

UNIVERSITY OF WYOMING
ANTH4230-01/5230-01, CRMJ4230-01
Introduction to Forensic Anthropology
Spring 2020
Anthropology Building, Room 140
Monday, Wednesday, Friday 2:10 p.m - 3:00 p.m.
January 27 to May 8, 2020

Instructor of Record: Rick L. Weathermon, PhD - Senior Research Scientist
Office: Anthropology Building: Office - Room 114, Lab 380
Phone: 766-3529 (office) 766-5136 (Anthropology Department)
E-mail: rikw@uwyo.edu
Office Hours: Open Door / Formally 12:00 pm -1:00 pm MWF in Room 114 or 380; by appt. in 114.

Graduate Assistant: Robert Barlow (Rob)
Office/Lab Anthropology Office TBA, Lab 380
Phone: 766-5136 (Messages - Anthropology office)
E-mail: rbarlow1@uwyo.edu
Lab/Office Hours: TBA

Prerequisite: ANTH1100 / Other Anthropology Intro Course, or permission of instructor.

Course Description, Goals and Objectives:

This course provides a introductory study of human remains in medico-legal contexts and the approaches used by forensic anthropologists. In addition to identifying individual human bones and teeth, by the end of the course, students should be able to differentiate human from faunal bones, use forensic techniques to evaluate age, stature, sex, ancestral population, and markers of trauma and disease on skeletonized remains. Additional topics will cover taphonomic interpretations, stable isotopes, burned bone, facial identification and personal identification. Finally, students are exposed to forensic anthropology as applied in the forensic sciences and the application of expert witness testimony in criminal and other court cases. PLEASE NOTE: Satisfactory completion of this course does not make you a Forensic Anthropologist any more than sitting in a puddle makes you a duck!

Required Texts: A. Christensen, N. Passalacque, and E. Bartelink
2014 *Forensic Anthropology: Current Methods and Practice*. Elsevier, Amsterdam.
T. White, and P. Folkens
2015 *The Human Bone Manual* Elsevier

Additional Required Readings: Additional reading outside of the required texts will be assigned as the semester progresses. These will be posted on the class website as downloadable PDF files.

Americans with Disabilities Act (ADA) Accommodation

If you have physical, learning, or psychological disabilities and require accommodations for those disabilities, please let me know as soon as possible. You will need to register with the University Disability Support Services (UDSS), in the Student Educational Opportunity (SEO) office (Room 330 - Knight Hall). You must also provide documentation of your disability to UDSS.

Course Policies:

- ▶ Students are expected to actively participate in this class. In order to do so, students should attend every class session. It is very difficult to actively participate if you are not present! While absences are occasionally unavoidable, missing more than three classes with unexcused absences will reduce your overall class points by 5 percent. Five or more unexcused absences will likely drop you a full grade level. Oversleeping, cars failing to start, alarm clocks that didn't go off, room mates that didn't wake you up, and other such reasons are not valid excuses for an absence. Written documentation of University approved absence is required. If you are ill, please bring a note from your physician validating your claim. University sponsored absences are cleared through the Office of Student Life (OSL). Students with official authorized absences will be permitted to make up work without penalty in classes missed. A and S notes that the Office of Student Life may also be able to confirm the validity of the student's reasons for absences such as deaths in the family or road closures that prevented the student from getting to a class or contacting the instructor in a timely manner. The A and S Dean's office does not provide authorizations for student absences. Refer to UW Regulation 6713 for additional information. Make-up tests and quizzes will only be allowed if the absences are

officially excused (see above).

The instructor and graduate assistant are here to provide assistance both in the classroom and during open labs. Students are responsible for using this assistance to their advantage.

Academic Dishonesty will be dealt with according to University of Wyoming Regulations. Reference: [Unireg 802, Revision 2, Academic Dishonesty](#). The University of Wyoming is built upon a strong foundation of integrity, respect and trust. All members of the university community have a responsibility to be honest and the right to expect honesty from others. Any form of academic dishonesty is unacceptable to our community and will not be tolerated. Teachers and students should report suspected violations of academic honesty to the instructor, department head, or dean. University regulations can be found at: <http://uwadmnweb.uwyo.edu/legal/universityregulations.htm>.

- ▶ Assignments are due at the beginning of the class period on the specified dates. Assignments turned in after the specified date and time are subject to a 10% reduction in total grade points per day that the assignment is late. Avoid this penalty! Turn all work in on time. Assignments turned in later than 5 days after the specified due time and date **will not be accepted or graded!!** If you must be absent on the day that the assignment is due, turn it in early!
- ▶ Grades for the course will be based upon the total number of points accumulated during the course. Your grade will reflect the number of points that **you** earn in the class! This course follows a typical grading scale. 'A' = 90%+ (500 - 447.5 total points), 'B' = 80-89%(447.4 - 397.5 total points), 'C' = 70-79% (397.4 - 347.5 total points), 'D' = 60-69% (347.4 - 297.5 total points), 'F' = 59% or below (less than 297.5 total points). Graduate student scoring is different (see below) with 600 points available due to the addition of a research paper or classroom presentation. All quizzes and tests are cumulative!

Assignments, Exams, Participation, And Grade Points

The Undergraduate Class Grade will be based on total points accrued from an initial exam, four quizzes, a mid-term exam, two analysis projects, and the final. There are a total of nine pieces of graded work in this class with 500 available points. All quizzes and tests are cumulative! The Graduate Class Grade is based on the same nine pieces of work, plus a 100 point research paper or 45-50 minute class presentation on a mutually agreed upon subject in Forensic Anthropology.

Tentative Exam and Quiz Schedule (circumstances may dictate changes in scheduling; announcements in class and via the web take precedent)

Graded Work	Date Due	Points Available	Undergrad % of Grade	Grad % of Grade
<u>Quizzes, Exams, Projects (Undergrad and Grad)</u>				
Preliminary Quiz	1/29	0	0.0	0.0
Initial Exam	2/7	60	12.0	10.0
Quiz 1	2/14	35	7.0	5.83
Quiz 2	2/28	35	7.0	5.83
Mid-Term Exam	3/13	100	20.0	16.67
Quiz 3	4/3	35	7.0	5.83
Analysis Project 1	4/10	50	10.0	8.33
Quiz 4	4/17	35	7.0	5.83
Analysis Project 2	5/1	50	10.0	8.33
Final	5/11	100	20.0	16.67
Graduate Student Paper/Presentation	TBD	(100)		16.67
TOTALS		500 (600)	100.0	100.0

Notes on the Web: Illustrations and some class notes will be available on the course website prior to their respective class times. Go to the [My Courses](#) tab on your UW Home Page. Click on the link. Click the appropriate Class Section (ANTH4230-01) link, and then click on the **Files** link. This will bring up the files available for download in PDF format in weekly folders. Print these and bring them to class as note taking aids. I recommend a 3 hole punch and binder!

TENTATIVE CLASS SCHEDULE: (circumstances may dictate changes, announcements in class and via Class Website take precedent)

Week 1, January 27 - 31

LECTURES: Introductory Comments; Class Policies; Ethics; Anatomical Orientation, Introduction to the Human Skeleton.

READINGS: Christensen et al. Chapters 1 and 2, White and Folkens Chapters 1, 3, 6.

PRELIMINARY QUIZ: Wednesday, January 29.

Week 2, February 3 - 7

INITIAL EXAM: February 7

LECTURES: Human Skeletal Biology, Development, Histology and Histogenesis, Internal and External Macroscopic and Microscopic Structures of Bone

READINGS: Christensen et al. Chapter 2, White and Folkens Chapter 4.

Week 3, February 10 - 14

QUIZ 1: February 14

LECTURES: Skeletal Examination and Documentation Methodologies

READINGS: Christensen et al. Chapter 3, White and Folkens Chapters 7 thru 16

Week 4, February 17 - 21

LECTURES: Skeletal Elements and Identification

READINGS: Christensen et al. Chapter 4, White and Folkens Chapters 7 thru 16

Week 5, February 24 - 28

QUIZ 2: February 28

LECTURES: Skeletal Elements and Identification, Forensic Taphonomy, Medico-Legal Aspects

READINGS: Christensen et al. Chapter 5; White and Folkens Chapter 5, Chapters 7 thru 16.

Week 6, March 2 - 6

LECTURES: Skeletal Elements and Identification, Forensic Archaeology and Scene Processing

READINGS: Christensen et al. Chapter 6; White and Folkens Chapters 7 thru 16

Week 7, March 9 - 13

MIDTERM TEST: March 13

LECTURES: Preparation and Preservation of Skeletal Remains

READINGS: Christensen et al. Chapter 7, White and Folkens Chapter 18

Week 8, March 16 - March 20

Spring Break - No Classes

Week 9, March 23 - March 27

LECTURES: Sex and Ancestry Estimations

READINGS: Christensen et al. Chapters 8 and 9, White and Folkens Chapter 19

Week 10, March 30 - April 3

QUIZ 3: April 3

LECTURES: Age and Stature Estimations

READINGS: Christensen et al. Chapters 10 and 11, White and Folkens Chapter 19

Week 11, April 6 - April 10

SKELLETAL PROJECT 1 DUE: April 10

LECTURES: Individual Skeletal Variation

READINGS: Christensen et al. Chapter 12

Week 12, April 13 - April 17

QUIZ 4: April 17

LECTURES: Personal Identification

READINGS: Christensen et al. Chapter 14

Week 13, April 20 - April 24

LECTURES: Skeletal Trauma Analysis

READINGS: Christensen et al. Chapter 13

Week 14, April 27 - May 1

SKELETAL PROJECT 2 DUE: May 1

LECTURES: Skeletal Pathology and Differential Diagnoses

READINGS: Christensen et al. Chapter 15

Week 15, May 4 - May 8

DEAD WEEK

Lectures: Forensic Anthropology Future, Forensic Case Studies

Week 16, May 11 - May 15

FINALS WEEK

Class Final: Monday, May 11, 1:15 pm -3:15 pm