

ARCHAEOLOGY 555

Human Osteology

Fall 2019

Instructor: Emily Peschel
Office: ES 806C
Office hours: W 2:00-4:00
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Lectures: TR 9:30-10:45 ES 743
Lab: T or R 11:00 – 12:45 ES 743

Prerequisite(s): Anthropology 309 or 350.
Antirequisite(s): Archaeology 613.

Course Objectives:

This course covers normal human skeletal and dental anatomy at the gross and microscopic levels and emphasizes the application of that knowledge to the analysis of human remains from both prehistoric and recent contexts. Such applications include estimation of sex, age at death, stature and population affiliation. Techniques for reconstructing populations, interpreting disease experience and examining microevolution will be covered. Historical aspects of human osteology and the integration of information obtained from the human skeleton with other archaeological evidence are also discussed. Additional topics include forensic anthropology, the reconstruction of prehistoric diet, migration and mobility in past populations, and the processes that alter bones after death to rediscovery in the archaeological record.

Course learning outcomes

Upon completion of this course, students should have acquired the following skills:

- Detailed knowledge of human skeletal anatomy
- Ability to estimate basic identifying features from skeletal remains, including sex, age at death, and stature
- Use of osteometric equipment
- An understanding of the contributions of skeletal analysis to studies of comparative anatomy and archaeological investigation
- Ability to prepare a laboratory report

Required Textbook and Lab Manual: (should be available at U of Calgary bookstore)

1. Human Osteology: **White**, T.D., Black, M.T. and Folkens, P.A.. Academic Press/ Elsevier 3rd edition.
2. Standards for data collection from human skeletal remains: edited by Jane E. **Buikstra** and Douglas H. Ubelaker, Arkansas Archaeological Survey Research Series No. 44, latest edition. ISBN 1-56349-075-7.

Recommended Textbook

Juvenile Osteology: A Laboratory and Field Manual, Schaefer, M., Black, S. and L. Scheuer, Academic Press/Elsevier. Available on Amazon.

Other required readings

Readings (articles and book chapters) are available from a list provided separately on D2L. These can be accessed online from the Taylor Family Digital Library.

Grading:

Bone Quizzes	40% (eight quizzes each worth 5%)
Laboratory reports	40% (four reports each worth 10%)
Final exam	20%
(Date set by Registrar's Office)	

Grading scale

94.5 – 100	A+	84.5 – 94.4	A	79.5 – 84.4	A-
77.5 – 79.4	B+	72.5 – 77.4	B	69.5 – 72.4	B-
66.5 – 69.5	C+	62.5 – 66.4	C	59.5 – 62.4	C-
56.6 – 59.4	D+	50.0 – 55.5	D		
<49.9	F				

Missed quizzes: It is important that students attend quizzes in their assigned lab section. Students who are unable to take a scheduled quiz must contact the instructor in advance of the scheduled quiz or within 24 hours to make necessary arrangements for the makeup quiz. Makeup quizzes will take place at a time that is convenient to the instructor or teaching assistant, normally within one week of the original quiz time. Deferred quizzes may be allowed in the following circumstances: illness, domestic affliction, or religious conviction. Travel arrangements and misreading of the course outline are not valid reasons for missing quizzes, exams, or incomplete/late assignments.

Additional information:

Internet and Electronic Communication Device information;

- Please use common sense. Use your computer to access blackboard, take notes, read assignments, view helpful websites, but please do not watch movies, use Facebook, email or engage in other electronic distractions during class. Electronics are not allowed during quizzes and exams.

Writing Across the Curriculum

- Laboratory reports and essay examination questions must be clearly written and presented as prose (not in point form).

Writing skills are not exclusive to English courses and, in fact, should cross all disciplines. The University supports the belief that throughout their University careers, students should be taught how to write well so that when they graduate their writing abilities will be far above the minimal standards required at entrance. Consistent with this belief, students are expected to do a substantial amount of writing in their University courses and, where appropriate, instructors can and may use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Centre in the Effective Writing Office can be utilized by all undergraduate and graduate students who feel they require further assistance.

Academic Accommodation Policy

It is the student's responsibility to request academic accommodations according to the University policies (ucalgary.ca/access/accommodations/policy) Students requesting an Accommodation on the basis of Disability are required to register with Student Accommodation Services (SAS) by submitting a Request for Accommodation in accordance with the Procedure for Accommodations for Students with Disabilities (<https://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities.pdf>). SAS will issue a Letter of Accommodation which must be presented to either designated contact person within the Department or the appropriate Instructors within 10 days of the beginning of term. Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to their Instructor or the Department Head/Dean or to the designated contact person in their Faculty.

Freedom of Information and Protection of Privacy Act

- Lab reports will be handed back in class or available for pickup by the person who wrote them.

The University of Calgary is committed to protecting the privacy of individuals who work and study at the University or who otherwise interact with the University in accordance with the standards set out in the Freedom of Information and Protection of Privacy Act.

Please refer to the following link for detailed information:

<http://www.ucalgary.ca/legalservices/foip>

Academic Misconduct

Academic dishonesty is an unacceptable activity at the University of Calgary and students are **strongly advised** to read the Student Misconduct section of the University Calendar. Quite often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are:

- 1) Presenting another student's work as your own
- 2) Presenting an author's work or ideas as you own without proper referencing
- 3) Using work completed for another course

This activity will not be tolerated and students conducting themselves in this manner will be dealt with according to the procedures outlined in the University Calendar.

For more information see the Student Academic Misconduct Policy

(<https://www.ucalgary.ca/policies/files/policies/student-academic-misconduct-policy.pdf>)

instructor intellectual property

Lectures, demonstrations, performances, and any other course material provided by an instructor includes copyright protected works under the Copyright Act and all forms of electronic or mechanical recording of lectures, laboratories, tutorials, presentations, performances, electronic (computer) information, the duplication of course material, and to the translation of recordings or transcriptions of any of these materials to another form by electronic or mechanical means by students is not permitted, except.

- As a formal accommodation as assessed by the Student Accessibility Services and only for individual private study and only at the discretion of the instructor.
- With the permission of the instructor, students without a formal accommodation may audio record lectures, provided that the student and instructor sign a release form available from departmental and faculty offices. A copy of the Release form shall be retained by the instructor and by the department in which the course is offered. Any audio recording by students is permitted only for the purposes of private study by the individual student. Students may not distribute, email or otherwise communicate these materials to any other person.
- For any other use, whether by duplication, transcription, publication, sale or transfer of recordings, written approval must be obtained from the instructor for the specific use proposed.
- Any use other than that described above (e.g. distributing, emailing or otherwise communicating these materials to any other person, constitutes academic misconduct and may result in suspension or expulsion.
- Students are encouraged to make notes of classroom discussions, lectures, demonstrations etc.

Copyright Legislation:

1. All **students** are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (www.ucalgary.ca/policies/files/policies/acceptable-use-of-

[material-protected-by-copyright.pdf](#)) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Support and Resources:

information that is not course-specific related information found on the Office of the Registrar's website: <https://www.ucalgary.ca/registrar/registration/course-outlines>

Information here includes.

- Emergency Evacuation/Assembly Points
- Wellness and Mental Health Resources
- Student Success Centre
- Student Ombuds Office
- Student Union (SU) Information
- Safewalk