

ARCHAEOLOGY 595
Problems in Paleopathology and Paleonutrition
Winter 2016

Instructor: Adrienne Offenbecker
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Lectures: MW 2:00 – 3:15pm ES 859
Office Hours: TW 3:30 – 4:30 or by appointment



Course Objectives:

In this seminar course, human health, disease, and diet are examined from the perspective of both modern and prehistoric peoples. Techniques for identifying evidence of disease, trauma, diet, and nutrition from skeletal and mummified remains are covered. Emphasis is placed on how this information can be used to inform our understanding of past populations as it relates to diet and disease. More specifically, we will examine how humans adapt to varying environments, the co-evolution of humans and their parasites, genetic adaptations to disease, cultural buffers and modern problems that can be traced back to prior populations.

Readings & Required Texts:

1. Roberts C and Manchester K. 2005. *The Archaeology of Disease* (3rd edition). Cornell University Press: Ithica.
2. Grauer AL (ed). 2012. *A Companion to Paleopathology*. Blackwell: New Jersey.
- This book is available online through the University of Calgary library catalogue
3. Additional readings, as indicated in the Course Reading List (posted to D2L). Most articles can be obtained online through the University of Calgary library website. Articles from book chapters not accessible online will be made available as photocopies and held on reserve at the Taylor Family Digital Library.

Evaluation:

Assignment	Mark	Due Date
Journal Article Review 1	10%	Mon, February 1 (in class)
Journal Article Review 2	10%	Mon, March 7 (in class)
Annotated Bibliography	5%	Mon, March 21 (in class)
Research Paper	30%	Fri, April 15 (midnight)
Group Presentation	20%	
Discussion & Class Participation	25%	

Journal Article Reviews:

The purpose of these assignments is to encourage critical thinking about the literature that you read. You can choose to review any of the articles assigned for the week that the Journal Article Review is due. Please note that you cannot review chapters from the textbooks we are using for the course. Guidelines for this assignment can be found on D2L. *Please do not put your name on these assignments, use your UCID number.*

Annotated Bibliography & Research Paper:

Students are required to write a term paper (12-15 pages) on an approved research topic, due **Friday, April 15** at midnight. An annotated bibliography consisting of at least 10 references being used in your paper is due in class on **Monday, March 21**. Detailed instructions and a list of approved topics for the research paper and annotated bibliography can be found on D2L. *Please do not put your name on your essay, use your UCID number.*

Group Presentation:

Groups consisting of 2-3 students will be asked to lead one class during the semester. Leading class entails presenting the material assigned for that date, either through a PowerPoint presentation or other type of group activity, as well as leading discussion of the readings assigned in the Course Reading List.

Participation:

In addition to completing and understanding the assigned readings, participation in class is a key component in this course. Students are expected to contribute to class discussion and will be evaluated based on both the amount *and* quality of participation. Participation marks are calculated for each class as follows:

- 0 = does not participate
- 1 = minimal participation
- 2 = contributes to discussion
- 3 = insightful questions and contributions to discussion

Late/Missed Assignments:

Students must provide advance notice if unable to complete an assignment by the due date. Requests to submit an assignment after the due date must be accompanied by written documentation, as outlined in the University Calendar.

Grading:

Letter Grade	Percentage Range	Letter Grade	Percentage Range
A+	95 or above	C+	68 – 72.9
A	90 – 94.9	C	64 – 67.9
A-	85 – 89.9	C -	59 – 63.9
B+	81 – 84.9	D+	54 – 58.9
B	77 – 80.9	D	50 – 53.9
B-	73 – 76.9	F	49.9 or below

Course Schedule:

January 11 & 13	Introduction; History of Paleopathology
January 18	Structure and function of bone; Bone response to disease
January 20	Methods in paleopathology: Description and diagnosis
January 25	Theory in paleopathology
January 27	Adaptation & co-evolution of infectious diseases and human populations
February 1 & 3	Diet & disease: Infectious Disease (Journal Article Review Due – Feb 1)
February 8	Academic writing workshop (in class)
February 10	Paleonutrition (Guest lecture: Dr. M. Anne Katzenberg)
February 15 & 17	Reading Week – NO CLASS
February 22 & 24	Diet & disease: Metabolic & endocrine diseases
February 29 & March 2	Congenital disease
March 7 & 9	Dental disease (Journal Article Review #2 Due – March 7)
March 14 & 16	Trauma
March 21 & 23	Joint disease (Annotated Bibliography Due – March 21)
March 28 & 30	Mummy studies
April 4 & 6	Clashes of cultures: The impact of contact on diet & disease
April 11 & 13	Contemporary issues; DNA; Neoplastic disease

Writing Across the Curriculum:

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.

Student Accessibility Services Accommodations:

Student Accommodations. Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodation for Students with Disabilities available at https://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf

It is the responsibility of the student to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at (403)220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. Students are also required to discuss their needs with the instructor no later than fourteen (14) days after the start of the course.

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 detailed information on what constitutes academic misconduct, please refer to the following link: <http://www.ucalgary.ca/pubs/calendar/current/k-2.html>

Freedom of Information and Protection of Privacy Act:

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/registrar/students/psmatters>

Emergency Evacuation Assembly Points: In the event of an emergency that requires evacuation, please refer to the following link to become familiar with the assembly points for the class: <https://www.ucalgary.ca/emergencyplan/home/evacuation-assembly-points/assembly-points>

Safewalk Information: Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day to any location on Campus including the LRT, parking lots, bus zones and University residences. Contact Campus Security at (403) 220-5333 or use a help phone, and Safewalkers or a Campus Security Officer will accompany you to your campus destination.

USRI:

At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference, please participate! Website: <http://www.ucalgary.ca/usri>

Contact Information for Student and Faculty Representation:

Student Union Vice President Academic - Email: suvpaca@ucalgary.ca

Student Union Faculty of Arts Representative - Email: arts1@su.ucalgary.ca

Student Ombuds Office: <http://www.ucalgary.ca/ombuds/contact>