Cranium/Skull
9:30-10:30	Frontal, Parietals, (siding, practice)
10:30-10:45	Break
10:45-12:00	Occipital, Temporals, (siding, practice)
12:00-1:00	Lunch
1:00-1:45	Sphenoid (practice)
1:45-2:15	Mandible (practice)
2:15-2:30	Break
2:30-3:00	Maxilla (siding, practice)
3:00-4:00	Zygomatics, Nasals, Palatines, Vomer, Ethmoid, Lacrimals, Inferior Nasal Conchae, Hyoid
4:00-5:00	Lab time & Quiz #1

Tuesday

8:00-8:45	Quiz (written and lab component)
8:45-9:00	Introduction to Vertebral Column
9:00-9:45	Cervical Vertebrae (practice)
9:45-10:00	Break
10:00-10:45	Thoracic Vertebrae (practice)
10:45-11:30	Lumbar Vertebrae (practice)
11:30-12:00	Lunch (practice)
12:00-1:00	Lunch
1:00-1:30	Sternum (practice)
1:30-2:30	Ribs (siding, practice)
2:30-2:45	Break
2:45-3:15	Clavicle (siding, practice)
3:15-4:00	Scapula (siding, practice)
4:15-5:00	Lab time & Quiz # 2

Wednesday

8:00-9:30	Mid-Term Exam (written and lab component)
9:30-9:45	Break
9:45-10:30	Humerus (siding, practice)
10:30-11:15	Radius (siding, practice)
11:15-12:00	Ulna (siding, practice)
12:00-1:00	Lunch
1:00-1:15	Introduction to the hand
1:15-3:00	Carpals (practice)
3:00-4:00	Metacarpals, Phalanges (practice)
4:00-5:00	Lab time

Thursday

8:00-8:30	Review of mid-term exam
8:30-9:30	Os Coxae (siding, practice)
9:30-9:45	Break
9:45-10:15	Sacrum (practice)
10:15-10:30	Coccyx
10:30-11:45	Femur (siding, practice)
11:45-12:00	Patella (siding, practice)
12:00-1:00	Lunch
1:00-1:45	Tibia (siding, practice)
1:45-2:30	Fibula (siding, practice)
2:30-2:45	Break
2:45-3:15	Tarsals (practice)

3:15-4:00 Metatarsals and Phalanges
4:00-5:00 Lab time & Quiz # 3
Class supper out at Acme Oyster House

Friday

8:00-12:00 Group preparation for osteology presentation
12:00-1:00 Lunch
1:00-3:00 Group presentations of skeletal structure and osteology knowledge
3:00-4:00 Preparation for Final Exam
4:00-5:00 Quiz # 4
6:00- 12:00 am Study and Review session with staff if needed.

Saturday

8:00-10:30 Final exam (written, lab component, black box exercise)

Students with Disabilities

Any student requesting disability accommodation for this class must inform the instructor giving appropriate notice. Students are encouraged to contact Disability Support Services at (970) 351-2289 to certify documentation of disability and to ensure appropriate accommodations are implemented in a timely manner.

Honor Code

All members of the University of Northern Colorado community are entrusted with the responsibility to uphold and promote five fundamental values: *Honesty, Trust, Respect, Fairness, and Responsibility*. These core elements foster an atmosphere, inside and outside of the classroom, which serves as a foundation and guides the UNC community's academic, professional, and personal growth. Endorsement of these core elements by students, faculty, staff, administration, and trustees strengthens the integrity and value of our academic climate.

UNC's Policies

UNC's policies and recommendations for academic misconduct will be followed. For additional information, please see the Dean of Student's website, Student Handbook link <http://www.unco.edu/dos/handbook/index.html>

Student Satisfaction Evaluation

Participants will be asked to evaluate the workshop for instructors' knowledge, interest and enthusiasm as well as providing additional information on classes or topics which you would like to see developed as a future offering from UNC.

Portable Electronic Devices

Please extend courtesy to your instructor and fellow students by turning off your portable electronic devices such as: cell phones, pagers, and iPods. Although not an audio issue, text-messaging is a distraction to other students and prevents you from full participation in class. You should keep your portable electronic devices in your backpack or purse during class. Your personal electronic devices should not be on your desks. If you know that you may need to accept an emergency phone call during class or if you have children in childcare or school, please let the instructor know. If you need to take a phone call during class, please step out of the classroom while you complete your call. Thank you for your cooperation.

Course Withdrawal Information

Due to the unique nature of this course, if you drop this class after July 15, 2010, you are legally responsible for payment of full tuition. In order to be eligible to receive any refund of tuition, you must contact the Office of Extended Studies (1-800-232-1749) to formally withdraw from your class. Your refund, if applicable, will be based on the date of contact with our office. Withdrawals received via telephone during non-business hours will be processed and dated on the next working day. Failure to notify us will result in UNC tuition being owed even though you do not attend or complete the coursework.

For additional UNC policies, please access UNC's website at: www.unco.edu. As an off-campus student taking courses from UNC, you should familiarize yourself with the academic regulations and procedures contained in the current UNC catalog: <http://catalog.unco.edu>. To view all of our off-campus offerings, please visit our website at: www.unco.edu/extendedstudies